HAYWARD®

We Build Better.®

2026 Buyer's Guide & Parts Price List

Featuring Expert Line® Products

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Pricing effective September 8, 2025. Supersedes all price lists of prior dates. Please see Terms & Conditions of Sale, inside back cover.

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HeatPro® MCHX Series
ColorLogic® Vinyl & Fiberglass Bubbler
ProApp Remote Configuration Tool
TracJet™ Pressure Cleaner
3-Inch Valves
ColorLogic® Landscape Lighting
Sense Chemistry Automation
HCF Commercial Sand Filters
Hayward Commercial Aquatics

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The List Prices shown do not necessarily represent the prices that products are sold for to retail customers.
Abbreviations: FIP – Female Iron Pipe Size; SKT – Socket (Solvent Weld - Female) Connection; MIP – Male Iron Pipe Size; SLIP – Male Pipe Stub (Solvent Weld – Male) Connection

HAYWARD®

We Build Better.®

2026 New Products

Featuring Expert Line® Products

Explore our cutting-edge products, informative articles, and helpful resources—all in one place. Scan the QR code or visit **www.hayward.com** now and experience the Hayward difference firsthand.

EXPERT LINE® | NOT SOLD ONLINE | 3+ YEAR PARTS & LABOR WARRANTIES*

*When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply—visit hayward.com for details.

PROUD AMERICAN COMPANY SINCE 1925

WELCOME TO HAYWARD'S 2026 BUYER'S GUIDE.

Inside these pages, you'll discover what makes a Hayward pool a better pool—where innovation, reliability, and sustainability come together to elevate every aquatic experience.

Our full line of residential and commercial equipment includes energy-efficient pumps, advanced filtration systems, cutting-edge heating technology, cleaners, LED lighting, and water features. They are all designed to deliver you superior performance and long-term value.

And now, you can take control like never before with OmniX®, our all-in-one wireless automation system that brings intelligence and convenience to the aftermarket.

For commercial operations, our flagship products are engineered to help every pool perform at its absolute best. From industry-leading energy efficiency that reduces power consumption and extends equipment life, to intuitive chemistry control and sanitization systems—including salt and UV solutions—Hayward delivers optimal water quality, safety, and peace of mind.

At the heart of our products is a team of passionate professionals dedicated to helping pool pros deliver exceptional environments. Whether you're designing a backyard retreat or managing a large-scale aquatic facility, Hayward provides the technology and support to help you succeed.

With over a century of engineering excellence, Hayward continues to lead the way in pool innovation and smart outdoor living. Every product we offer is backed by our mission: to deliver superior performance, outstanding service, and cutting-edge technology that transforms the experience of water.

NEWEST INNOVATION FOR EXISTING POOLS.

LEARN MORE
OmniX App &
Accessories

OmniX

AUTOMATION FOR THE AFTERMARKET.

OmniX brings seamless wireless automation to existing pools, putting control at your fingertips. Effortlessly manage your pool equipment, set schedules, monitor water temperature, and more—all from your smartphone.

Optional in-home Gateway connects pool equipment to the home network.

Enables away-from-home control and monitoring.

Powerful sub-GHz link provides robust connectivity.

CONTROL IT ALL WITH THE NEW OMNI X APP.

Download on the App Store

GET IT ON Google Play

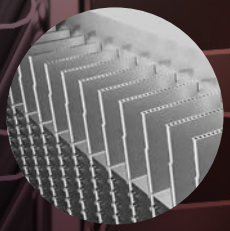
PERFECT DEGREE OF COMFORT.

HEATPRO® MCHX SERIES: HEAT AND HEAT+CHILL PUMPS

Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature.

If you are looking to warm your water to extend swim season, cool your water in warm or arid climate conditions, or chill your water down to 40°F for a cold plunge, we have the ideal lineup including three heat only options and three heat+chill options.

Scan the QR code to learn more about Better Heating



BEST-IN-CLASS CORROSION RESISTANCE.

TCP coating developed by Naval Air Command for durability in the harshest climates.

ROBUST COIL STRUCTURE.

Protects against fin damage during installation and outdoor impacts.

CHILLS DOWN TO 40°F FOR COLD PLUNGES

Chills to low temperatures so you can get all the benefits out of your next cold plunge.*

COOLS FOR PERFECT TEMPERATURE

Ideal for warm or desert climates with 30% increased cooling capacity compared to competitive technology.*

WARMS TO EXTEND SWIM SEASON

Extend swim season with improved heating capacity below 50°F using our patent pending defrost algorithm.

*Only available on Heat+Chill models.

COLORLOGIC® VINYL & FIBERGLASS BUBBLER: BUBBLING WITH FEATURES

ColorLogic Vinyl & Fiberglass Bubbler creates a cascading column of water and ensures the ultimate backyard ambiance when paired with Hayward's ColorLogic lighting. Simple to install with a minimal required foot-print and flush-to-surface design.

» Compatible with Vinyl and Fiberglass applications.
» Seamlessly integrates into the pool floor.
» Multiple nozzles offer easily adjustable water heights and widths.
» Multiple Color Trim Options Available (White, Light Gray & Dark Gray).

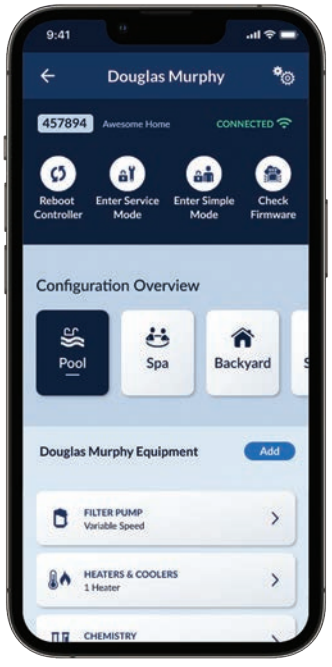
UNLOCK OMNI® FROM ANYWHERE.

Scan the QR code to learn more about Hayward ProApp

PROAPP REMOTE CONFIGURATION TOOL

The ProApp is designed for pool professionals to support remote access to Omni systems. Take back hours each week by configuring controls, creating from saved templates and troubleshooting from **ANYWHERE.**

Long gone are the days of standing outside in the blistering heat to setup Omni Controls at a pool pad. The ProApp gives you the freedom to work from your truck, home, or office. Maximize your response time by servicing additional customers or enjoy more moments with your family. The ProApp is here to help you enhance your business!



Mobile phone not included.

TRACJET™

PRESSURE POOL CLEANER

Powered by your pool's pressure port, the Hayward TracJet is engineered with features that will give your pool an intensive clean. Modernized design constructed with thoughtful updates, bigger tracks and an optimized navigation allow your cleaner to maneuver over tough obstacles in a shorter amount of time.

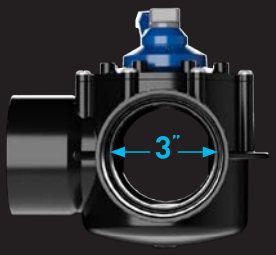
INDUSTRY-FIRST TRUE 3-INCH VALVE.

3-INCH VALVES: 3-WAY, 2-WAY & CHECK VALVES

Introducing the ultimate solution for efficient flow control. Engineered to minimize headloss while delivering impressive flow rates of up to 230 GPM, these valves are designed to set new standards in performance and reliability. This family of diverter valves delivers 3-way, 2-way, and check valve options for flexibility across projects.

- » Robust ergonomically-designed handle with adjustable common with clear closed port indication.
- » Eliminating couplings, it reduces cost along with the number of glue joints for less failure points and a cleaner installation overall.
- » All components are made of corrosion resistant materials allowing for proper function over an extended life.

Industry-first family of 3" diverter valves to cover all of your needs.



Lower Headloss up to 230gpm vs. Jandy at 170gpm*.

Industrial, High-Performance Seal for superior chemical resistance for long-term durability.

Clear Closed Port Indication for easy-to-identify flow management.

*Based on independent third party testing data.

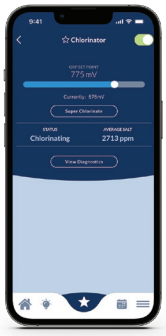
IT'S YOUR LANDSCAPE'S TIME TO SHINE.

COLORLOGIC® LANDSCAPE LIGHTING ENHANCE THE BEAUTY OF ANY OUTDOOR SPACE

Select Bullet and Pathway Landscape Lighting now features Hayward's advanced ColorLogic technology, delivering vivid, energy-efficient illumination to any outdoor space. Powered by 5-in-1 software, these fixtures seamlessly integrate with Hayward OmniDirect™ as well as other competitive control systems, offering unmatched flexibility. Highlight your best features and expand beyond the pool with ColorLogic Landscape lighting.

SENSE
CHEMISTRY AUTOMATION

Maintaining proper water chemistry is essential to the longevity of your pool and equipment. Hayward Sense delivers continuous, real-time monitoring of pH and ORP levels, intelligently adjusting your salt system and pH dispense to maintain optimal conditions.



SENSE AND OMNI® HAVE GREAT CHEMISTRY.

Sense connects seamlessly to Hayward automation systems like Omni allowing homeowners to monitor chlorine levels right from the palm of their hand. For pool professionals using the Hayward Pro App, Sense delivers real-time water chemistry insights through one centralized dashboard to streamline setup, monitoring and service.

Mobile phone not included.

BOBBIN WOUND

LAMINATED

HCF COMMERCIAL SAND FILTERS: HIGH-PERFORMANCE FILTRATION ENGINEERED TO STAND THE TEST OF TIME.

Built for efficiency and durability, our commercial sand filters are available in two finishes and seven different sizes.

Laminated Sand Filters are available in 30-, 34- and 36-inch options and feature UV-protected gel coat. Bobbin Wound Sand Filters are available in 42-, 48-, 55- and 63-inch options and are manufactured from heavy-duty filament wound fiberglass. Hayward commercial filters are backed by a powerful 5-year warranty.

INNOVATION MADE EASY.

Hayward Commercial Aquatics offers a full range of industry-leading innovative products designed to work together as one total system to help every commercial pool perform at its absolute best. Our products set the technological standard while providing unmatched performance, efficiency, reliability, versatility and ease of operation.

To see our innovation in action, look no further than the superior energy efficiency of a number of our flagship products that reduces power consumption, extend operational lifespan and delivers significant savings for your commercial operation. Or, consider our leading chemistry control and sanitization systems with intuitive salt and UV secondary and supplemental sanitization solutions that provide optimal water quality and safety for pools of all shapes and sizes—and optimal peace of mind for those who manage them.

Our innovative products are delivered to you with speed and ease, backed by industry leading warranties and a top-tier support team. Our Commercial Aquatics team is dedicated to providing builders, servicers and pool designers with the tools and personalized support they need to stay at the forefront of commercial pool technology.

INDUSTRY'S MOST ADVANCED AUTOMATED WATER QUALITY SOLUTION.

The absolute best water quality solution is the combination of the HydroRite® UV, the Saline C® series salt chlorine generator and the CAT 5500® controller. The combination will not only provide the most efficient, cleanest and safest pool water, it will reduce operational costs and make operating a commercial pool as maintenance free as possible.

HYDRORITE® UV

+

SALINE C® 2.0

+

CAT 5500®

BUILDING BETTER SINCE 1925.

» hayward.com » 1-800-HAYWARD

Pumps » Filters » Heaters » Sanitization » Automation » Lighting » Water Features » Cleaners » White Goods

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HAYWARD®
We Build Better.®

2026 FINISHED GOODS

FINISHED GOODS + TECHNICAL INFORMATION

FLEXES BETTER.

The TriStar® XL is a game changer for large residential pools, feature-rich pools or complex pool pad configurations. Engineered for performance and versatility, the TriStar XL delivers increased flow from extra-large 2.5" × 3"unions, the removable strainer housing allows for more adaptable pump configurations, and the oversized strainer basket reduces cleaning and maintenance.

POWERFUL DESIGN. VERSATILE PERFORMANCE.

TRISTAR XL® HIGH PERFORMANCE
VARIABLE-SPEED PUMP

ENERGY STAR

HIGHEST IN CLASS WEF

Scan QR code to learn more.

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We Build Better.®

UPCOMING DOE REGULATORY CHANGES – "MOTOR RULE"(2025/2027) FAQs FOR POOL PROFESSIONALS

Q: WHAT IS THE DEDICATED PURPOSE POOL PUMP MOTOR RULE (DPPPM)?

A: The DPPPM rule, which was published in September 2023, is an upcoming Department of Energy regulation that applies to dedicated pool pump motors which specifies performance and/or design requirements based on Total Horsepower (THP) thresholds.

Q: DOES THE DPPPM RULE JUST AFFECT SPARE MOTORS OR DOES IT AFFECT COMPLETE PUMP ASSEMBLIES TOO?

A: The DPPPM Rule affects BOTH spare motors AND complete pumps.

Q: WHAT ARE THE TOTAL HORSEPOWER THRESHOLDS AND DESIGN REQUIREMENTS?

A: The DOE DPPPM Rule defines the requirements for the following THP classes:

Motor THP	Design Requirement
THP less than 0.5	69% Full-load efficiency (single or variable speed)
0.5 ⩽ THP < 1.15	Must have variable speed motor control
1.15 ⩽ THP ⩽ 5	Must have variable speed motor control

Q: WHEN DOES THIS NEW DPPP MOTOR RULE TAKE EFFECT?

A: The new rule takes effect in two phases based on THP:

DOE DPPPM Phase	Motor THP	DOE DPPPM Effectivity Date
Phase 1	THP less than 0.5 1.15 ⩽ THP ⩽ 5	September 29, 2025
Phase 2	0.5 ⩽ THP < 1.15	September 28, 2027

Q: CAN I SELL AND/OR INSTALL PUMPS AND MOTORS AFTER THE EFFECTIVE DATE IF THEY WERE MANUFACTURED BEFORE IT?

A: Yes, the new DOE regulations only affect products **manufactured** on or after the effective dates (September 29, 2025/September 28, 2027). Pool builders, pool servicers and pool stores may still sell and install pumps and motors which do not meet the new rule as long as they were manufactured prior to the effective date.

Q: WHAT ABOUT PUMPS AND MOTORS I HAVE PREVIOUSLY SOLD OR INSTALLED?

A: Previously sold or installed pumps and motors are not subject to the new DOE regulations. Equipment already in service does not need to be replaced to meet the new rule.

Q: WHAT ELSE DO I NEED TO KNOW ABOUT THE NEW DOE REGULATIONS?

A: While non-compliant pumps or motors can no longer be manufactured after their respective effectivity dates, there are already plenty of compliant models that ensure you can continue business as usual:

- All Hayward Variable Speed and XE Ultra-High Efficiency pumps are **compliant beyond 2027**
  - Includes all VS & XE power-ends which can be used to replace worn out single-speed motors
- Many Hayward high efficiency single-speed pumps are **still compliant though September 28th, 2027**:
  - 1.1 THP and smaller Hayward Super Pump® models
  - 1.1 THP and smaller Hayward MaxFlo® XL models
  - 1.1 THP TriStar®
  - Most above-ground pumps and pressure cleaner booster pumps will remain single-speed

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HAYWARD®

GUIDE TO NON DOE-COMPLIANT PUMPS AND RECOMMENDED REPLACEMENT PUMPS

EFFECTIVE JULY 19, 2021

The U.S. Department of Energy (DOE) has developed new energy-efficiency standards for pool pumps manufactured on or after July 19, 2021. For more information, visit hayward.com/regulations. Below is a list of SKUs that will not meet the DOE requirements and their recommended replacement. Recommendations are based on the closest match of performance (flow) where possible and may not match exactly.*

NON DOE-COMPLIANT PUMPS		RECOMMENDED DOE-COMPLIANT REPLACEMENTS	
PUMP NAME	NON COMPLIANT SKU	COMPLIANT SKU	PUMP NAME
MaxFlo® XL	SP2310X15	VSP23415	MaxFlo® VS 400 Series
	SP2310X152		
	SP2315X20	VSP23420	
	SP2315X202		
Super Pump®	SP2610X15	VSP26615	Super Pump® VS 600 Series
	SP2610X152S		
	SP2670010X15		
	SP2615X20	VSP26620	
	SP2615X202S		
	SP2621X25		
Super II	SP3005X7AZ	SP3200X10	TriStar®
	SP3007EECA		
	SP3007X10AZ		
	SP3007X10AZ2		
	SP3010EEAZ	VSP32810	TriStar® VS 800 Series
	SP3010X152AZ		
	SP3010X15AZ		
	SP3015EEAZ	VSP32815	
	SP3015X202AZ		
	SP3015X20AZ		
	SP3020EEAZ	VSP32820	
	SP3020X25AZ		
	SP3025EEAZ	SP32950VSP	TriStar® VS
	SP3025X30AZ		
TriStar®	SP3205X7	SP3200X10	TriStar®
	SP3207EE	VSP32810	TriStar® VS 800 Series
	SP3207X10		
	SP32102EE	VSP32815	
	SP3210EE		
	SP3210X15		
	SP3210X152		
	SP32152EE	VSP32820	
	SP3215EE		
	SP3215X20		
	SP3215X202		
	SP32202EE	SP32950VSP	TriStar® VS
	SP3220EE		
	SP3220X25		
	SP3220X252		
	SP3225X30	SP3250EE	TriStar®
	SP3230EE		

*List subject to change. All models may not be listed.
For more information, contact your Hayward sales rep.

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Powerful Design. Versatile Performance. The TriStar XL is a game changer for large residential pools, feature-rich pools or complex pool pad configurations. Engineered for performance and versatility, the TriStar XL delivers increased flow from extra-large 3" unions, the removable strainer housing allows for more adaptable pump configurations, and the oversized strainer basket reduces cleaning and maintenance.

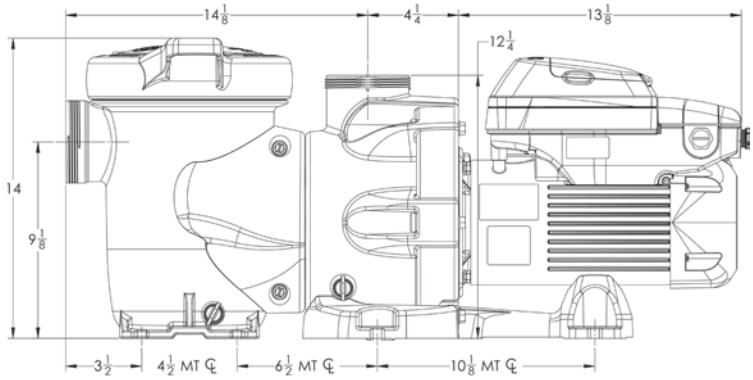
Features and Benefits

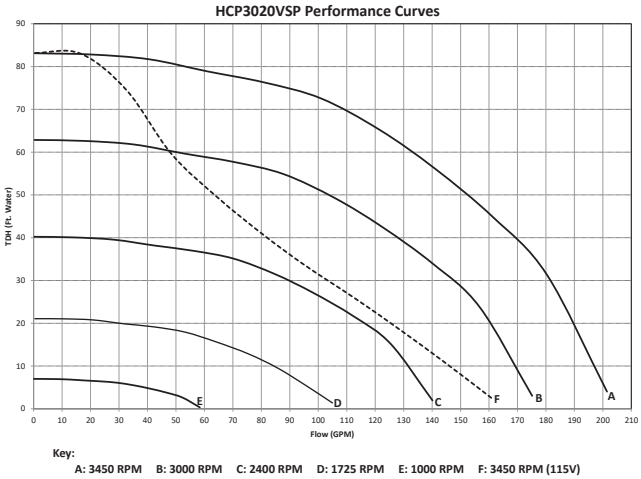
- Versatile strainer housing and motor can be plumbed separate for complex pool pad configurations (Flange Kit sold separately)
- Removable, oversized strainer basket for reduced cleaning and maintenance
- Increased flow from included 3"unions
- 2.5"x 3"unions for easy drop-in replacement
- WEF 9.9 rating that blows the competition out of the water
- Easy pump control from digital touchscreen interface
- Remote pump control with Omni® automation to manage speed, scheduling and more
- Digital control interface that can be rotated or wall-mounted
- Totally enclosed fan-cooled (TEFC) motor maximizes energy efficiency
- Chemical-resistant Viton® seal for long-term durability
- ENERGY STAR approved – may be eligible for local utility rebates
- 4-year warranty

ENERGY STAR

HCP3020VSP

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
HCP3020VSP	Yes	TEFC	10.2 / 12.2	2-1/2"x 3" Union	2.7	230/115	7.2 / 10.0	75

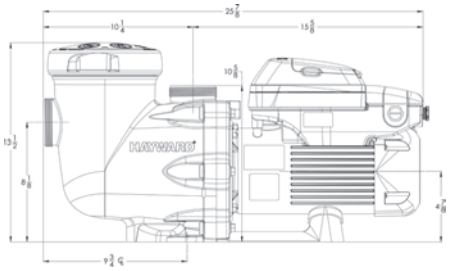
For replacement parts see page 297.

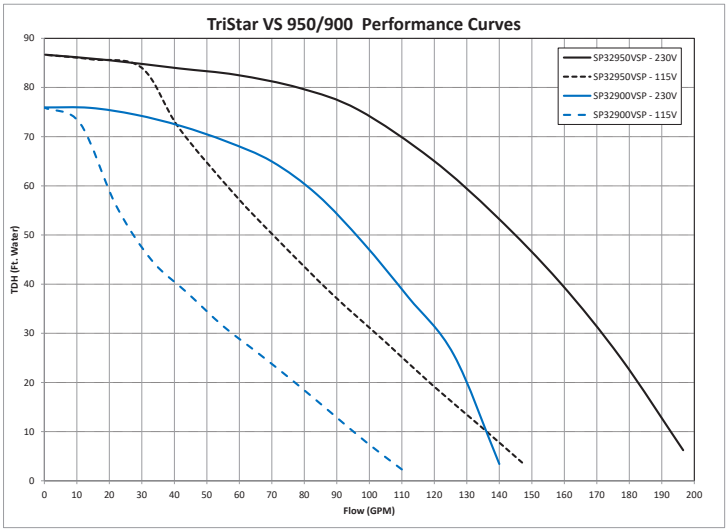
TriStar® VS 900/950

HL32900VSP

Hayward® TriStar VS ultra-high efficiency pool pumps are the most efficient pumps in their class. The 900 and 950 models go even further, offering unique features such as a Viton® pump seal and extended warranties. Tests prove they can save pool owners up to 90% on energy costs compared to single-speed pumps. **Hayward® TriStar VS ultra-high efficiency pool pumps are the most efficient pumps in their class. The 900 and 950 models go even further, offering unique features such as a Viton® pump seal and extended warranties. Tests prove they can save pool owners up to 90% on energy costs compared to single-speed pumps.** **TriStar VS 900 & 950 can be purchased as stand alone pumps or bundled with a Hayward OmniHub controller, see below for model numbers.**

Overall Dimensions (inches)





Features and Benefits

- Extended-life Viton pump seal for improved resistance against chemical imbalances
- Best-in-class energy efficiency via industry leading hydraulic design plus super-efficient permanent magnet motor saves up to $1,500* in energy costs year after year
- Easily installed in all applications: in standalone mode, with Hayward automation systems or with competitors' systems via relay control
- Fully programmable and rotatable digital interface with up to 8 custom timer functions
- Second base included to align with Pentair® WhisperFlo® for simple retrofit upgrades
- A separate base is also available (SPX3200SR) to align with Sta-Rite®, Max-E-Pro®, Max-E-Glas® or Dura-Glas®
- Speed Range: 600-3450 RPM

NOTE: *Savings compared to a single speed pump running 12 hours per day, on a 20,000 gallon pool, at an average electrical rate of $0.15/kWh. Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
HL32900VSP	Yes	TEFC	7.4 / 7.2	2"x 2-1/2" Union	1.85	230/115	8.3 / 12.9	62
HL32950VSP	Yes	TEFC	10.2 / 12.2	2"x 2-1/2" Union	2.7	230/115	7.3 / 10.1	77
SP32900VSP	Yes	TEFC	7.4 / 7.2	2"x 2-1/2" Union	1.85	230/115	8.3 / 12.9	56
SP32950VSP	Yes	TEFC	10.2 / 12.2	2"x 2-1/2" Union	2.7	230/115	7.3 / 10.1	62

For replacement parts see page 298.

TriStar® VS 800 Series with OmniX®

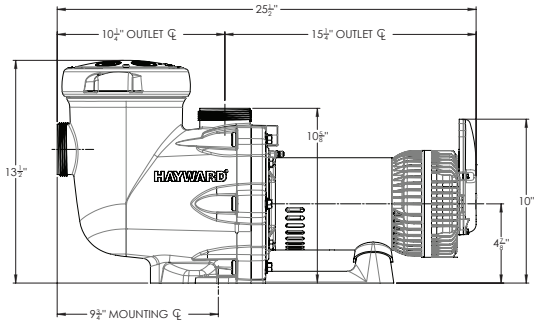
Hayward continues its position as the industry-leader in innovation with the introduction of the Hayward 800, 600, and 400 VS Series pumps with on-board automation using the all new Hayward OmniX mobile app. This lineup is the best drop-in replacement with an elevated experience through improved feature set and usability.

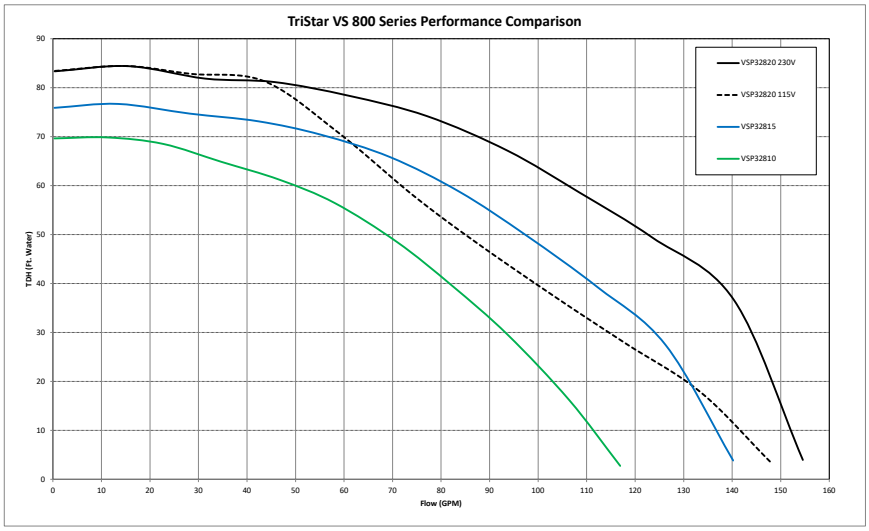
Features and Benefits

- Simple and intuitive wireless connectivity for complete control
- Fully configurable including time-of-day based schedules, true variable speed operation, and water temperature monitoring
- Control from anywhere when used with the optional OmniX Gateway accessory (sold separately)
- OmniX equipment ecosystem connects compatible devices seamlessly without a centralized controller
- Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- Backed by a 3-year warranty
- Agency listings include: ENERGY STAR, Department of Energy, NSF and UL

VSP32810

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
VSP32810	Yes	ODP	8.7 / 15.2	2"x 2-1/2" Union	1.25	230/115	9.1 / 9.1	41
VSP32815	Yes	ODP	10.9 / 19.9	2"x 2-1/2" Union	1.85	230/115	8.5 / 8.5	41
VSP32820	Yes	ODP	14.2 / 19.9	2"x 2-1/2" Union	2.25	230/115	9.0 / 7.4	41

For replacement parts see page 301.

TriStar®

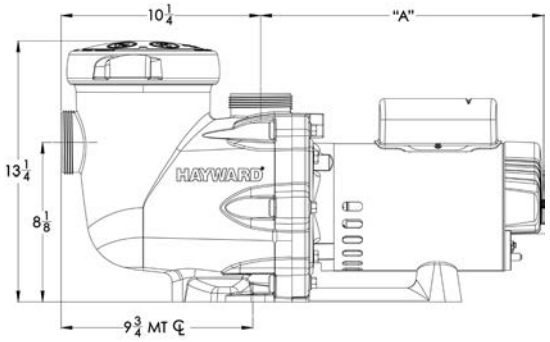
SP3200X10

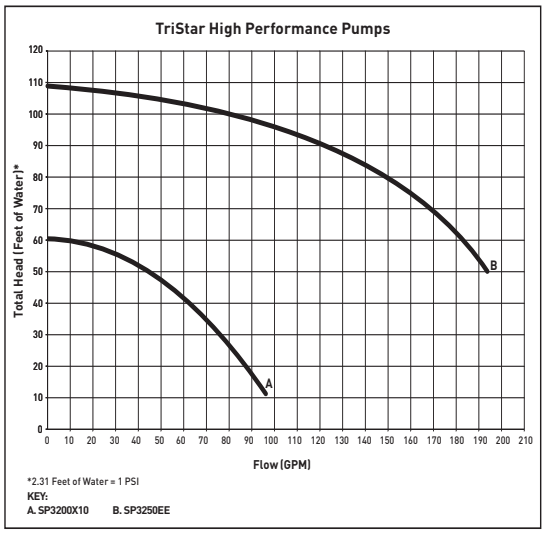
The TriStar Pump from Hayward® features the industry's most energy efficient hydraulics. Easy to install, service and maintain, TriStar outperforms the competition when it comes to flow, efficiency and value. It's the first to feature a large, no-rib strainer basket design that's quick and easy to clean.

Features and Benefits

- Higher flow rates can allow for stepping down in pump horsepower compared to less efficient pump models
- 2"x 2 1/2"union connections make installation and servicing fast and easy
- No-rib basket design insures easy debris removal. Extra leaf-holding capacity extends time between cleanings
- Pressure testable to 50 psi maximum
- Self-priming up to 10' above water level

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
SP3200X10	Yes	ODP	6.5-6.0 / 12	2"x 2-1/2" Union	1.1	208-230/115	4.0	48
SP3250EE	N/A	ODP	23.2 - 21.8	2"x 2-1/2" Union	5.1	208/230	1.7	67

For replacement parts see pages 302–303.

Super Pump® VS 700

Super Pump® VS 700 is a simple drop-in upgrade for Super Pump single-speed pumps up to 1.5 HP. Built with dual voltage capability, it offers the savings of a VS pump without requiring costly rewiring. Built with a chemical-resistant Viton® seal and accompanied by a 3-year extended warranty, Super Pump VS 700 offers powerful protection for years of reliable performance.

Hayward® VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control.

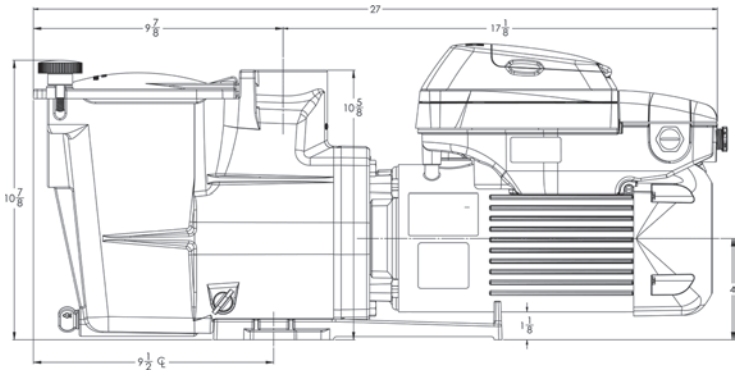
Features and Benefits

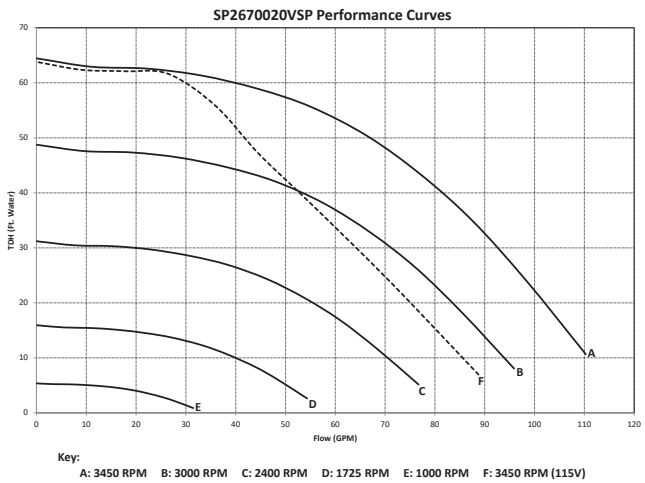
- Delivers up to 80% energy savings*
- Fast and easy installation for both existing and new pools
- Dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton seal enhances durability in all environments
- VS Omni model provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options
- Speed Range: 600-3450 RPM

NOTE: *Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

HL2670020VSP

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
HL2670020VSP	Yes	TEFC	6.5 / 7.2	2" NPT(F)	1.65	230/115	8.6 / 11.7	62
SP2670020VSP	Yes	TEFC	6.5 / 7.2	2" NPT(F)	1.65	230/115	8.6 / 11.7	56

For replacement parts see pages 305.

Super Pump® VS 600 Series with OmniX®

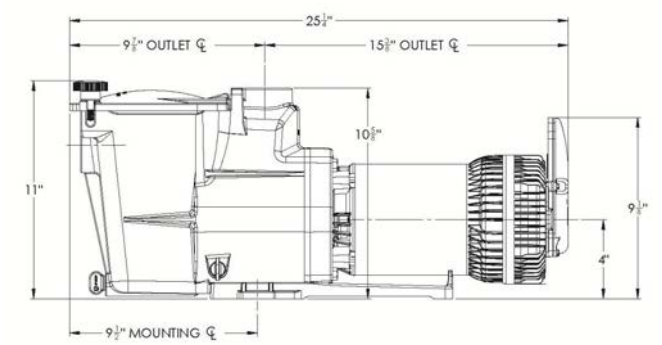
VSP26615

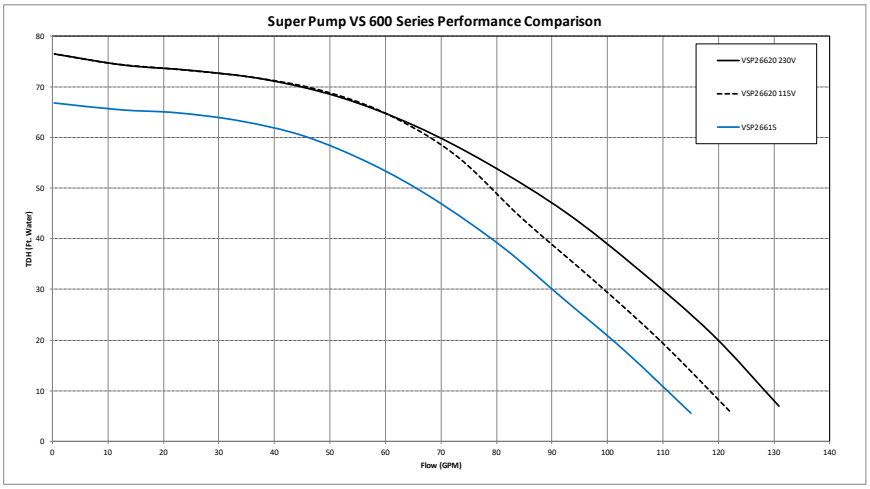
Hayward continues its position as the industry-leader in innovation with the introduction of the Hayward 800, 600, and 400 VS Series pumps with on-board automation using the all new Hayward OmniX mobile app. This lineup is the best drop-in replacement with an elevated experience through improved feature set and usability.

Features and Benefits

- Simple and intuitive wireless connectivity for complete control
- Fully configurable including time-of-day based schedules, true variable speed operation, and water temperature monitoring
- Control from anywhere when used with the optional OmniX Gateway accessory (sold separately)
- OmniX equipment ecosystem connects compatible devices seamlessly without a centralized controller
- Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- Backed by Hayward's 3-year warranty
- Agency listings include: Department of Energy, NSF and UL

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
VSP26615	Yes	ODP	10 / 19.9	2" NPT(F)	1.65	230/115	8.5 / 8.5	34
VSP26620	Yes	ODP	14.2 / 19.9	2" NPT(F)	2.25	230/115	7.7 / 7.7	34

For replacement parts see page 306.

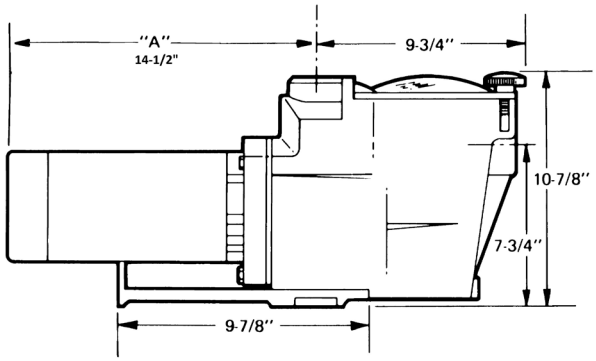
The Super Pump has all the quality features you expect from Hayward® – Efficient, Dependable and Proven. For aftermarket and new pool installations, the Super Pump sets the standard of excellence and value.

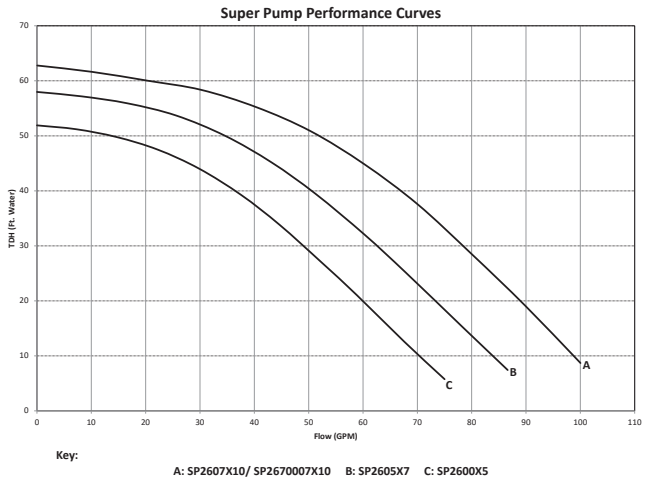
Features and Benefits

- Heavy-duty, high-performance motor for quieter, cooler operation
- Exclusive swing-away hand knobs for easier strainer cover removal: no tools required, no loose parts, no clamps
- 110-cubic-inch basket has extra leaf-holding capacity; load-extender ribbing ensures free flowing operation
- See-through strainer cover lets you see when the basket needs to be cleaned

SP2605X7

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
SP2605X7	Yes	ODP	4.3-4.2 / 8.4	2" NPT(F)	0.85	208-230/115	3.9	32
SP2607X10	Yes	ODP	5.6-5.1 / 10.2	2" NPT(F)	1.1	208-230/115	3.4	36

For replacement parts see pages 307–308.

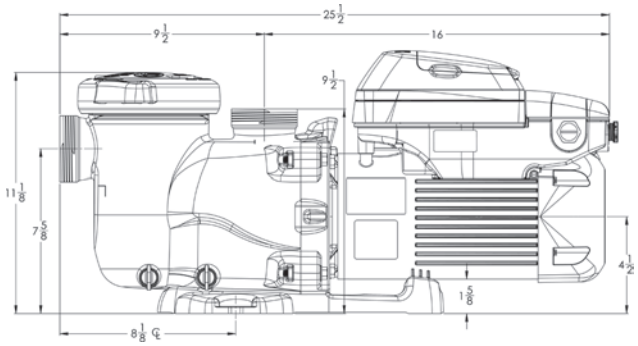
MaxFlo® VS 500

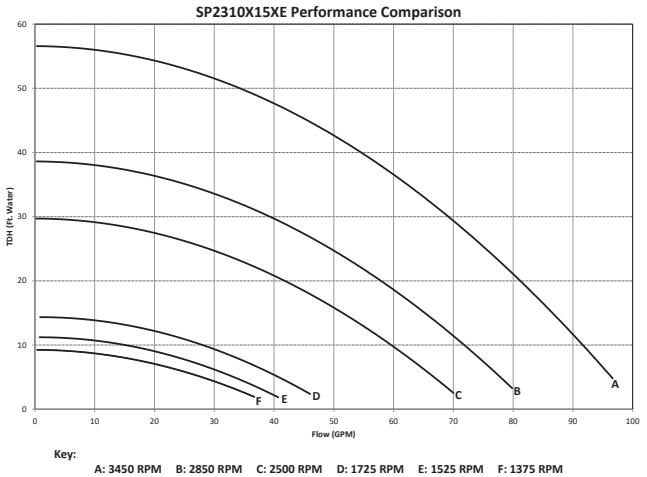
MaxFlo VS 500 is a simple drop-in upgrade for MaxFlo models up to 1.5 H.P. It features an upgraded dual voltage motor drive that delivers significantly quieter high-speed operation while maintaining optimal operating efficiency with increased reliability and product longevity. Also, a Viton® seal for long-lasting performance.

Hayward® VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control.

HL2350020VSP

Overall Dimensions (inches)





Features and Benefits

- Delivers up to 80% energy savings*
- Dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton seal enhances durability in all environments
- VS Omni model provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options
- Speed Range: 600-3450 RPM

NOTE: *Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
HL2350020VSP	Yes	TEFC	6.5 / 7.2	1-1/2"x 2" Union	1.65	230/115	10.2 /10.7	63
SP23520VSP	Yes	TEFC	6.5 / 7.2	1-1/2"x 2" Union	1.65	230/115	10.2 /10.7	51

For replacement parts see page 309.

MaxFlo® VS 400 Series with OmniX®

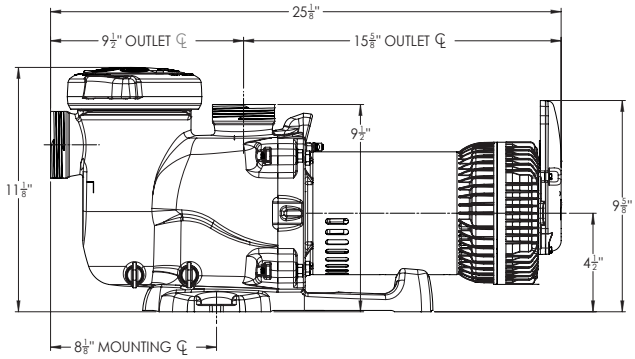
Hayward continues its position as the industry-leader in innovation with the introduction of the Hayward 800, 600, and 400 VS Series pumps with on-board automation using the all new Hayward OmniX mobile app. This lineup is the best drop-in replacement with an elevated experience through improved feature set and usability.

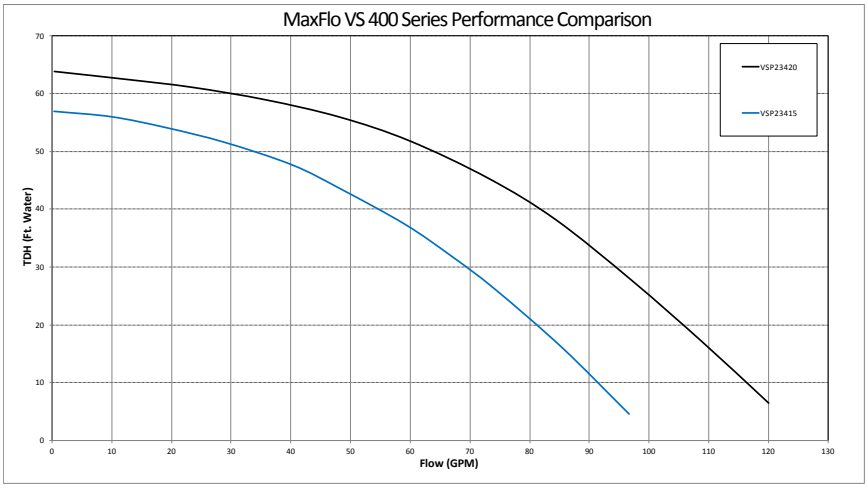
Features and Benefits

- Simple and intuitive wireless connectivity for complete control
- Fully configurable including time-of-day based schedules, true variable speed operation, and water temperature monitoring
- Control from anywhere when used with the optional OmniX Gateway accessory (sold separately)
- OmniX equipment ecosystem connects compatible devices seamlessly without a centralized controller
- Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- Backed by Hayward's 3-year warranty
- Agency listings include: Department of Energy, NSF and UL

VSP23415

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
VSP23415	Yes	ODP	10 / 19.9	1-1/2"x 2" Union	1.65	230/115	9.6 / 9.6	34
VSP23420	Yes	ODP	14.2 / 19.9	1-1/2"x 2" Union	2.25	230/115	8.6 / 8.6	34

For replacement parts see page 311.

MaxFlo® XL

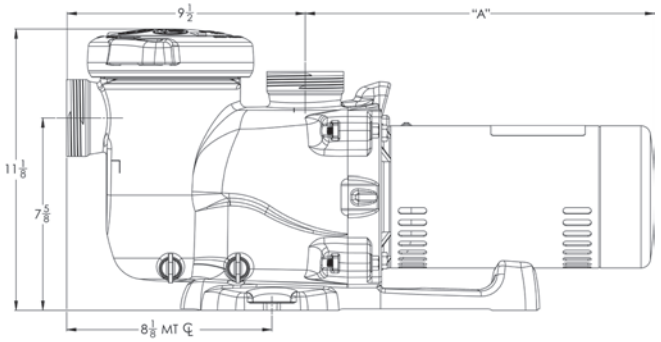
SP2305X7

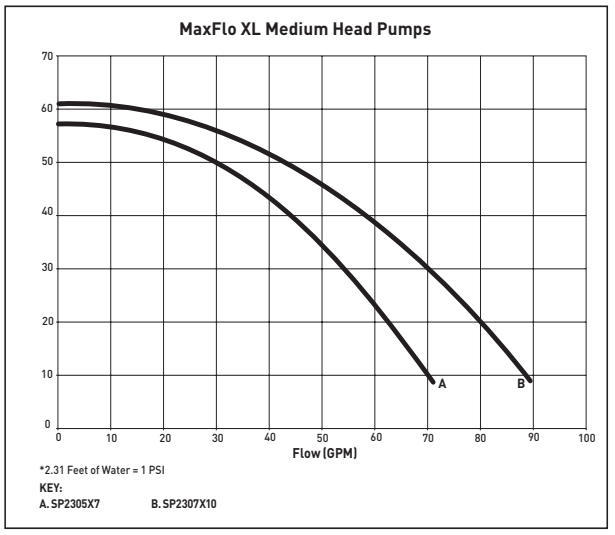
MaxFlo XL is the most energy efficient pump in its class, combining incredible economy and performance. MaxFlo XL physically aligns with the entire MaxFlo family of pumps for seamless retrofit installations. Features such as union connections and a high efficiency hydraulic design make MaxFlo XL an outstanding choice for both new pool and aftermarket installations.

Features and Benefits

- Superior pump efficiency meets Department of Energy (DOE) regulations
- Advanced hydraulics for increased energy efficiency and priming ability
- Heavy-duty motor provides performance you can trust
- Easy 4-bolt access makes servicing simple
- Clear strainer cover seals with less than a ¼ turn and lets you see when the basket needs cleaning
- 1½"x 2"union connections in all models
- Optional riser base (SPX2300GR) provides alignment with Sta-Rite® Dyna-Pro®

Overall Dimensions (inches)





Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
SP2305X7	Yes	ODP	6.0-5.0 / 10	1-1/2"x 2" Union	0.95	115/208-230	4.3	32.5
SP2307X10	Yes	ODP	6.9-6.8 / 13.3	1-1/2"x 2" Union	1.25	115/208-230	3.8	37

For replacement parts see page 312.

Booster Pump

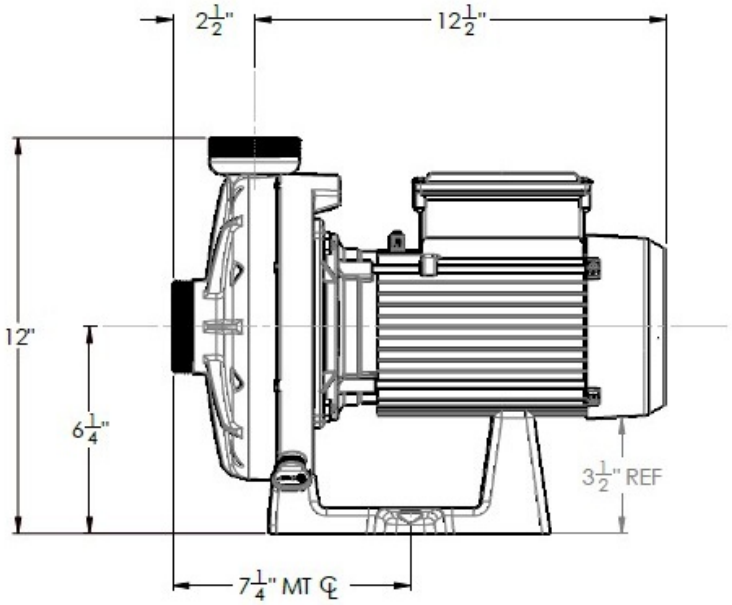
Engineered to provide the same quiet operation and reduced electricity requirements as our standard Booster Pump, the Booster Pump 300 also comes with a totally enclosed fan-cooled (TEFC) motor, hose kit, and a 2-year extended warranty for increased peace of mind.

Features and Benefits

- Suitable for all pressure cleaners requiring a booster pump
- TEFC motor delivers added reliability and easily accessible top-mount wiring compartment
- 3/4"retrofit hose kit included
- 3/4"hose barb union adapters allow for easy retrofit to existing installations using flexible hose for booster pump connections
- 1 1/2"plumbing union fittings improve performance and allows easy installation and removal

HSP30060

Overall Dimensions (inches)



Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
HSP30060	Yes	TEFC	5.2 / 10.0	1-1/2" Socket	1.1	208-230/115	0.6	31

For replacement parts see page 316.

PowerFlo® Matrix

UL LISTED

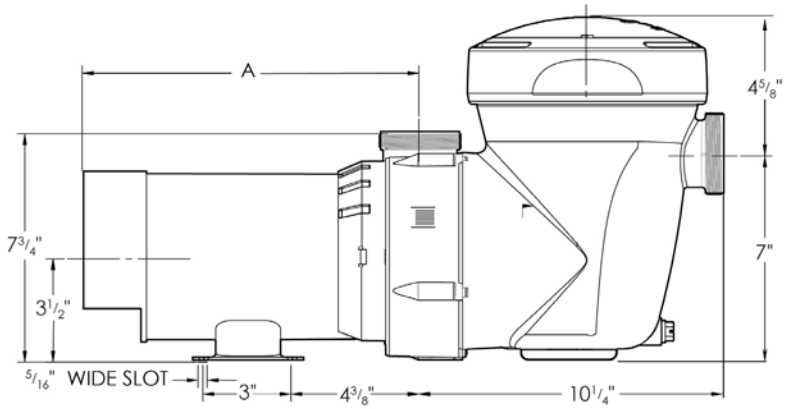
SP1592

The PowerFlo Matrix has been engineered as a uniquely superior above-ground pool pump. With a single push of a button, this truly versatile pump changes from a vertical to a horizontal discharge and back again. Its large profile and integrated styling makes the PowerFlo Matrix an above-ground pool pump like no other.

Features and Benefits

- On/Off switch
- Massive size strainer basket for large debris collection with minimal maintenance
- Simply converts from vertical to horizontal discharge orientation with the press of a button
- Quick disconnect intake and discharge pipe connection
- C-Clip Connector allows for easy disengagement of strainer housing in a matter of seconds for hassle-free maintenance
- High flow impeller with wide openings to prevent clogging by leaves and debris
- Integral drain plug for easy winterization of pump

Overall Dimensions (inches)



Performance Data

Model Number	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	10 ft	20 ft	30 ft	40 ft	50 ft	30 ft
SP1592	86	86	75	58	27	—
SP1593	91	91	80	62	32	—

Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
SP1592	Yes	ODP	12.0	1-1/2" NPT(F)	0.85	115	3.4	26
SP15922S	Yes	ODP	2.9 / 11.0	1-1/2" NPT(F)	0.85	115	5.7	32
SP1592TL	Yes	ODP	12.0	1-1/2" NPT(F)	0.85	115	3.4	27
SP1593	Yes	ODP	15.0	1-1/2" NPT(F)	1.1	115	3.5	31
SP15932S	Yes	ODP	2.9 / 11.0	1-1/2" NPT(F)	1.1	115	5.7	32
SP1593TL	Yes	ODP	15.0	1-1/2" NPT(F)	1.1	115	3.5	32

For replacement parts see page 317.

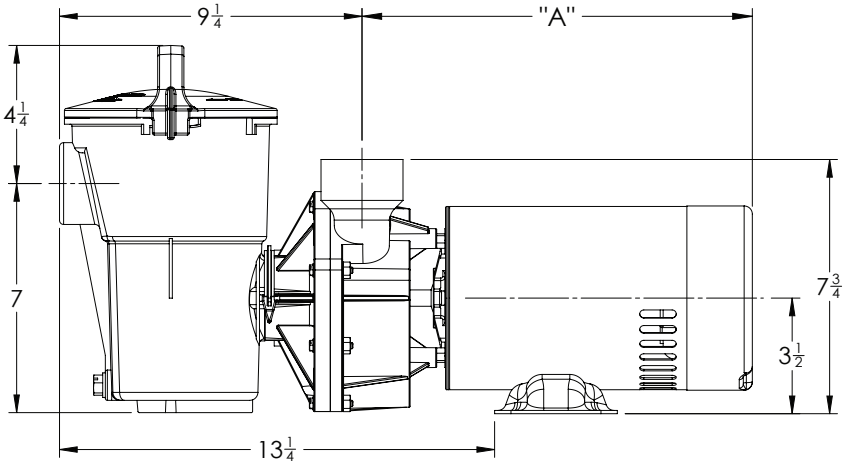
The PowerFlo LX pump series is designed for the rigors of above-ground and on-ground type swimming pools. Combining durable construction with advanced features and with proven features, PowerFlo LX sets the standard for value and performance.

Features and Benefits

- Durable housing for all-weather performance and quiet operation
- Clear cover lets you see when basket needs cleaning
- Drain plug for easy maintenance of pump
- On certain SKUs, the Side discharge allows for mounting in tighter areas

SP1580

Overall Dimensions (inches)



Performance Data

Model Number	Pump Output (GPM) vs. Total Resistance To Flow (Feet of Head)				
	10 ft	20 ft	30 ft	40 ft	50 ft
SP1580	86	86	75	58	27
SP1580X15	91	91	80	62	32

Specifications

SKU	DOE Compliant	Motor Type	Amp Rating	Plumbing Connection	Total HP	Voltage at 60 Hz	WEF	Ctn. Weight (lbs.)
SP1580	Yes	ODP	11.0	1-1/2" NPT(F)	0.85	115	3.8	23
SP1580H	Yes	ODP	11.0	1-1/2" NPT(F)	0.85	115	3.8	23
SP1580X15	Yes	ODP	12.0	1-1/2" NPT(F)	1.1	115	3.9	25
SP1580X15HTL	Yes	ODP	12.0	1-1/2" NPT(F)	1.1	115	3.9	25
SP1580X15TL	Yes	ODP	12.0	1-1/2" NPT(F)	1.1	115	3.9	25

For replacement parts see page 318.

Hydraulics

THE BASICS OF PUMP/FILTER SIZING

Hydraulics is the study and understanding of the behavior of liquids at rest and in motion. We are concerned with *water,* and the following characteristics of our application:

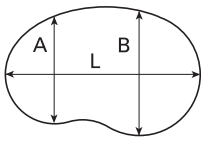
1. How much water do we have (Pool Capacity)?
2. How fast can we safely move the water (Turnover Rate and Water Velocity)?
3. How much resistance will this water meet while moving through the system (Friction Loss)?
4. How will we overcome this resistance (Pump/Filter Sizing)?

Following are step-by-step instructions to answer these four questions and ultimately determine the proper size pump or filter for virtually any installation. Below each step is a calculation based on the following example: 16 ft by 32 ft rectangular pool, 3 ft to 8 ft deep, 2"suction side and return side plumbing. Existing 1 H.P. pump; filter gauge reads 10 PSI (clean).

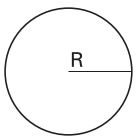
1. Pool Capacity

To determine total gallons, we must first calculate the surface area of the pool in square feet:

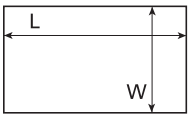
1A. Surface Area



Area = (A+B)x L x .45



Area = R x R x 3.14



Area = L x W

_____ ft^2
(surface area)

Surface Area: 16 ft × 32 ft = 512 ft^2

Next, multiply the surface area by the average *depth* to determine the appropriate *volume* of the pool.

1B. Average Depth

(_____ ft + _____ ft) ÷ 2 = _____ ft
(depth, shallow end) (depth, deep end) (average depth)

Average Depth = (3 ft + 8 ft) ÷ 2 = 5.5 ft

1C. Volume

_____ ft^2 × _____ ft = _____ ft^3
(surface area) (average depth) (volume)

Volume = 512 ft^2 × 5.5 ft = 2,816 ft^3

Next, multiply the pool's volume in ft^3 by 7.5 to get the pool capacity in gallons:

1D. Pool Capacity

_____ ft^3 × 7.5 gallons/ft^3 = _____ gallons
(volume) (pool capacity)

Pool Capacity = 2,816 ft^3 × 7.5 gallons/ft^3 = 21,120 gallons

Some of the more common pool sizes are:

Above-Ground Size	Gallons*
15 ft Round	5,293
18 ft Round	7,622
21 ft Round	10,374
24 ft Round	13,550
12 ft × 24 ft Rectangle	8,626
27 ft Round	17,149
*Average Depth: 4 ft	

In-Ground Size	Gallons*
12 ft × 24 ft Rectangle	11,861
16 ft × 32 ft Rectangle	21,086
18 ft × 36 ft Rectangle	26,687
20 ft × 40 ft Rectangle	32,947
*Average Depth: 5.5 ft	

2. Flow Rate

While the actual flow rate of a pump is based on the total resistance of the system as described below, the desired flow rate must be calculated to verify it will satisfy Turnover Rate and Water Velocity requirements.

2A. Turnover Rate

The turnover rate for a swimming pool is the amount of time required to circulate the entire volume of water through the system once to meet reasonably clean, safe water standards. Check with local regulations for the minimum required turnover rate.

Based on the pool's capacity and the desired turnover rate, the *minimum* rate at which the water must be circulated in Gallons Per Minute (GPM) is calculated as follows:

A. Minimum Flow in Gallons per Hour (GPH)

_____ gallons ÷ _____ hours = _____ GPH
(pool capacity) (desired turnover rate) (minimum flow, gallons per hour)

Minimum Flow: 21,120 gallons ÷ 10 hours (assumed) = 2,112 gallons per hour

B. Minimum Flow in Gallons per Minute (GPM)

_____ gallons per hour ÷ 60 minutes per hour = _____gpm
(minimum flow, gallons per hour) (minimum flow, gallons per minute)

Minimum Flow: 2,112 gallons per hour ÷ 60 minutes per hour = 35 gallons per minute

2B. Water Velocity

The *maximum* recommended water velocity is six (6) or eight (8) feet per second for suction lines and ten (10) feet per second for return lines. Check with local regulations for the maximum water velocity for suction and return lines. The table below lists the maximum flow ingpm based on plumbing size and water velocity.

Pipe Size	Maximum Flow		
	6.0 ft/sec	8.0 ft/sec	10.0 ft/sec
1 ½"	38gpm	51gpm	63gpm
2"	63gpm	84gpm	105gpm
2 ½"	90gpm	119gpm	149gpm
3"	138gpm	184gpm	230gpm

Maximum Flow: 2"suction side plumbing at 6.0 ft/sec = 63 gallons per minute

2C. Desired Flow

The desired flow rate must be between the minimum flow based on the Turnover Rate and the maximum flow based on the Water Velocity. Note that if higher flow rates are needed, such as for water features, the maximum possible flow would have to be increased by using larger size plumbing (e.g. increase from 2"to 2 ½"plumbing). The use of branch (parallel) plumbing can also be used to reduce the flow and therefore plumbing size. Check with local regulations for proper plumbing sizing.

It is recommended to select a flow that is higher than the minimum to account for decrease in flow that naturally occurs as the filter is loaded with dirt and debris.

Minimum Flow (Turnover Rate): 35gpm

Maximum Flow (Water Velocity): 63gpm

Desired Flow: 50gpm

3. Friction Loss (Head Loss)

Everything that the water must pass through within the circulation system — plumbing and equipment — creates resistance or Friction Loss (also referred to as Head Loss). The friction loss for standard plumbing supplies such as pipe, elbows, fittings, etc. can be found using published reference tables. Friction loss for equipment such as filters, heaters, and chlorination systems can be found in charts and/or curves provided by the manufacturer. The sum of all the resistance is called Total Dynamic Head (TDH) and is typically measured in Feet of Water or Feet of Head.

A properly sized pump will have the ability to overcome the Total Dynamic Head of the system while, at the same time, providing flow that will satisfy Turnover Rate and Water Velocity requirements.

For new installations, it is possible to calculate TDH by using reference tables and manufacturer's data to determine the friction loss associated with every component in the circulation system.

For existing installations, we are often unable to determine the total amount of pipe and fittings . . . it's underground. Therefore, what follows is a simplified "rule-of-thumb"means of determining Total Dynamic Head.

We will need to add the resistance from the vacuum (suction) side of the existing pump to the resistance of the pressure side of the pump. Note this assumes the Static Suction Lift (i.e. vertical distance from the center of the pump's impeller to the surface of the water) is offset by the water returning to the pool.

3A. Friction Loss (Vacuum)

_____ inches of mercury × 1.13 ft of water = _____ft of water
(vacuum reading) (total resistance, vacuum)

Typically, however, a vacuum reading will not be available, therefore, the table below provides Common Head Loss Factors for today's high-efficiency pumps.

Pump Size	Head Loss Factor*
3/4 H.P.	4.5 to 5.5 ft of water
1 H.P.	7 to 9 ft of water
1 1/2 H.P.	10 to 12.5 ft of water
2 H.P.	13.5 to 16 ft of water

*Assumes 2"suction line, not to exceed 40 ft long, minimal fittings, one (1) 2"valve and full-rated pumps.

Total Resistance (Vacuum): 9 ft of water (existing 1 H.P. pump)

3B. Friction Loss (Pressure)

_____ PSI × 2.31 ft of water / PSI = _____ ft of water
(filter pressure, clean) (total resistance, pressure)

Total Resistance (Pressure): 10 PSI × 2.31 ft of water / PSI = 23 ft of water

3C. Total Dynamic Head

_____ ft of water + _____ ft of water = _____ ft of water
(total resistance, vacuum) (total resistance, pressure) (total dynamic head)

Total Dynamic Head: 9 ft of water + 23 ft of water = 32 ft of water

4. Pump Sizing

We now have all the information necessary to select the proper size pump and/or filter and then proceed based on new vs. existing installations.

A pump's performance data is provided ingpm (output) vs. Feet of Head (resistance). The specific performance data for Hayward® pumps can be found in the Pump Section of this Buyer's Guide.

4A. Pump Sizing, New Installations

For new installations, use the desired flow rate and Total Dynamic Head calculated from tables and manufacturer's data:

Desired Flow = _____gpm

Total Dynamic Head = _____ ft of water

Using Hayward Pump Performance Curves or Tables, identify which pump's performance comes closest to matching the point where the Desired Flow intersects with the Total Dynamic Head.

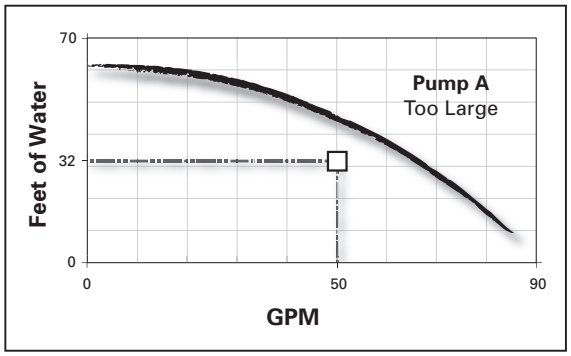
Hydraulics

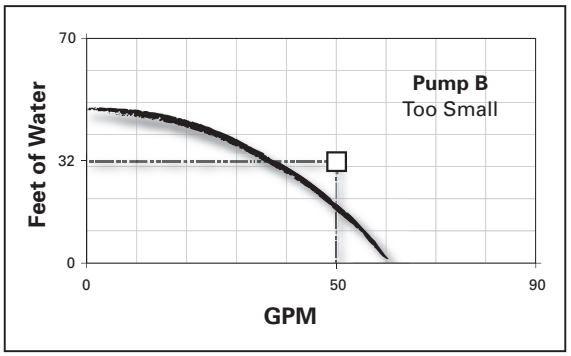
THE BASICS OF PUMP/FILTER SIZING (continued)

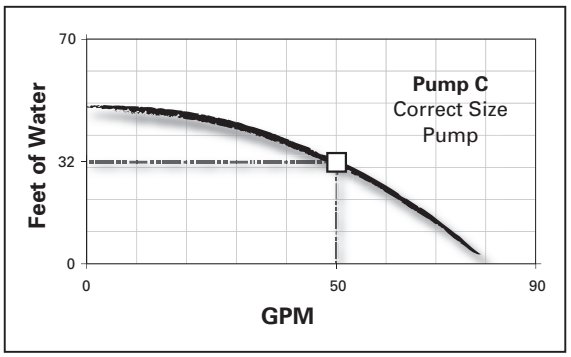
Desired Flow: 50gpm

Total Dynamic Head: 32 ft of water (assume to be the same as previously determined from Friction Loss calculations)

4B. Pump Sizing







Existing Installations

For existing installations, use the Total Dynamic Head calculated from the Friction Loss on the Vacuum and Pressure side of the pump.

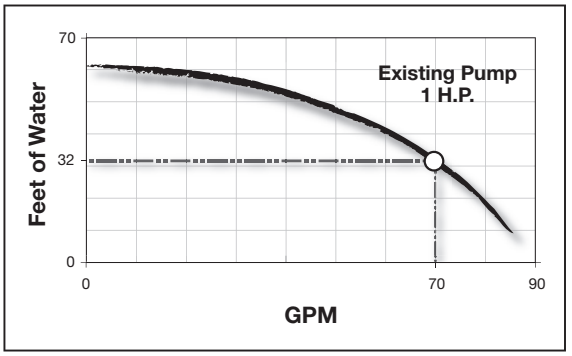
Total Dynamic Head = _____ ft of water

Using the manufacturer's performance curve for the existing pump, find the flow that corresponds to the Total Dynamic Head. This is the actual flow at which the pump is currently operating, which may or may not meet Turnover Rate and Water Velocity requirements. Verify the actual flow rate is between the minimum flow based on the Turnover Rate and the maximum flow based on the Water Velocity.

Total Dynamic Head: 32 ft of water

If the actual flow rate does not meet the Turnover Rate and Water Velocity requirements, you must either modify the system to add or remove restrictions (e.g. use less restrictive plumbing fittings and/or equipment) or vary the flow by changing size of the pump.

In the example below, the flow (70gpm) that corresponds to 32 ft of water for the given pump exceeds the maximum flow based on the water velocity. The pump should be re-sized.



Important: if you increase or decrease the flow for any reason (e.g. change pump size), Friction Loss will increase or decrease respectively. *You should not read horizontally across the curve at the same Total Dynamic Head to choose another pump.* You must create a system curve based on the following relationship:

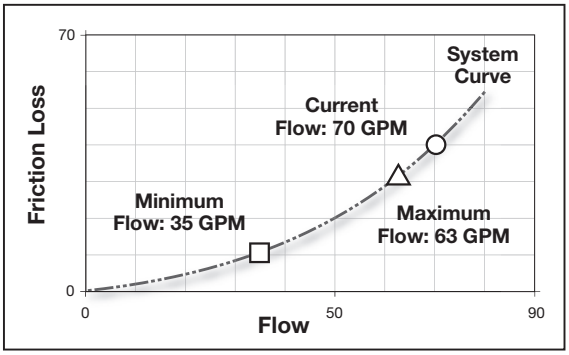
_____ ft of water × (_____gpm ÷ _____gpm)^2 = _____ ft of water
(current friction loss) (new flow rate) (current flow rate) (new friction loss)

Choose the minimum and maximum flow rates based on Turnover Rate and Water Velocity and calculate the corresponding friction loss using the formula above. Plot each combination of friction loss and flow to create the system curve.

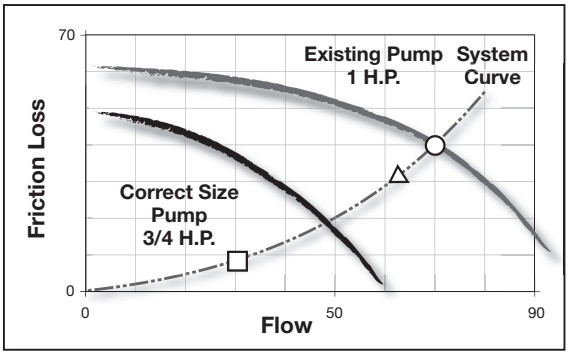
Current Flow: 70gpm (from chart for existing 1 H.P. pump shown above)
Current Friction Loss: 32 ft of water

Flow Rate per Turnover Requirement = 35gpm
Friction Loss = (32 ft of water) × (35gpm ÷ 70gpm)^2 = 8 ft of water

Flow Rate per Water Velocity Requirement = 63gpm
Friction Loss = (32 ft of water) × (63gpm ÷ 70gpm)^2 = 26 ft of water



The point where the performance curve for a particular pump intersects the system curve determines the flow and Total Dynamic Head where that pump will operate.



In this example, the flow for the 3/4 H.P. pump is between the minimum and maximum flow and is therefore properly sized for the application.

Saving Money by Saving Energy

Depending upon utility rates, pool characteristics, and equipment selected, the energy and dollar savings from an energy efficient single, two, or variable speed pump compared to a standard single speed pump can be quite significant.

For example, a system featuring an energy efficient high performance pump drawing 5.34 amps at 230 volts where the local utility rate is $0.12 per kWh will cost you approximately $1.78 over a 12 hour period per day. A standard pump drawing 7.0 amps will cost you approximately $2.32 per day or an extra $197 annually!

Use this worksheet to help determine your energy savings:

A. Motor Amp Rating	A
B. Voltage (e.g. 115 volts or 230 volts)	B
C. Local Energy Rate ($ per kWh)*	C
D. Approximate Power Usage (Watts) = A × B**	D
E. Kilowatts = D / 1000	E
F. $ per hour = E × C	F
G. Hours of Operation	G
H. Cost per Day = F × G	H
J. Monthly Cost = H × 30	J
K. Yearly Cost = H × number of months pool is in operation	K

NOTES: *Refer to your utility bill to determine local rate
**Estimated. It is recommended to use a wattmeter to determine the actual power consumption.

Visit https://hayward.com and learn more about energy efficient pump solutions.

4C. Filter Sizing

A filter, be it DE, sand, or cartridge, has a Design Flow Rate ingpm as well as a Turnover Capacity in Gallons. See the table below for example. The specific performance data for Hayward® filters is provided in the Filter Section of this Buyer's Guide.

Select a filter that meets or exceeds *both* the desired flow rate and turnover capacity in gallons. Filtration is a category where truly "bigger is better"as a larger size will hold more debris and extend the time between cleaning.

Model Number	Effective Filtration Rate Area	Design Flow	Turnover Capacity (Gallons)	
			8 Hours	10 Hours
S180T	1.75 ft²	35gpm	16,800	21,000
S210T	2.20 ft²	44gpm	21,120	26,400
S220T/T2	2.64 ft²	52gpm	24,960	31,200
S244T/T2	3.14 ft²	62gpm	29,760	37,200
S270T/T2	3.70 ft²	74gpm	35,520	44,400
S310T2	4.91 ft²	98gpm	47,040	58,800
S360SX	6.50 ft²	130gpm	62,400	78,000

Desired Flow: 50gpm
Turnover 21,120 gallons in 10 hours

Select S220T (minimum to meet Desired Flow and Turnover)

One additional factor to consider in filter sizing is bather load. Busier pools require larger filters. Also, larger filters provide longer cycles, reducing everyday maintenance required by the consumer during the pool season.

Summary

Using the information calculated above, you can properly size the pump, filter, and corresponding equipment, assuring you meet Turnover Rate and Water Velocity requirements while eliminating the electrical waste and potential damage to other system components associated with a needlessly oversized pump.

SwimClear® Multi-Element

C2030

Utilizing a cluster of reusable cartridge elements, SwimClear filters offer a choice of 225, 325, 425, 525, or 725 square feet of heavy-duty dirt-holding capacity for extra-long filter cycles, up to an entire season without cleaning. SwimClear filters will provide years of trouble-free operation and crystal clear, sparkling water

Features and Benefits

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever.
- Filter tanks made from durable glass reinforced co-polymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems.
- Self-aligned tank top and bottom make access to serving the Quad-Cluster™ cartridge elements fast and simple
- Heavy-duty, tamper-proof, one-piece clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections
- Top manifold configuration provides excellent filtration and hydraulic performance
- Non-corrosive top closure plate prevents elements from lifting and allowing unfiltered water to by-pass into pool or spa during operation
- Quad-Cluster of high-quality polyester cartridge elements provide 225, 325, 425, 525, or 725 square feet of filter area for extra dirt-holding capacity and long filter cycles
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance.
- PVC union coupling connection accepts 2" or 2 1/2" piping for plumbing versatility and hydraulic efficiency.
- Full size 1 1/2" integral drain allows for quicker and easier flushing of tank

Performance Data – Public and APSP-15

Model Number	Effective Filtration Area	Public Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C2030	225 ft.^{2}	84gpm	40,320	50,400
C3030	325 ft.^{2}	122gpm	58,560	73,200
C4030	425 ft.^{2}	150gpm	72,000	90,000
C5030	525 ft.^{2}	150gpm	72,000	90,000
HCF7030C	700 ft.^{2}	150gpm	72,000	90,000

Public and APSP-15 Design Flow Rate based on .375gpm/ft.^{2}
*Determined by pump size and piping system hydraulics.
2" piping is recommended for flow rates above 90gPM.
Refer to "Friction Loss" in Hydraulics section, page 19.

Specifications

SKU	Effective Filtration Area	Clearance for Head Removal	Plumbing Connection	Product Dimensions	Ctn. Weight (lbs.)
C2030	225 ft.^{2}	15"	2" × 2 1/2" Union	32.5" × 24" × 24"	68
C3030	325 ft.^{2}	16"	2" × 2 1/2" Union	34.5" × 24" × 24"	75
C4030	425 ft.^{2}	18"	2" × 2 1/2" Union	40.5" × 24" × 24"	83
C5030	525 ft.^{2}	22"	2" × 2 1/2" Union	46.5" × 24" × 24"	92
HCF7030C	700 ft.^{2}	28"	2" × 2 1/2" Union	52.5" × 24" × 24"	107

For replacement parts see pages 322–323.

SwimClear® Single-Element

The newest addition to the SwimClear family is simply the most efficient single element cartridge filter ever produced. It captures more dirt for superior water clarity while the industry's lowest head loss can increase energy savings. SwimClear is the easiest to service: the Easy-Lok™ ring design, comfort grip handles, and lowest lift height provide fast element cleaning and replacement. For energy savings, reliable performance, and the ultimate in service ease, the choice is crystal clear: SwimClear.

Features and Benefits

- Captures more dirt for superior water clarity without the need of any supplemental media
- Industry-leading hydraulic efficiency allows the pump to run at a lower speed or less time, which increases energy savings
- Easy-Lok ring design allows quick access to internal components for quick and simple maintenance
- Ergonomic grip handles provide multiple handling locations without touching fiberglass for easy installation and maintenance
- Lowest body height to lift elements for convenient and quick cleaning and replacement
- Recessed pressure gauge and manual air relief enables user to place head assembly upside down on pool pad, protecting the seal from contamination
- 2" × 2 1/2" union connections makes installation and servicing fast and easy

C100S

Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft.^{2}	100gpm	48,000	60,000
C150S	150 ft.^{2}	120gpm	57,600	72,000
C200S	200 ft.^{2}	120gpm	57,600	72,000

Residential Design Flow Rate based on 1gpm/ft.^{2}

Performance Data – Public and APSP-15

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft.^{2}	38gpm	18,240	22,800
C150S	150 ft.^{2}	56gpm	26,880	33,600
C200S	200 ft.^{2}	75gpm	36,000	45,000

Public and APSP-15 Design Flow Rate based on .375gpm/ft.^{2}

Specifications

SKU	Effective Filtration Area	Clearance for Head Removal	Plumbing Connection	Product Dimensions	Ctn. Weight (lbs.)
C100S	100 ft.^{2}	12"	2" × 2 1/2" Union	30.5" × 18.25" × 18.25"	33
C150S	150 ft.^{2}	15"	2" × 2 1/2" Union	33.25" × 18.25" × 18.25"	35
C200S	200 ft.^{2}	18"	2" × 2 1/2" Union	38.75" × 18.25" × 18.25"	40

For replacement parts see pages 324–325.

StarClear Plus

C12002

StarClear Plus filters offer quality, value and convenience in cartridge filtration. Because of their durable construction, they can handle the most demanding applications and environmental conditions. The precision engineered core provides extra strength and maximum flow. StarClear Plus filters deliver proven performance and value.

Features and Benefits

- Filter tanks made from durable glass reinforced co-polymer material to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Single piece injection-molded base and body provides added strength for reliable, corrosion-free performance
- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool when cartridge is removed for cleaning
- 2" FIP connections for plumbing versatility
- 1/2" FIP filter drain for fast draining. Also accepts a standard spigot valve

Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
C9002	90 ft.^{2}	90gpm	43,200	54,000
C12002	120 ft.^{2}	120gpm	57,600	72,000
C17502	175 ft.^{2}	120gpm	57,600	72,000

Residential Design Flow Rate based on 1gpm/ft.^{2}

Performance Data – APSP-15

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
C9002	90 ft.^{2}	34gpm	16,200	20,250
C12002	120 ft.^{2}	45gpm	21,600	27,000
C17502	175 ft.^{2}	66gpm	31,680	39,600

APSP-15 Design Flow Rate based on .375gpm/ft.^{2}
*Determined by pump size and piping system hydraulics.
2" piping is recommended for flow rates above 90gPM.
Refer to"Friction Loss" in Hydraulics section, page 19.

Specifications

SKU	Effective Filtration Area	Clearance for Head Removal	Plumbing Connection	Product Dimensions	Ctn. Weight (lbs.)
C12002	120 Ft.^{2}	25	2" NPT(F)	36" × 13.375" × 13.375"	30
C17502	175 Ft.^{2}	30	2" NPT(F)	42" × 13.375" × 13.375"	36
C9002	90 Ft.^{2}	19	2" NPT(F)	30" × 13.375" × 13.375"	26

For replacement parts see pages 328–329.

StarClear cartridge filters provide crystal clear water and have extra cleaning capacity to accommodate pools and spas of all types and sizes. For replacement or new pool installations, StarClear sets the standard of excellence and value.

Features and Benefits

- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Attractive, durable filter head may be rotated to conveniently position pressure gauge and manual air relief
- Injection-molded filter tank for dependable, corrosion-free performance
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool or spa when cartridge is removed for cleaning
- 1 1/2" or 2" FIP, or 2" SKT connections for plumbing versatility
- 1/2" FIP filter drain for fast draining of elevated spas and tubs. Also accepts a standard spigot valve

C225

Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft.^{2}	25gpm	12,000	15,000
C500	50 ft.^{2}	50gpm	24,000	30,000

Performance Data – Public

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft.^{2}	9gpm	4,500	5,625
C500	50 ft.^{2}	18gpm	9,000	11,250

Public Design Flow Rate based on .375gpm/ft.^{2}
*Determined by pump size and piping system hydraulics.
2" piping is recommended for flow rates above 90gPM.
Refer to"Friction Loss" in Hydraulics section, pages 19.

Specifications

SKU	Effective Filtration Area	Clearance for Head Removal	Plumbing Connection	Product Dimensions	Ctn. Weight (lbs.)
C225	25 Ft.^{2}	18	1-1/2" × 2" Union	17.875" × 10.5" × 7.25"	5
C250	25 Ft.^{2}	18	1-1/2" NPT(F)	19.5" × 10.5" × 10.5"	12
C500	50 Ft.^{2}	28	1-1/2" NPT(F)	29.5" × 10.5" × 10.5"	16

For replacement parts see pages 330–331.

XStream®

CC10080S

XStream size for an XStream clean. Once you see the XStream filtration from Hayward, you'll be hooked. Its massive size and incredible performance mean years of trouble-free filtration. It has an extra large capacity for dirt and debris and a quick-release, high-capacity air relief valve.

Features and Benefits

- Designed specifically for the rigors of above-ground filtration
- Longer, more efficient filtering life
- Larger filter body ensures an equal distribution of dirt and debris throughout the filtering element
- Engineered for easy use with flexible or rigid plumbing
- Quick release, high capacity air relief valve
- Durable filter tank will provide years of trouble-free operation
- Easy-Lok™ ring design allows quick access to all internal components in a single turn
- Unique safety catch prevents over-tightening of the lid and efficiently secures the filter for high performance operation

Performance Data

Filter	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
CC1000	100 ft.²	80gpm	38,400	48,000
CC1500	150 ft.²	120gpm	57,600	72,000

Specifications

SKU	Filter	Filter Size	Effective Filtration Area	Product Dimensions	Pump	Total HP	DOE Compliant	Ctn. Weight (lbs.)
CC10080S	XStream	N/A	100 Ft.²	30.8" × 21.5" × 28.5"	PowerFlo LX	1	Yes	67
CC10092S	XStream	N/A	100 Ft.²	30.8" × 21.5" × 29.5"	PowerFlo Matrix	1	Yes	67
CC10092STL	XStream	N/A	100 Ft.²	30.8" × 21.5" × 29.5"	PowerFlo Matrix	1	Yes	66
CC15080X5S	XStream	N/A	150 Ft.²	37.5" × 21.5" × 24.5"	PowerFlo LX	1.50	Yes	45
CC150932S	XStream	N/A	150 Ft.²	37" × 21.5" × 29.5"	PowerFlo Matrix	1.50	Yes	75
CC15093S	XStream	N/A	150 Ft.²	37.3" × 21.6" × 29.6"	PowerFlo Matrix	1.50	Yes	75
CC15093STL	XStream	N/A	150 Ft.²	37" × 21.5" × 29.5"	PowerFlo Matrix	1.50	Yes	75

For replacement parts see pages 332–333.

ProGrid vertical grid D.E. filters provide superior water clarity, efficient flow and large cleaning capacity for pools and spas of all types and sizes. ProGrid combines high-technology features and"service-ease" design for an unparalleled filtration value for both new pool and aftermarket installations.

Features and Benefits

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever
- Filter tanks made from durable glass reinforced co-polymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Self-aligned tank top and bottom make access to servicing the grid elements fast and simple
- Heavy-duty, tamper-proof, one piece flange clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections
- High impact grid elements designed for up-flow filtration and top-down backwashing for maximum efficiency
- Integral lift handles and uniform low-profile base make removal of grid nest fast and simple
- Inlet diffuser elbow distributes flow of unfiltered water evenly to all filter elements and provides even distribution of D.E. to grids
- Convenient valve and plumbing options allow for customized control
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance
- 72 ft² filter allows for both commercial and large residential applications and years of noncorrosive, trouble-free performance

DE3620

Performance Data – Filter

Model Number	Effective Filtration Area	Public Design Flow Rate*	Turnover (In Gallons)		Residential Design Flow Rate**	Turnover (In Gallons)	
			8 Hours	10 Hours		8 Hours	10 Hours
DE3620	36 ft.²	72gpm	34,560	43,200	90gpm	43,200	54,000
DE4820	48 ft.²	96gpm	46,080	57,600	120gpm	57,600	72,000
DE6020	60 ft.²	120gpm	57,600	72,000	150gpm	72,000	90,000
DE7220	72 ft.²	144gpm	69,120	86,400	150gpm	72,000	90,000

NOTES: *Based on 2gpm/ft.² (maximum allowable NSF rating).
**Based on 2.5gpm/ft.² (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

Specifications

SKU	Effective Filtration Area	Valve Included	Clearance for Head Removal	Plumbing Connection	Product Dimensions	D.E. Capacity	Ctn. Weight (lbs.)
DE3620	36 Ft.²	Not Included	16	2" × 2 1/2" Union	34.5" × 24" × 24"	4.50	66
DE4820	48 Ft.²	Not Included	18	2" × 2 1/2" Union	40.5" × 24" × 24"	6	75
DE6020	60 Ft.²	Not Included	22	2" × 2 1/2" Union	46.5" × 24" × 24"	7.50	83
DE7220	72 Ft.²	Not Included	25	2" × 2 1/2" Union	52.5" × 24" × 24"	9	93

For replacement parts see pages 338–339.

D.E. Separation Tank

C9002SEP

Designed for D.E. filters with up to 100 square feet of filtration area, Hayward® D.E. separation tanks are ideal for water conservation and savings during backwashing by returning chemically treated backwash water to the pool. Hayward D.E. separation tanks hold up to 10 lbs. of used D.E. filter powder and compliment both new and existing D.E. filter installations.

Features and Benefits

- Rugged, reusable polypropylene containment bag holds up to 10 lbs. of used D.E. filter powder
- For pleated element D.E. filters with up to 100 ft.2 of filtration area
- For vertical grid D.E. filters with up to 80 ft.^{2} of filtration area
- Comes complete with 2" FIP or 2" SKT connections for full-flow performance
- Single locking knob for easy access

Specifications

SKU	Effective Filtration Area	Valve Included	Clearance for Head Removal	Plumbing Connection	Product Dimensions	D.E. Capacity	Ctn. Weight (lbs.)
C9002SEP	80 Ft.^{2}	N/A	19	2" NPT(F)	30" × 13.375" × 13.375"	10	23

For replacement parts see pages 338–339.

Perflex Extended-Cycle D.E. filters provide crystal clear, sparkling water at an economical price. Proven over many years, Perflex has set the standard in swimming pool filtration by incorporating the patented Flex-Tube™ design in combination with D.E., the most effective filter media available. The result is superior water clarity, extended filter cleaning cycles — and no backwashing required.

Features and Benefits

- Easy access clamp assembly
- Cleans pools fast — removes even the smallest particles the first time through
- Uses D.E. (diatomaceous earth), the most effective filter media available
- Patented Flex-Tube system efficiently reuses D.E. powder and dirt mixture to form fresh cleaning surfaces
- Exclusive bump handle activates the Flex-Tubes, causing them to instantly purge themselves of dirt and powder
- Uniquely designed to expel any air that may be present in the system through the filtered water returning to the pool
- Combination diffuser and lower mixing chamber specifically designed to produce a uniformed coating of D.E. on the Flex-Tubes

EC40AC

Performance Data

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
EC40AC	20 ft.²	40gpm	19,200	24,000
EC50AC	25 ft.²	50gpm	24,000	30,000

Specifications

SKU	Effective Filtration Area	Valve Included	Clearance for Head Removal	Plumbing Connection	Product Dimensions	D.E. Capacity	Ctn. Weight (lbs.)
EC40AC	20 Ft.²	N/A	0	1-1/2" NPT(F)	26.5" × 16" × 16"	4	29
EC50AC	25 Ft.²	N/A	0	1-1/2" NPT(F)	31.375" × 13.5" × 16"	5	32
EC65A	27 Ft.²	N/A	0	1-1/2" NPT(F)	31" × 21" × 21"	6.50	45
EC75A	40 Ft.²	N/A	0	1-1/2" NPT(F)	31" × 21" × 21"	7.50	45

For replacement parts see pages 342–343.

Perflex® System

EC40C80S

Perflex filters are performance matched with our above-ground pump series to ensure a system that maximizes its filtration ability. These advanced filtration systems are designed to operate with less resistance than conventional units, thus producing more filtered water with less pump horsepower. Quality, value, dependability, and sparkling clear pool water are the Perflex system trademarks.

Features and Benefits

- Pump-to-filter union connection provides simple installation and winterization
- Modular platform base accepts optional chlorine feeder

Performance Data

Model Number	Effective Filtration Area	Public Design Flow Rate*	Residential Design Flow Rate**	Turnover (In Gallons)	
				8 Hours	10 Hours
EC65A	27 ft.^{2}	54gpm	—	25,920	40,200
EC75A	40 ft.^{2}	80gpm	—	38,400	48,000
EC65A	—	—	67gpm	32,200	90,250
EC75A	—	—	100gpm	48,000	60,000

NOTES: *Based on 2gpm/ft.^{2} (maximum allowable NSF rating).
**Based on 2.5gpm/ft.^{2} (maximum allowable NSF rating).

Specifications

SKU	Filter	Filter Size	Effective Filtration Area	Product Dimensions	Pump	Total HP	DOE Compliant	Ctn. Weight (lbs.)
EC40C80S	Perflex	N/A	19 Ft.^{2}	28.9" × 16.4" × 25.9"	PowerFlo LX	1	Yes	59
EC40C80STL	Perflex	N/A	20 Ft.^{2}	28.9" × 16.4" × 25.9"	PowerFlo LX	1	Yes	59
EC40C92S	Perflex	N/A	21 Ft.^{2}	28.9" × 16.4" × 25.9"	PowerFlo Matrix	1	Yes	63
EC50C80X5S	Perflex	N/A	25 Ft.^{2}	33" × 15.6" × 25.8"	PowerFlo LX	1.50	Yes	63
EC50C80X5STL	Perflex	N/A	25 Ft.^{2}	33" × 15.6" × 25.8"	PowerFlo LX	1.50	Yes	63
EC50C92STL	Perflex	N/A	25 Ft.^{2}	33" × 15.6" × 25.8"	PowerFlo Matrix	1	Yes	55
EC50C93S	Perflex	N/A	25 Ft.^{2}	33" × 15.6" × 25.8"	PowerFlo Matrix	1.50	Yes	55

For replacement parts see pages 340–341.

Incorporating the many advanced features of ProSeries top-mount and side mount sand filters, the ProSeries Plus satisfies the requirements of the most demanding installations, including pools installed with in-floor cleaning systems, spas, fountains or solar heating systems.

Features and Benefits

- Durable, flanged inspection cover provides convenient access to top of side mount filters
- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Top diffuser ensures even distribution of water over the top of the sand media bed. All internal piping is 2" to give smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof, spherical filter tank molded of rugged, colorfast polymeric material for maximum strength and longer life
- Optional valve and coupling selections for plumbing ease and versatility. Choose from 6-position VariFlo® valve, 2-position slide valve or 1 1/2" SKT × 2" SLIP connectors for multiple (tandem) filter installations
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

S311SXV

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S311SXV	4.95 ft.²	99gpm	47,520	59,400
S360SX	6.50 ft.²	130gpm	62,400	78,000
S360T2	6.50 ft.²	130gpm	62,400	78,000

*Based on 20gpm/ft.² (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP071621	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

Specifications

SKU	Effective Filtration Area	Plumbing Connection	Product Dimensions	Sand Capacity	Valve Included	Ctn. Weight (lbs.)
S311SXV	4.95 Ft.²	2" Socket	38.625" × 31" × 31"	350 lbs.	2" Slide Valve	84
S360SX	6.5 Ft.²	2" Flange	46" × 36" × 36"	700 lbs.	Not Included	124
S360T2	6.5 Ft.²	2" NPT(F)	53" × 36" × 36"	700 lbs.	2" VariFlo	158

For replacement parts see pages 346–347.

ProSeries™ Top-Mount

S166T

ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature attractive, unitized tank construction for years of trouble-free operation with only minimal care. ProSeries sets the standard for performance, value and dependability.

Features and Benefits

- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Integral top diffuser ensures even distribution of water over the top of the sand media bed. Full-size internal piping provides smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof filter tank molded of rugged, colorfast polymeric material for dependable, all-weather performance
- 6- or 7-position Hayward® 2" VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S220T/T2	2.64 ft.²	52gpm	24,960	31,200
S244T/T2	3.14 ft.²	62gpm	29,760	37,200
S270T/T2	3.70 ft.²	74gpm	35,520	44,400
S310T2	4.91 ft.²	98gpm	47,040	58,800

*Based on 20gpm/ft.² (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed	Winter
SP0714T	•	•	•	•	•	•	•
SP071621	•	•	•	•	•	•	—

Specifications

SKU	Effective Filtration Area	Plumbing Connection	Product Dimensions	Sand Capacity	Valve Included	Ctn. Weight (lbs.)
S166T	1.4 Ft.²	1-1/2" NPT(F)	33" × 16.5" × 16.5"	100 lbs.	1 1/2" VariFlo	25
S180T	1.75 Ft.²	1-1/2" NPT(F)	35" × 18.5" × 18.5"	150 lbs.	1 1/2" VariFlo	29
S210T	2.2 Ft.²	1-1/2" NPT(F)	38" × 20.5" × 20.5"	200 lbs.	1 1/2" VariFlo	37
S220T	2.64 Ft.²	1-1/2" NPT(F)	41" × 22.5" × 22.5"	250lbs.	1 1/2" VariFlo	44
S220T2	2.64 Ft.²	2" NPT(F)	41" × 22.5" × 22.5"	250lbs.	2" VariFlo	45
S244T	3.14 Ft.²	1-1/2" NPT(F)	42" × 24.5" × 24.5"	300 lbs.	1 1/2" VariFlo	47
S244T2	3.14 Ft.²	2" NPT(F)	42" × 24.5" × 24.5"	300 lbs.	2" VariFlo	50
S270T	3.7 Ft.²	1-1/2" NPT(F)	43" × 27" × 27.5"	350 lbs.	1 1/2" VariFlo	64
S270T2	3.7 Ft.²	2" NPT(F)	43" × 27" × 27.5"	350 lbs.	2" VariFlo	64
S310T2	4.91 Ft.²	2" NPT(F)	48" × 30.5" × 30.5"	500 lbs.	2" VariFlo	109.60

For replacement parts see pages 354, 358–359.

ProSeries™ Side-Mount

ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature an advanced, self-cleaning lateral under-drain system for smooth, efficient flow and totally balanced backwashing. For crystal clear water with minimal care, pool professionals choose ProSeries.

Features and Benefits

- Durable, flanged inspection cover provides convenient access to top of filter
- Top diffuser ensures even distribution of water over the top of the sand media bed
- Automatic air relief purges any trapped air during operation of the filter system
- Unitized, corrosion-proof filter tank molded of rugged, colorfast polymeric material for dependable, all weather performance
- Large pressure sand/water drain for rapid winterizing or servicing
- 6-position Hayward® VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the 6 valve/filter functions
- Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

S244S

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S244S	3.14 ft.²	62gpm	29,760	37,200
S310S	4.91 ft.²	98gpm	47,040	58,800

*Based on 20gpm/ft.² (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

Specifications

SKU	Effective Filtration Area	Plumbing Connection	Product Dimensions	Sand Capacity	Valve Included	Ctn. Weight (lbs.)
S244S	3.14 Ft.²	1-1/2" NPT(F)	36" × 24.5" × 24.5"	300 lbs.	1 1/2" VariFlo	62
S244SLV	3.14 Ft.²	2" Socket	36" × 24.5" × 24.5"	300 lbs.	Not Included	56
S244SV	3.14 Ft.²	2" Flange	36" × 24.5" × 24.5"	300 lbs.	2" Slide Valve	62
S310S	4.91 Ft.²	2" Flange	40" × 30.5" × 30.5"	500 lbs.	Not Included	83

For replacement parts see pages 348–349.

ProSeries™

S166T1580S

ProSeries sand systems are designed and equipped to offer the ideal combination of energy efficiency and outstanding water clarity. A broad selection of filter sizes, pumps, and accessories allows you to choose and merchandise the system(s) that best suit your above-ground pool program.

Features and Benefits

- Systems are designed for quick assembly and precise alignment of components
- Pumps and filters are performance-matched to provide maximum flow and energy efficiency
- 7-position VariFlo™ valve provides maximum flow at low pressure drop
- Durable filter bases for long-lasting, all-weather performance

Specifications

SKU	Filter	Filter Size	Effective Filtration Area	Product Dimensions	Pump	Total HP	DOE Compliant	Ctn. Weight (lbs.)
S166T1580S	ProSeries	16"	1.4 Ft.²	27.4" × 18.9" × 30.1"	PowerFlo LX	1	Yes	55
S166T92S	ProSeries	16"	1.4 Ft.²	27.5" × 19" × 30"	PowerFlo Matrix	1	Yes	59
S166T92STL	ProSeries	16"	1.4 Ft.²	27.5" × 19" × 30"	PowerFlo Matrix	1	Yes	59
S166TPAKS	ProSeries	16"	1.4 Ft.²	29" × 16.3" × 16.3"	N/A	0	N/A	29
S180T1580S	ProSeries	18"	1.75 Ft.²	30" × 19" × 31"	PowerFlo LX	1	Yes	58
S180T1580X15S	ProSeries	18"	1.75 Ft.²	30" × 19" × 31"	PowerFlo LX	1.50	Yes	60
S180T1585STL	ProSeries	18"	1.75 Ft.²	30" × 19" × 31"	PowerFlo LX	1.50	Yes	61
S180T92S	ProSeries	18"	1.75 Ft.²	30" × 19.1" × 30.1"	PowerFlo Matrix	1	Yes	63
S180T92STL	ProSeries	18"	1.75 Ft.²	30" × 19" × 31"	PowerFlo Matrix	1	Yes	66
S180T932S	ProSeries	18"	1.75 Ft.²	30" × 19" × 31"	PowerFlo Matrix	1.50	Yes	67
S180T93S	ProSeries	18"	1.75 Ft.²	30" × 19.1" × 30.1"	PowerFlo Matrix	1.50	Yes	68
S180T93STL	ProSeries	18"	1.75 Ft.²	30" × 19" × 31"	PowerFlo Matrix	1.50	Yes	68
S210T1580X15S	ProSeries	21"	2.2 Ft.²	30.5" × 20.5" × 32"	PowerFlo LX	1.50	Yes	67
S210T932S	ProSeries	21"	2.2 Ft.²	30.5" × 20.5" × 32"	PowerFlo Matrix	1.50	Yes	77
S210T93S	ProSeries	21"	2.2 Ft.²	30.8" × 21.1" × 32.1"	PowerFlo Matrix	1.50	Yes	73
S230T1580X15S	ProSeries	23"	2.64 Ft.²	33.5" × 23.5" × 34.5"	PowerFlo LX	1.50	Yes	78
S230T932S	ProSeries	23"	2.64 Ft.²	33.5" × 23.5" × 34.5"	PowerFlo Matrix	1.50	Yes	84
S230T93S	ProSeries	23"	2.64 Ft.²	33.5" × 23.5" × 34.5"	PowerFlo Matrix	1.50	Yes	82

For replacement parts see pages 356–357.

VL Series above-ground systems offer the performance and reliability expected from the world's leading provider of above-ground equipment., The VL 40 series system is easy to assemble with an integrated pump base, an incredibly quiet pump and proven sand filter technology for trouble-free operation.

Features and Benefits

- VL 40 series is designed for pools up to 10,000 gallons
- Designed for quick assembly and precise alignment of components
- Pumps and filters are performance-matched to provide maximum flow and energy efficiency
- Multi-position valve provides maximum flow at low pressure drop
- Durable filter bases for long-lasting, all-weather performance
- Includes 13" Polymeric Tank, 4-Position Filter Valve, 30gpm Pump, Integrated Pump Base, and 1 1/4" and 1 1/2" Hose Adapters

VL40T32

Specifications

SKU	Filter Control Valve	Pump	H.P.	Sand Capacity	Ctn. Weight (lbs.)	DOE Compliant
VL40T32	4 Position	VL 40 Series	30gpm	42 lbs.	26	Yes

For replacement parts see pages 362–363.

Filtration

The importance of proper swimming pool or spa filtration can not be overstated. The reasons for filtration are obvious — clear water not only looks beautiful, but it is also necessary for health and safety reasons. Much of the material suspended in the water, derived from plant and animal sources, provides food for bacteria and algae. It is these materials that must be removed if a pool or spa is to be maintained in a safe and sanitary condition. The three most popular types of filtration currently in use in residential pools and spas are high-rate sand, cartridge and diatomaceous earth (D.E.). Each method of filtration is explained below.

High-Rate Sand

The oldest and most popular method of filtration is sand. Sand filters share two things in common: 1) When in the filtration mode, water always flows from top to bottom; 2) They all have some sort of lateral or underdrain with slots to hold back sand while allowing clean, filtered water to pass through.

High-rate sand filters use a special filter sand, normally .45 to .55 mm
(also known as pool-grade #20 silica sand), because it has sharp edges that serve to separate particles, allowing filtration to take place. They operate on the basis of"depth" filtration; dirt is driven through the sand bed and trapped in the minute spaces between the particles of sand. Initially, a clean sand bed will remove larger particles, and then, as the bed starts to load up, it will remove finer particles.

Cleaning of the media, or sand bed, is accomplished through reversing the flow through the filter, to the"waste" line. This is known as backwashing.

Cartridge

Cartridge filtration has been available for a relatively long time, but only recently has it begun to enjoy rapid growth and acceptance.

When water passes through a cartridge filter, dirt is screened out at the surface of the cartridge element. When clean, the element will trap larger particles, with finer particles being filtered out as the pores of the element become clogged by the larger debris.

The cartridge element can be removed and cleaned by pressure washing inside and out with a garden hose.

A key benefit of cartridge filtration is that it does not require a back-wash valve. This reduces head loss which, in turn, improves the efficiency of the overall system.

Diatomaceous Earth (D.E.)

Many pool professionals consider D.E. filtration to be the finest, because it is capable of removing smaller particles than either sand or cartridge.

Diatomaceous earth is a porous powder with microscopic openings, that, when magnified, look like tiny sponges. Clear water can pass through these openings, but particles, as small as five microns, are trapped the first pass through the media.

All D.E. filters have internal elements that become coated with D.E. It is this"filter cake" that strains dirt, dust, algae and some forms of bacteria from the water.

Similar to sand filters, when a D.E. filter becomes dirty, it is cleaned either by backwashing the clogged D.E. to the"waste" line or regenerating and draining. To restore filtration, a fresh"charge" of D.E. is added to the filter.

Water Chemistry

Whatever method of filtration is selected, it is important to remember that filtration alone does not keep water looking its best. Proper water chemistry must also be maintained for safe, clean water. Most pool owner complaints are directly related to water chemistry or improper sizing of filters and pumps rather than equipment failures.

Technical Data – Filtration

Filtration Method	Suggested Filtration Rate		Approximate Filtration Range (Microns)
	Residential (GPM/ft.^{2})	Commercial (GPM/ft.^{2})	
High-Rate Sand	20	20	20 to 40
Cartridge	1*	.375	10 to 20
Diatomaceous Earth	2.5	2	5

NOTE: *Use Commercial Filtration Rate (.375gpm/ft^2) to meet APSP-15
Sources: (1) NSPI. Basic Pool & Spa Technology (2/88 Edition; Section 1.4: Filters)
(2) Hayward Pool Products Technical Bulletin TMF-12.

For proper filter sizing techniques, please see"Filter Sizing" section 4C on page 21.

High-Rate Sand Filter

Cartridge Filter

Vertical Grid Diatomaceous Earth (D.E.) Filter

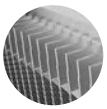
THE FUTURE BELONGS TO MICROCHANNEL

When your customers want the perfect temperature for their pool and spa, the right equipment can make all the difference. Using industry-first microchannel heat exchanger (MCHX) technology from Hayward, the HeatPro® Series of Heat+Chill Heat Pumps will ensure the optimal temperature year-round.

CHILLS DOWN TO 40°F FOR COLD PLUNGES
Chills to low temperatures so you can get all the benefits out of your next cold plunge.*

COOLS FOR PERFECT TEMPERATURE
Ideal for warm or desert climates with 30% increased cooling capacity compared to competitive technology.*

WARMS TO EXTEND SWIM SEASON
Extend swim season with improved heating capacity below 50°F using our patent defrost algorithm.



BEST-IN-CLASS CORROSION RESISTANCE.
TCP coating developed by Naval Air Command for durability in the harshest climates.

ROBUST COIL STRUCTURE.
Protects against fin damage during installation and outdoor impacts.

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ADD OMNI® AUTOMATION FOR A NEW DEGREE OF CONTROL.

The industry-best HeatPro gets even better when you pair it with top-rated Omni automation offering advanced management of temperature, runtime and a whole lot more.

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HeatPro® VS

HP51202T

Engineered to be just as high-performing as our industry-leading HeatPro heat and cool pump, the HeatPro VS heat pump leverages variable-speed technology to maximize energy and cost savings while minimizing operational noise. As the first AHRI-certified inverter-driven variable-speed heat and cool pump in North America, it features a vertical discharge fan that allows for easy installation in any in-ground pool pad. With efficient operation in even the coldest ambient temperatures, it's the smartest way for any pool owner to get more out of their investment.

Features and Benefits

- Inverter-driven variable-speed technology features best-in-class part-load COP and incredibly quiet operation
- Intuitive control panel provides a seamless user experience via touchscreen digital display
- Vertical discharge fan allows for versatile installation in any in-ground pool pad
- Heat and Cool. This heat and cool heat pump, together with low ambient temperature feature, will extend the swimming season
- Soft Start driven by inverter technology, it gives customers no excessive inrush current during the starting process
- Titanium heat exchanger offers superior corrosion resistance to fight against damage and premature failure caused by unbalanced water chemistry
- AHRI certification means independent lab testing confirms product performance and value

Specifications

SKU	BTU/COP: 80.6°F Air/80°F Water/80% RH	BTU/COP: 80.6°F Air/80°F Water/63% RH	BTU/ COP: 50°F Air/80°F Water/63% RH	Min. Operating Temperature	Voltage/Hertz/ Phase	MIN Circuit Protection	Size: WxDxH	Weight (lbs.): Unit & Ship
HP51202T	120,000/5.8	112,000/5.5	65,000/4.0	40	220-240/60/1	45A	33.8" x 36.2" x 44.2"	286 x 381

For replacement parts see pages 368–369.

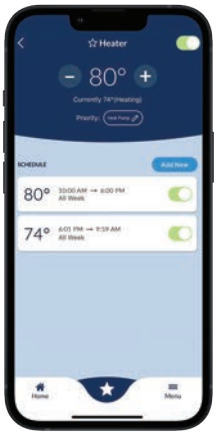
Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature. If you are looking to warm your water to extend swim season, cool your water in warm or arid climate conditions, or chill your water down to 40ºF for a cold plunge, we have the ideal lineup including three heat only options and three heat+chill options.

HP31405T

Features and Benefits

- Chills down to 40°F: Chills to low temperatures so you can get all the benefits out of your next cold plunge*
- Industry-Leading Cooling Capacity: 30% increased cooling capacity compared to competitive technology is ideal for desert regions or warm climates*
- Improved Heating in Cool Weather: A patent-pending defrost algorithm provides improved heating capacity below 50 degrees Fahrenheit so you can extend swim season
- Robust Coil Structure: Protects against fin damage during installation and outdoor impacts
- Best in Class Corrosion Resistance: Trivalent Chromium Process (TCP) coating developed in connection with the United States government for durability in the harshest climates
- Weight Reduction: Up to 50 pounds lighter than traditional evaporator coils
- Less Complexity: 85% reduction in braze joints means fewer leak opportunities
- Less Refrigerant: Significant reduction in refrigerant means lower environmental impact
- New Degree of Control: Add Omni automation for remote temperature control and intuitive scheduling
- Lower Panel Loading: 40 amp breaker can be used on 110K and 120K BTU/hr units

*Heat+Chill models only



ADD OMNI® AUTOMATION FOR A NEW DEGREE OF CONTROL.

The industry-best HeatPro gets even better when you pair it with top-rated Omni automation—offering advanced management of temperature, runtime and a whole lot more.

Specifications

SKU	BTU Heating Capacity 80/80/80	BTU Cooling Capacity 95/90/80	Voltage/Hertz/ Phase	Breaker Size	Size (WxDxH)	Ctn. Weight (lbs.)
Heat Only						
HP21105T	110,000	—	230/60/1	40	31" x 36.5" x 49"	278
HP21205T	120,000	—	230/60/1	40	31" x 36.5" x 49"	281
HP21405T	138,000	—	230/60/1	50	31" x 36.5" x 49"	281
Heat + Chill						
HP31105T	110,000	72,000	230/60/1	40	31" x 36.5" x 49"	285
HP31205T	120,000	72,000	230/60/1	40	31" x 36.5" x 49"	288
HP31405T	135,000	82,000	230/60/1	50	31" x 36.5" x 49"	288

For replacement parts see pages 366–367.

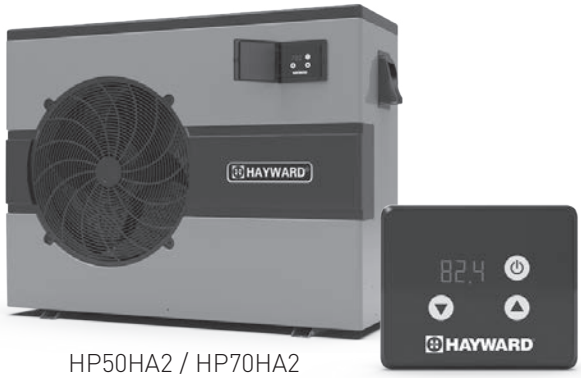
HeatPro®

HP31005T

HeatPro features the industry's only standard "Ultra Gold" corrosion resistant evaporator fin which provides extreme durability, especially in coastal environments. Its compact design allows for easy installation and service on new or existing pools.

Features and Benefits

- Titanium heat exchanger for trouble-free performance even under the harshest conditions
- Profiled fan blade for high performance and quiet operation
- Ultra Gold corrosion resistant evaporator coil for excellent durability in coastal environments
- Easy to read display
- 2" x 2 ½" union connections for easy installation and maintenance
- These models combine convenient Heat/Cool capabilities with energy-saving Low Ambient Operation



HP50HA2 / HP70HA2

Specifications

SKU	BTU/COP: 80.6°F Air/80°F Water/80% RH	BTU/COP: 80.6°F Air/80°F Water/63% RH	BTU/COP: 50°F Air/80°F Water/63% RH	Min. Operating Temperature	Voltage/Hertz/ Phase	MIN Circuit Protection	Size: WxDxH	Weight (lbs.): Unit & Ship
HP31005T	100,000/6.4	94,000/6.2	61,000/4.2	40	208-230/60/1	50A	30.25" x 34" x 40"	245 x 285
HP50HA2	47,000/6.0	44,000/5.8	28,500/4.0	40	230/60/1	25A	44.5" x 18" x 26"	152 x 160
HP70HA2	70,000/5.3	65,000/5.1	48,000/4.0	40	230/60/1	30A	45.25" x 18.5" x 35"	230 x 270

For replacement parts see pages 374–375, 382–383.

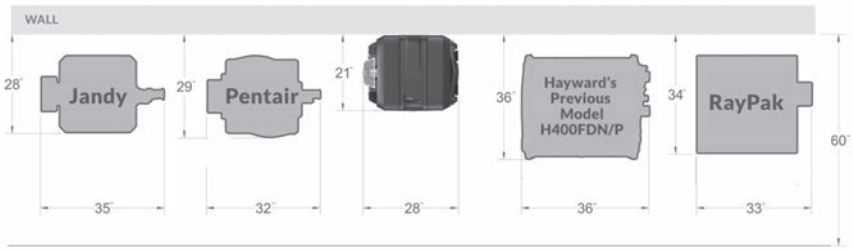
Universal HC Series dual-fuel technology gas heaters are uniquely engineered for use with Hayward plumbing adapters, making them an easy drop-in replacement for other heater brands. The heat exchanger is made from cupro nickel for added reliability, and the easy-out air/gas mixing orifice makes propane conversion fast and simple. The small footprint with zero wall clearance fits in even the most compact equipment pads, while the refined gas controls and remote connectivity provide a simple user experience with added service convenience.

Features and Benefits

- Top-access design eliminates the need to remove side panels and kneel during service
- Low NOx emissions meet clean air quality standards and offer premium heating performance
- Cupro nickel heat exchanger comes standard, protecting against water corrosion and natural wear
- Zero wall clearance ensures a seamless fit in smaller equipment pads and tight spaces
- Easy-out mixing orifice allows for easy in-field conversion between natural gas and propane
- Quick-access reversible top easily swaps plumbing from from right to left while providing access to gas shutoff, voltage selection and more, all via a single fastener
- Compact, lightweight design makes installation easy in any environment
- Integral tie-down connections on the base make for easy hand truck transport with no extra tie-down brackets required
- Patented butterfly bypass valve enables flow rates up to 125gpm without extra accessories
- Exclusive plumbing adapters allow for simple drop-in replacement with no pipe cutting required

HDF400

The Industry's Smallest-Footprint Heater*



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Specifications

SKU	Fuel Type	Heating Capacity (BTU/hr)	Voltage	Plumbing Connection	Product Dimensions	Thermal Efficiency	Ctn. Weight (lbs.)
HDF275	Dual Fuel	275,000	120/240 Volts	2" x 2 1/2" Union	31" x 28" x 21"	84%	180
HDF400	Dual Fuel	400,000	120/240 Volts	2" x 2 1/2" Union	31" x 28" x 21"	84%	180

For replacement parts see pages 384–385.

Universal H-Series Low NOx

H400FDN

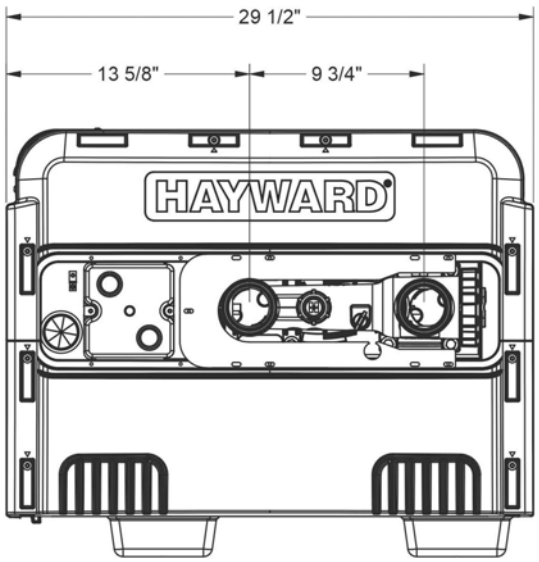
Hayward Universal H-Series gas heaters are the"universal" energy efficient remedy for any new or existing pool or spa. An industry-leading hydraulic design reduces circulation pump run time to provide energy savings of up to 18% when compared to less efficient competitors. The energy efficiency of the Universal H-Series gas heater combines with environmentally friendly low NOx emissions, a standard cupro nickel heat exchanger, and ultimate installation flexibility to responsibly heat a pool or spa today and for years to come.

Features and Benefits

- Standard cupro nickel heat exchanger
- Excellent salt water and chemical corrosion resistance
- Exclusive"Totally Managed" cupro nickel heat exchanger water flow
- Same water velocity through all tubes for faster heating
- Patented header by-pass design
- Reduction in pump run-time results in significant cost savings
- 2" x 2 1/2" CPVC union plumbing connections
- Forced draft system constantly moves air through the combustion chamber at a precise flow rate, eliminating the need for a high-wind stack
- Low NOx emissions - meets clean air quality standards

NOTE: Hayward Universal H-Series heaters meet or exceed the South Coast Air Quality Management District (SCAQMD Rule 1146.2) Low NOx emissions standards in all Low NOx areas that apply the SCAQMD standard.

Overall Dimensions (inches)



Specifications

SKU	Fuel Type	Heating Capacity (BTU/hr)	Voltage	Plumbing Connection	Product Dimensions	Thermal Efficiency	Ctn. Weight (lbs.)
H150FDN	Natural Gas	150,000	120/240 Volts	2" x 2 1/2" Union	24" x 19" x 29.5"	82.7%	150
H150FDP	Propane	150,000	120/240 Volts	2" x 2 1/2" Union	24" x 19" x 29.5"	82.7%	150
H200FDN	Natural Gas	200,000	120/240 Volts	2" x 2 1/2" Union	24" x 22" x 29.5"	83%	161
H200FDP	Propane	200,000	120/240 Volts	2" x 2 1/2" Union	24" x 22" x 29.5"	83%	161
H250FDN	Natural Gas	250,000	120/240 Volts	2" x 2 1/2" Union	24" x 25" x 29.5"	84%	171.30
H250FDP	Propane	250,000	120/240 Volts	2" x 2 1/2" Union	24" x 25" x 29.5"	84%	171.30
H400FDN	Natural Gas	400,000	120/240 Volts	2" x 2 1/2" Union	24" x 34" x 29.5"	84%	214
H400FDP	Propane	400,000	120/240 Volts	2" x 2 1/2" Union	24" x 34" x 29.5"	84%	214
H500FDN	Natural Gas	500,000	120/240 Volts	2" x 2 1/2" Union	24" x 40" x 29.5"	83%	237
H500FDP	Propane	500,000	120/240 Volts	2" x 2 1/2" Union	24" x 40" x 29.5"	83%	237

For replacement parts see page 386–387.

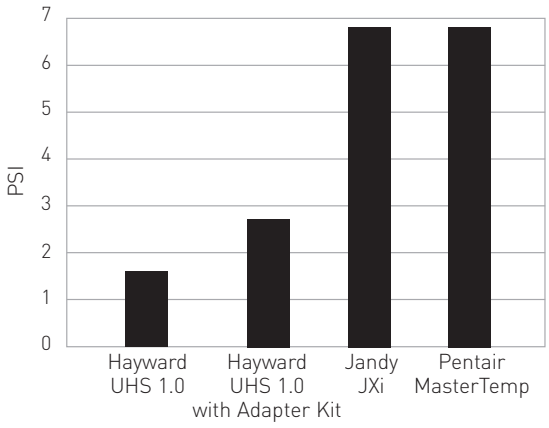
Adapter Kit

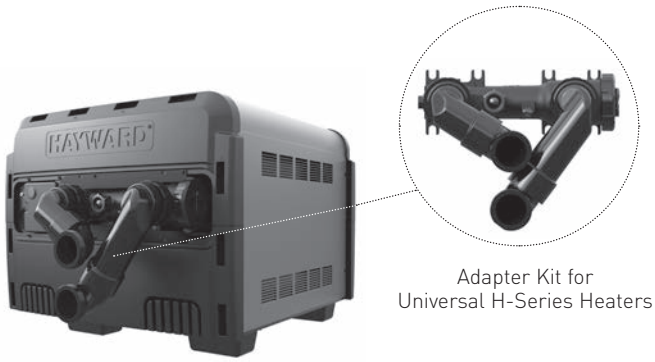
This one-a-kind Adapter Kit is the easiest way to replace Jandy® JXi™ or Pentair® MasterTemp® heaters with Hayward® Universal H-Series heaters. It eliminates the need for site re-plumbing of water piping attached to the equipment pad, saving both time and hassle. Hayward Universal H-Series heaters offer major energy and cost savings compared to other leading brands— and it's never been easier to upgrade from a Pentair or Jandy heater to a Universal H-Series heater than with this first-of-its-kind adapter kit. It eliminates the need for site re-plumbing of water piping attached to the equipment pad, saving both time and hassle.

UHXWJAK1930

Features and Benefits

- Convenient to install; just align, adapt, and connect
- Compatible with existing water plumbing, saving time and cost
- Greatly decreases heater pressure drop for better overall heating performance
- Innovative, low-profile configuration





Adapter Kit for Universal H-Series Heaters

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Specifications

SKU	Description	Ctn. Weight (lbs.)
UHXWJAK1930	Adapter Kit to replace Jandy JXi Heater with Universal H-Series Heater	4.20
UHXWPAK1930	Adapter Kit to replace Pentair MasterTemp Heater with Universal H-Series Heater	4.20

Universal H-Series Indoor Vent Kit Matrix

Indoor Vent Adapter Kits
HORIZONTAL Venting – POSITIVE Pressure

This Kit enables indoor installation where the exhaust vent pipe termina Universal H-Series Indoor Vent Kit Matrix tion is horizontal with stainless steel vent pipe and vent terminals special ordered from M&G DuraVent Inc., or from Heatfab Division of Selkirk Corporation. This Kit **DOES NOT** allow the use of galvanized, non-sealed pipe.

Universal H-Series Model No.	Kit Part Number: HORIZONTAL Venting Applications (POSITIVE Pressure)	Vent Pipe Diameter	Vent Termination Requirement	Vent Pipe Material	Vent Pipe Limitations	Description
H150FD	UHXPOSHZ11506	6 inch (Natural / LP)	HORIZONTAL or VERTICAL Termination Immediately Outside Wall of House / Building	Single or Double Wall STAINLESS STEEL SEALED Vent Pipe	(50) Foot MAXIMUM with (1) ELBOW	Indoor Vent Adapter Kit POSITIVE Pressure, HORIZONTAL or VERTICAL Venting Applications
H200FD	UHXPOSHZ12006					
H250FD	UHXPOSHZ12506	6 inch (LP)			(40) Foot MAXIMUM with (2) ELBOWS	
	UHXPOSHZ12504*	4 inch (Natural)				
H400FD	UHXPOSHZ14008	8 inch (LP)			(30) Foot MAXIMUM with (3) ELBOWS (horizontal or vertical)	
	UHXPOSHZ14006**	6 inch (Natural)				
H500FD	UHXPOSHZ15006**	6 inch (Natural / LP)				

*Kit must be accompanied by UHXHFA004 or UHXDVA004
**Kit must be accompanied by UHXHFA006 or UHXDVA006

Indoor Vent Adapter Kits
VERTICAL Venting – NEGATIVE Pressure

This Kit enables indoor installation where the exhaust vent pipe termination is required to be vertically terminated a minimum of 3 feet above the roof and a minimum of 2 feet above any portion of a building within 10 feet horizontally. This Kit **DOES NOT** allow horizontal vent termination.

Universal H-Series Model No.	Kit Part Number: VERTICAL Venting Applications (NEGATIVE Pressure)	Vent Pipe Diameter	Vent Termination Requirement	Vent Pipe Material	Vent Pipe Limitations	Description
H150FD	UHXNEGVT11506	6 inch (Natural / LP)	VERTICAL ONLY: Termination Above Roof of House / Building	Single or Double Wall Galvanized Steel Non-Sealed Vent Pipe	Installation per NFPA Code	Indoor Vent Adapter Kit NEGATIVE Pressure, VERTICAL Venting Applications
H200FD	UHXNEGVT12006					
H250FD	UHXNEGVT12506					
H400FD	UHXNEGVT14008	8 inch (Natural / LP)				
H500FD	UHXNEGVT15008					

Universal H-Series Indoor Vent Kit Matrix

Positive-Pressure (CATIII) Indoor Vent Kits with Vent Pipe and Terminal Specifications

Heater Model	Indoor Vent Kit Part Number	Maximum Installation Altitude (ft.)	Vent Pipe Dia. (in)	Appliance Adapter	Vent Pipe Type	Heatfab Saf-T Vent EZ Seal (CI Plus) or DuraVent FasNSeal (W2)		
						Vent Pipe Part Number	Horizontal Vent Terminal Part Number	Vertical Vent Terminal Part Number
150 200	UHXPOSHZ11506 UHXPOSHZ12006	10,100	6	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC
250	UHXPOSHZ12506	10,100	6	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 5690CI‡	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N CCE06WP‡	HeatfabP/N CCA06RC
250-FDN (NAT ONLY)	UHXPOSHZ12504	2,000	4	UHXDVA004 (4" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx04†	DuraVentP/N FSTT4	DuraVentP/N FSRC4
					Double-Wall	DuraVentP/N W2-x04†	DuraVentP/N FSTT4	DuraVentP/N W2-RC4
				UHXHFA004 (4" Heatfab adapter)	Single-Wall	HeatfabP/N 940x*	HeatfabP/N 9414TERM	HeatfabP/N 5400CI
					Double-Wall	HeatfabP/N CCA04Lx**	HeatfabP/N 9414TERM	HeatfabP/N CCA04RC
300 350 400	UHXPOSHZ13008 UHXPOSHZ13508 UHXPOSHZ14008	10,100	8	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 980x*	HeatfabP/N 5890CI‡	HeatfabP/N 5800CI
					Double-Wall	HeatfabP/N CCA08Lx**	HeatfabP/N CCE08WP‡	HeatfabP/N CCA08RC
400	UHXPOSHZ14006	2,000	6	UHXDVA006 (6" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx06†	DuraVentP/N FSTT6	DuraVentP/N FSRC6
					Double-Wall	DuraVentP/N W2-x06†	DuraVentP/N FSTT6	DuraVentP/N W2-RC6
				UHXHFA006 (6" Heatfab adapter)	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC
500	UHXPOSHZ15006	10,100	6	UHXDVA006 (6" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx06†	DuraVentP/N FSTT6	DuraVentP/N FSRC6
					Double-Wall	DuraVentP/N W2-x06†	DuraVentP/N FSTT6	DuraVentP/N W2-RC6
				UHXHFA006 (6" Heatfab adapter)	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC

*For Heatfab single-wall vent pipe section length,"x" should be: 1, 2, 4, 5, or 7, where 1=6 inches, 2=12 inches, 4=18 inches, 5=24 inches, and 7=36 inches.
**For Heatfab double-wall vent pipe section length,"x" should be: 06, 09, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.
†For DuraVent vent pipe section length,"x" should be: 6, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.
‡For these horizontal terminals, the wall penetration is included from the vent manufacturer. On all others, it must be ordered separately.

H-Series

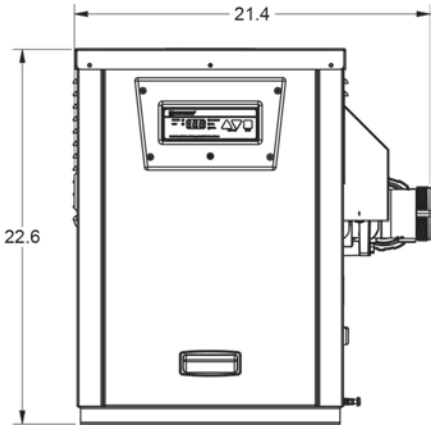
H135ID1

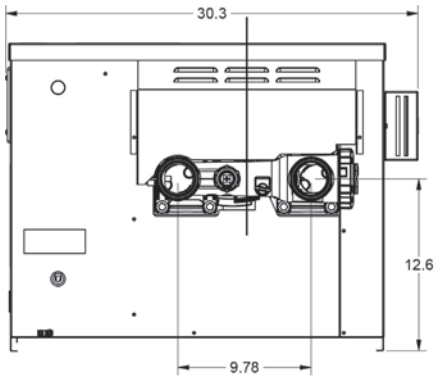
The H-Series 135,000 BTU heater for above-ground pools and spas combines leading technology with ease of operation and superior performance. Featuring a standard cupro nickel heat exchanger and an energy-efficient combustion chamber, the Hayward heater provides 135,000 BTU input. A forced-draft design makes this heater completely impervious to any high wind situations. The patented polymer header design provides superior hydraulic performance. And a simple plug-in 120 volt electric cord is provided for simple installation.

Features and Benefits

- 135,000 BTU input for above-ground pools and spas
- Standard Cupro nickel heat exchanger for greater durability in high flow or occasionally aggressive water chemistry conditions
- Electronic thermostat with easy to read LED digital display of temperature and diagnostics
- Forced draft combustion eliminates all outside weather variables such as high-wind conditions
- Meets the South Coast Air Quality Management District (SCAQMD Rule 1146.2) Low NOx emissions standards in all Low NOx areas that apply the SCAQMD standard
- Plug-in 120 volt electric cord (3 ft.) for easy installation

Overall Dimensions (inches)





Specifications

SKU	Fuel Type	Heating Capacity (BTU/hr)	Voltage	Plumbing Connection	Product Dimensions	Thermal Efficiency	Ctn. Weight (lbs.)
H135ID1	Natural Gas	135,000	120	2" x 2 1/2" Union	22.6" x 21.4" x 30.3"	82%	117.50
H135IDP1	Propane	135,000	120	2" x 2 1/2" Union	22.6" x 21.4" x 30.3"	82%	117.50

For replacement parts see pages 392–393.

Hayward electric spa heaters contain all of the sophisticated features and capabilities of heaters twice their size. The electric heaters fit into compact spaces — even under spa skirts or steps. Like all Hayward heaters, they are easy to install and service.

Features and Benefits

- 304 stainless steel tank and threaded head
- Safety sensor electric heating element
- Service-ease design gives simple access to internal controls
- Heater on indicator light
- UPS Shippable

CSPAXI11

Specifications

SKU	Kilowatts	Plumbing Connection	Voltage	Ctn. Weight (lbs.)
CSPAXI11	11	1-1/2" Socket & NPT(F)	220-240	12
CSPAXI55	5.50	1-1/2" Socket & NPT(F)	220-240	12

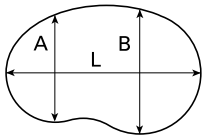
For replacement parts see pages 364–365.

Heater Selection Guide

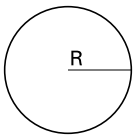
SELECTING THE CORRECT SIZE HEATER FOR POOLS AND SPAS

Pool Sizing

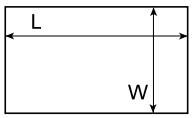
Determine your pool's surface area in square feet:



Area = (A+B)x L x .45



Area = R x R x 3.14



Area = L x W

Locate in the desired table below, the surface area equal to or just greater than the pool's surface area, read to the left and select the appropriate heater.

For indoor pool installations divide the pool's surface area by 3. Tables are based on a 30˚F temperature rise, 3 ½ MPH average wind velocity and elevation of up to 2,000 feet above sea level.

Recommended Gas Heater for Swimming Pools

Model	Surface Area
HDF275	825
HDF400	1200
H500FD	1500
H400FD	1200
H250FD	750
H200FD	600
H150FD	450

Example:
Rectangular pool: 25 ft. x 30 ft.:

25 x 30 = 750 ft.^{2} Surface Area

Recommended Universal H-Series Model Heater – H250FD

Saving Money by Saving Energy

Energy Efficient

Selecting a high efficiency heater for your new installation, or replacing an older inefficient model can have a significant impact on your fuel bill. Here are some additional energy saving tips.

- Check your pool chemistry regularly to maintain top operating condition.
- Set your pool water's temperature between 78° to 82° for most applications
- Use a pool cover or thermal blanket on your pool when it's not in use. Evaporation accounts for 70% of heat loss from your pool.
- Add wind breaks to your pool. A 7-mph wind at the surface of a pool can increase energy consumption 300%!

Recommended H-Series 135,000 BTU Models for Smaller Pools

Hayward H-Series Gas Heater will Raise Temperature in an 8 Hour Period as follows:

Temperature Rise in 8 Hours		
Pool Size	Gallons	H135 Temperature Rise °F
15' Round	5,300	20
18' Round	7,600	14
12' x 24' Rectangle	8,600	13
21' Round	10,000	11
24' Round	13,500	8
27' Round	17,000	6

We highly recommend that your Hayward Pool heater be used in conjunction with a solar blanket to maximize your heating efficiency.

Spa/Hot Tub Sizing

Determine your spa capacity in gallons (Surface area x average depth x 7 1/2).

The reference tables list the time required in minutes to raise the temperature of the spa/hot tub by 30˚F. Locate in the desired table below the spa/hot tub size in gallons equal to or just greater than the spa/hot tub size in gallons. Select the desired time to raise the spa/hot tub temperature 30˚F, read to the left and select the appropriate heater.

This guide can be adjusted for other temperature rises. For example, if you desire a 15˚F increase in temperature, simply divide the time for 30˚F rise by the ratio of 30/15 = 2.

Note: Heat losses and/or heat absorbed by spa walls or other objects will add to heat-up time.

Spa sizing is based on an insulated and covered spa. Always cover your spa or hot tub when not in use to minimize heat loss and evaporation.

Recommended Gas Heater for Spas/Hot Tubs

	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
Model	Time in minutes to Raise Spa/Tub Temperature 30˚F								
HDF275	13	20	26	33	40	47	53	60	66
HDF400	—	—	18	23	27	32	36	41	45
H500	—	—	—	18	22	25	29	32	35
H400	—	—	18	23	27	32	36	41	45
H250	15	22	29	36	43	51	58	65	72
H200	18	27	36	45	54	63	72	81	90
H150	24	36	48	60	72	84	96	108	120

Recommended H-Series 135,000 BTU Models for Spas/Hot Tubs

	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
Model	Time in minutes to Raise Spa/Tub Temperature 30˚F								
H135	27	40	53	67	80	94	107	121	134

Recommended CSpaXI Models for Spas/Hot Tubs

	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
Model	Time in minutes to Raise Spa/Tub Temperature 30˚F								
CSPAXI55	160	240	320	400	480	560	640	720	800
CSPAXI11	80	120	160	200	240	280	320	360	400

Example:

Want a 300 gallon spa to go from 70˚F to 100˚F in 120 minutes.

100˚F
subtract→ 70˚F
30˚F Requested Temperature Rise

Recommended CSPA Model Heater – CPAXI11

GAS SUPPLY AND PIPING: All GAS connections must be in conformance with all applicable local codes, regulations and the National Fuel Gas Code NFPA54/ANSIZ223-1 & ANSI/NFPA 58. To properly size the gas piping for the heater, refer to Tables 10, 11, 12, and 13, depending on natural or propane gas, and single-stage or 2-stage regulation. Follow local gas codes for proper gas line material selection (copper, iron, plastic, etc.). It is **VERY IMPORTANT** when installing a propane heater on a 2-stage regulation system, to follow the gas line sizing data in Tables 12 or 13 without exception.

Table 10. Natural Gas Pipe Sizing (dia. inch), Low-Pressure, Single-Stage Regulation

btu/hr input		135/150,000	200,000	250,000	300,000	350,000	400,000	500,000
Gas Line Material		Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe
Distance from Gas Meter to Gas Valve Inlet (ft.)	0 to 50	3/4"	1	1	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	50 to 100	1	1	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
	100 to 200	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	2
	200 to 300	1 1/4"	1 1/4"	1 1/2"	2	2	2	2

Based upon an inlet gas pressure of 0.5 psig or less at a pressure drop of 0.5 inwc

Table 11. Propane Gas Pipe Sizing (dia. inch), Low-Pressure, Single-Stage Regulation

btu/hr input		135/150,000		200,000		250,000		300,000		350,000		400,000		500,000	
Gas Line Material		Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing
Distance from Tank Regulator to Gas Valve Inlet (ft.)	0 to 50	3/4"	7/8"	3/4"	7/8"	1	1 1/8"	1	1 1/8"	1	1 1/8"	1	—	1	—
	50 to 100	3/4"	1 1/8"	1	1 1/8"	1	1 1/8"	1	—	1 1/4"	—	1 1/4"	—	1 1/4"	—
	100 to 200	1	1 1/8"	1	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/4"	—
	200 to 300	1	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/2"	—	1 1/2"	—

Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

Table 12. Natural Gas Pipe Sizing (dia. inch), High-Pressure, 2-Stage Regulation

btu/hr input			135/150,000	200,000	250,000	300,000	350,000	400,000	500,000
Gas Line Material			Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe
Distance of 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
		50 to 100	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
		100 to 150	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
	Second Stage**	0 to 10	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1

*Based upon an inlet gas pressure of 2 psig at a pressure drop of 1 psi
**Based upon an inlet gas pressure of 10 inwc at a pressure drop of 0.5 in-wc

Table 13. Propane Gas Pipe Sizing (dia. inch), High-Pressure, 2-Stage Regulation

btu/hr input			135/150,000		200,000		250,000		300,000		350,000		400,000		500,000	
Gas Line Material			Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing
Distance of 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
		50 to 100	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
		100 to 150	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
	Second Stage**	0 to 10	1/2"	5/8"	1/2"	5/8"	1/2"	3/4"	3/4"	3/4"	3/4"	7/8"	3/4"	7/8"	3/4"	1

*Based upon an inlet gas pressure of 10 psig at a pressure drop of 1 psi
**Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

Electric Supply: All electrical wiring must be in conformance with all applicable local codes, regulations and the National Electric Code (NEC), in particular NEC Article 680 & 440.

TracVac®

The Hayward TracVac is an in-ground, suction cleaner designed for maximum clean with minimal effort. The use of tracks provides improved operational efficiencies which allow the TracVac to overcome obstacles better than standard wheeled options. Don't be fooled, this cleaner is small but mighty. Its modest size allows the TracVac to navigate any pool surface with speed and agility and light-weight construction makes it easy to handle.

HSCTRACCU

Overall Dimensions (inches)

Features and Benefits

- Inground Pool Cleaner: TracVac suction pool cleaner is suitable for inground pools with various finishes, including concrete (guinite), fiberglass, vinyl, and tile
- Ease of Use: Using the water flow from your filtration system, the TracVac attaches to either a dedicated suction port or skimmer and is powered by your pool pump
- Powerful Performance: Designed with rugged tracks to effortlessly maneuver over drains, ensuring comprehensive coverage from the floor to the wall and accessing hard-to-reach areas
- Pool Size: Guarantees a thorough cleaning experience for pools up to 20 × 40 ft
- Tough, Yet Reliable: Long-lasting drive-train allows for limited service

NOTE: Includes Hayward TracVac Automatic Suction Pool Cleaner, adjustable hose, and essential accessories such as a hose float, regulator valve, hose cone adapter, flow gauge, hose clip, and regulator valve cap. VacLock Safety Fitting is sold separately

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Ctn. Weight (lbs.)
HSCTRACCU	Suction	38.83	White	Floor, Walls	Manual Start	up to 20 × 40	All	4-Wheel Drive	18

For replacement parts see pages 412–413.

The 2-and-4-Wheeled Suction PoolCleaner™ models all use your existing pump and filter for power. Simply plug them into your designated suction port or the skimmer. The 2-Wheel is ideal for most average sized pools whereas the 4-Wheel is best suited for larger pools.

Features and Benefits

- Self-Adjusting Turbine Vanes are flexible to allow easy passage of large debris yet durable to ensure maximum power at any flow
- Internal Steering System ensures full pool coverage and efficient cleaning
- Robust Tire Treads provide enhanced climbing ability and obstacle maneuverability
- Adaptable Roller Skirt allows the cleaner to maintain optimal suction even when encountering obstacles or on uneven surfaces
- Interchangeable throats for the optimization of suction performance at different flow rates and allow for larger debris passage

PVS20JST (left) and PVS40JST (right)

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
PBS20GST	Suction	33	Gray	Floor, Walls	up to 16 × 32	All	2-Wheel Drive	Fixed Vane Technology	16
PBS20JST	Suction	33	White	Floor, Walls	up to 16 × 32	All	2-Wheel Drive	Fixed Vane Technology	16
PBS40GST	Suction	40	Gray	Floor, Walls	up to 20 × 40	All	4-Wheel Drive	Fixed Vane Technology	19
PBS40JST	Suction	40	White	Floor, Walls	up to 20 × 40	All	4-Wheel Drive	Fixed Vane Technology	19

For replacement parts see pages 440–441.

R110 & R130

W3RCH411CU (left) and W3RCH431CU (right)

The R110 and R130 robotic vacuums are designed to effortlessly maintain both in-ground and above-ground pools. Crafted with cutting-edge features, these cleaners ensure a pristine clean every time.

Features and Benefits

- High-Speed Scrubber actively works to eliminate algae and bacteria
- Interchangeable Set of Filters allows you to swap between fine or ultra-fine debris collection
- Smart Navigation adapts its coverage to suit the layout of your pool, efficiently cleaning floors, walls, and waterline* while navigating around obstacles
- PowerStream Technology* uses jets to propel water from the cleaner creating better grip and maneuverability on walls
- Weekly Timer Feature with three settings to customize your cleaning schedule: once a day, every other day, or every three days
- Easy-to-Access Debris Basket can be effortlessly removed, emptied and rinsed
- Lightweight Design with a convenient handle for simple retrieval from your pool
- Tangle Resistant Cable provides uninterrupted cleaning, and easy retrieval. R130 includes swivel as an added safeguard

*R130 Model Only

Specifications

SKU	Cleaner Type	Cleaning Cycle	Cleaning Schedule	Traction System	Cord Length	Pool Coverage	Pool Size	Pool Surface	Ctn. Weight (lbs.)
W3RCH411CU	Robotic	2 hours	Programmable Weekly Schedule	Track	50	Floor, Walls	up to 16 × 32	All	25
W3RCH431CU	Robotic	2 hours	Programmable Weekly Schedule	Track	50	Floor, Walls, Waterline	up to 20 × 40	All	29

For replacement parts see pages 414–417.

Equipped with intelligent microprocessor-based technology, the TigerShark family is recognized for its superior performance in reliability and efficiency. TigerShark makes sure virtually every area of your pool gets that much cleaner, and fast! The TigerShark QC automatic robotic cleaner is no exception with a fast 90-minute Quick Clean cycle.

Features and Benefits

- All TigerShark models come with a standard 4-hour complete cleaning cycle for full floor, walls, coves and waterline
- Patented Quick Clean technology (TigerShark QC model) provides a fast 90 minute cycle
- On-board pump for intense vacuum power to suck up dirt and debris
- Unique cartridge filter system makes emptying easy, just open the cleaner, remove the cartridge and rinse with a hose
- No extra hoses, hookups, or pumps required
- Runs separately from the pool's filtration system reducing the frequency of filter backwash cycles

RC9950CUB

Specifications

SKU	Cleaner Type	Cleaning Cycle	Cleaning Schedule	Traction System	Cord Length	Pool Coverage	Pool Size	Pool Surface	Ctn. Weight (lbs.)
RC9950CUB	Robotic	4 hours	Manual Start	Track	55	Floor, Walls, Waterline	up to 20 × 40	All	42
RC9990CUB	Robotic	4 hours + 90 minute quick clean	Manual Start	Track	55	Floor, Walls, Waterline	up to 20 × 40	All	42

For replacement parts see pages 418–419.

SharkVac™ XL

RC9740WCCUB

SharkVac XL delivers a complete clean by scouring the floor, walls, coves and waterline in just three hours. This incredible robotic cleaner features high-quality components and advanced technology for maximum energy efficiency plus incredible ease of operation—no hoses, hookups or extra pumps required. SharkVac cleaners also run separately from the pool's filtration system, reducing filter backwash frequency to save both time and money.

Features and Benefits

- Uses smart steering technology that provides an efficient cleaning pattern; scouring pool floors, coves, walls, and waterline
- Top-access filter allows quick debris removal and easy cleanup
- 2 fine porosity filter elements - just remove and rinse with garden hose, no need to turn cleaner over to empty
- Does not require hoses or hookups, or additional pumps to operate
- Runs separately from the pool's filtration system reducing filter backwashing and water usage
- Out-of-water sensor protects the motor by preventing cleaners from running out of the water
- Beach-entry sensor reverses direction when pool cleaner starts climbing out of the water

Specifications

SKU	Cleaner Type	Caddy Included	Cleaning Cycle	Cleaning Schedule	Traction System	Cord Length	Pool Coverage	Pool Size	Pool Surface	Ctn. Weight (lbs.)
RC9740WCCUB	Robotic	false	3 hours	Manual Start	Track	55	Floor, Walls, Waterline	up to 20 × 40	All	48
RC9742WCCUBY	Robotic	true	3 hours	Manual Start	Track	55	Floor, Walls, Waterline	up to 20 × 40	All	54

For replacement parts see pages 420–421.

SharkVac robotic cleaners powerfully eliminate dirt and debris by cleaning pool floors and coves quickly and efficiently. This innovative cleaner features high-quality components and advanced technology for maximum energy efficiency plus incredible ease of operation—no hoses, hookups or extra pumps required. SharkVac cleaners also run separately from the pool's filtration system, reducing filter backwash frequency to save both time and money.

Features and Benefits

- Uses smart steering technology that provides an efficient cleaning pattern; scouring pool floors and coves
- Top-access filter allows quick debris removal and easy cleanup
- 2 fine porosity filter elements - just remove and rinse with garden hose, no need to turn cleaner over to empty
- Does not require hoses or hookups, or additional pumps to operate
- Runs separately from the pool's filtration system reducing filter backwashing and water usage

RC9740CUB

Specifications

SKU	Cleaner Type	Caddy Included	Cleaning Cycle	Cleaning Schedule	Traction System	Cord Length	Pool Coverage	Pool Size	Pool Surface	Ctn. Weight (lbs.)
RC9740CUB	Robotic	false	2 hours	Manual Start	Track	55	Floor, Walls, Waterline	up to 20 × 40	All	48
RC9742CUBY	Robotic	true	2 hours	Manual Start	Track	55	Floor, Walls, Waterline	up to 20 × 40	All	53

For replacement parts see pages 422–423.

Navigator® V-Flex™

HSC925CC

Navigator V-Flex suction cleaner features breakthrough new internal turbine, body and a-frame design, delivering more power and performance than ever. Equipped with patented V-Flex™ variable vane technology, it allows for larger debris pickup and maximizes suction power at lower flow, making it ideal for use with variable speed pumps. Patented SmartDrive® programmed steering delivers the most efficient cleaning path affording unparalleled pool coverage.

Features and Benefits

- Features self-adjusting variable vanes for easy handling of larger debris
- Energy-efficient design maximizes suction power at lower flow—ideal for use with variable-speed pumps
- Exclusive SmartDrive® steering system offers the best in intelligent, complete pool coverage, covering pool floor, walls* and coves.
- Wide vacuum inlet, unique wing and skirt designed for constant suction power and to pickup more debris faster
- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

NOTE: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
HSC925CC	Suction	40	Multi	Floor, Walls, Coves	N/A	up to 20 × 40	Concrete	Shoes	V-flex	18.20
HSC925CV	Suction	40	Multi	Floor, Walls, Coves	Manual Start	up to 20 × 40	Vinyl	Pods	V-flex	18

For replacement parts see pages 424–425.

Navigator Pro's exclusive SmartDrive® programmed steering moves the cleaner silently in a predetermined series of turns for more thorough cleaning of pool floor, walls* and coves. This automatic suction pool cleaner is powered by the existing filtration system where all debris are captured. In addition, pool owners don't have the expense of an energy-consuming booster pump. Getting that sparkling clean pool is easy and effortless with the Navigator Pro automatic suction pool cleaner.

Features and Benefits

- Over 30 years of unmatched, proven, and reliable suction cleaner performance
- Unique turbine-drive system for smooth, silent operation
- Exclusive SmartDrive® pre-programmed steering pattern offering the best in intelligent, complete pool coverage, covering pool floor, walls* and coves.
- Guides the hose as programmed steering maneuvers the cleaner around the pool, eliminating hose tangles
- Enhanced vacuum wings' and skirt designed for efficient debris pickup and constant suction power
- No pulsating hoses or noisy parts, for a peaceful pool environment
- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

NOTE: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.

925ADC

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
925ADC	Suction	40	Multi	Floor, Walls	N/A	up to 20 × 40	Concrete	Shoes	Fixed Vane Technology	18
925ADV	Suction	40	Multi	Floor, Walls	N/A	up to 20 × 40	Vinyl	Shoes	Fixed Vane Technology	19

For replacement parts see pages 426–427.

PoolVac™ V-Flex™

HSC2025CC

PoolVac V-Flex automatic suction pool cleaner delivers more power, reliability and performance than ever. Equipped with patented V-Flex variable vane turbine technology, PoolVac V-Flex can pick up larger dirt and debris more effectively than any other cleaner on the market for peace of mind of clog-free cleaning. It maximizes suction power even at lower flow-making it the perfect partner for use with variable speed pumps. Its unmatched patented AquaPilot® programmed steering determines the most efficient cleaning path around any pool and assists with cleaner maneuverability for the most reliable, complete pool coverage.

Features and Benefits

- Features self-adjusting variable vanes for easy handling of larger debris and virtually clog-free cleaning
- Energy-efficient design maximizes suction power at lower flow
- Ideal for use with variable-speed pumps
- Exclusive patented AquaPilot® pre-programmed steering pattern offers unparalleled, reliable pool coverage, covering floor, walls* and coves.
- Guides the hose as programmed steering maneuvers the cleaner around the pool, eliminating hose tangles
- Wide vacuum inlet, unique wing and skirt designed for constant suction power and to pickup more debris faster
- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

NOTE: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
HSC2025CC	Suction	40	Multi	Floor, Walls	N/A	up to 20 × 40	Concrete	Shoes	V-flex	20

For replacement parts see pages 428–429

PoolVac XL's exclusive AquaPilot® programmed steering moves the cleaner silently in a predetermined series of turns for more thorough cleaning. This automatic suction pool cleaner is powered by the existing filtration system where all debris are captured. In addition, pool owners don't have the expense of an energy-consuming booster pump. For the ultimate in easy, trouble-free operation, leave your pool cleaning to the most sophisticated automatic suction pool cleaner available, look no further than Hayward's PoolVac XL.

Features and Benefits

- Over 30 years unmatched proven and reliable suction cleaner performance
- Unique turbine-drive system for smooth, silent operation
- Exclusive AquaPilot® pre-programmed steering pattern offering the best in intelligent, complete pool coverage, covering pool floor, walls* and coves.
- Guides the hose as programmed steering maneuvers the cleaner around the pool, eliminating hose tangles
- Enhanced vacuum wings' and skirt designed for efficient debris pickup and constant suction power
- No pulsating hoses or noisy parts, for a peaceful pool environment
- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

NOTE: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.

2025ADC

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
2025ADC	Suction	40	Multi	Floor, Walls	N/A	up to 20 × 40	Concrete	Shoes	Fixed Vane Technology	20
2025ADV	Suction	40	Multi	Floor, Walls	N/A	up to 20 × 40	Vinyl	Shoes	Fixed Vane Technology	18

For replacement parts see pages 430–431.

AquaNaut® 250/450

PBS22CST (left) and PBS42CST (right)

The AquaNaut® Series of automatic suction pool cleaners were the first all-terrain, clog-eliminating suction cleaners on the market and they remain the best in their class. Available in two or four wheel drive models, AquaNaut is designed with patented technologies to deliver superior power, traction and balance for pools of different shapes, sizes, flow rates and debris types. They feature patented self-adjusting variable vanes known as V-Flex™ technology, which automatically adjust to allow for large debris to pass through the cleaner delivering maximum suction power at virtually any flow and providing a clog-free clean — covering pool floor, walls* and coves.

Features and Benefits

- Patented V-Flex variable vane turbine technology eliminates clogs and maximizes power at almost any flow.
- Perfect for use with variable-speed pool pumps.
- Patented high-traction tires with rugged treads provide superior climbing power and motion on all surfaces.
- Patented adjustable roller skirt maintains optimal suction on uneven surfaces.
- Multiple pre-programmed steering sequences ensure complete pool coverage.
- Three easily interchangeable throats improve debris passage and suction performance, making it ideal for use with variable-speed pool pumps.

NOTE: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
PBS22CST	Suction	32	Multi	Floor, Walls	N/A	up to 16 × 32	All	2-Wheel Drive	V-flex	20
PBS42CST	Suction	40	Multi	Floor, Walls	Manual Start	up to 20 × 40	All	4-Wheel Drive	V-flex	20

For replacement parts see pages 432–435.

Wanda The Whale®

In the tradition of the AquaBug, Wanda the Whale turbine cleaners are designed to clean the bottom of all sizes and shapes of above-ground or on-ground pools—automatically. They operate off the pool's existing filtration system and feature Hayward's exclusive SmartDrive® program steering so it won't miss a spot. Performance, price, and proven reliability make these cleaners the clear choice for automatic pool cleaners.

Features and Benefits

- Patented SmartDrive programmed steering system ensures the entire bottom of the pool is cleaned quickly and completely
- Installs in less than 10 minutes, without tools
- Unique turbine/gearing system provides constant balanced water flow assuring quiet operation and gentle movement across the pool bottom
- Improves water circulation by pulling water from the pool bottom as it moves
- Deluxe bumper ring minimizes friction for easy movement away from walls and resumption of the programmed steering pattern
- Includes 32 ft. of hose

W3900

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
W3900	Suction	32	Blue	Floor, Walls	Manual Start	up to 20 × 40	All	Shoes	Fixed Vane Technology	16.4

For replacement parts see pages 442–445.

Penguin

100

With smart cleaning power and integrated versatility, the Penguin will be your pool's new best friend! It's designed to clean the bottom of all sizes and shapes of above-ground/on-ground pools — automatically. Additionally, this small-but-powerful cleaner operates off the pool's existing filtration system and feature our exclusive SmartDrive® program steering so it won't miss a spot.

Features and Benefits

- Patented SmartDrive programmed steering system ensures the entire bottom of the pool is cleaned quickly and completely
- Installs in less than 10 minutes, without tools
- Unique turbine/gearing system provides constant balanced water flow assuring quiet operation and gentle movement across the pool bottom
- Improves water circulation by pulling water from the pool bottom as it moves
- Advanced, contoured head design allows the steering pattern to be completed in minimal time
- Deluxe bumper ring minimizes friction for easy movement away from walls and resumption of the programmed steering pattern
- Includes 32 ft. of hose*

NOTE: *A simple rule of thumb is to measure from the skimmer (or dedicated suction line) to the farthest point in the pool then add three (3) extra hose lengths

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
100	Suction	32	Black	Floor	Manual Start	up to 20 × 40	All	Shoes	Fixed Vane Technology	16

For replacement parts see pages 442–445.

With smart cleaning power and integrated versatility, the AquaBug will be your pool's new best friend! It's designed to clean the bottom of all sizes and shapes of above-ground/on-ground pools — automatically. Additionally, this small-but-powerful cleaner operates off the pool's existing filtration system and feature our exclusive SmartDrive® program steering so it won't miss a spot.

Features and Benefits

- Patented SmartDrive programmed steering system ensures the entire bottom of the pool is cleaned quickly and completely
- Installs in less than 10 minutes, without tools
- Unique turbine/gearing system provides constant balanced water flow assuring quiet operation and gentle movement across the pool bottom
- Improves water circulation by pulling water from the pool bottom as it moves
- Advanced, contoured head design allows the steering pattern to be completed in minimal time
- Deluxe bumper ring minimizes friction for easy movement away from walls and resumption of the programmed steering pattern
- Includes 32 ft. of hose*

NOTE: *A simple rule of thumb is to measure from the skimmer (or dedicated suction line) to the farthest point in the pool then add three (3) extra hose lengths

500

Specifications

SKU	Cleaner Type	Hose Length	Color	Pool Coverage	Cleaning Schedule	Pool Size	Pool Surface	Traction System	Turbine Type	Ctn. Weight (lbs.)
500	Suction	32	Red	Floor, Walls	Manual Start	up to 20 × 40	All	Shoes	Fixed Vane Technology	16

For replacement parts see pages 442–445.

PowerVac™ & SuperVac™

SP1067

The Hayward Power-Vac and Super-Vac family of suction vacuum cleaning heads are molded of tough, durable thermoplastic and are engineered to handle all sizes of vinyl and fiberglass swimming pools. The 360° swivel hose connector allows you to easily maneuver the vac head in the pool, while the "see-thru" head lets you view the bottom while cleaning. These deluxe vac heads are the industry standard.

Features and Benefits

- "See-thru" design for fast and easy cleaning
- Long-wearing brushes quickly loosen tough algae spots
- Contoured shape provides for easy corner and step cleaning
- 360° swivel connector ends aggravating hose tangling
- Optional weight package for extra vacuuming convenience*
- Supplied in professional point-of-sale packaging

- NOTE: *These weights are included with the Deluxe model

Specifications

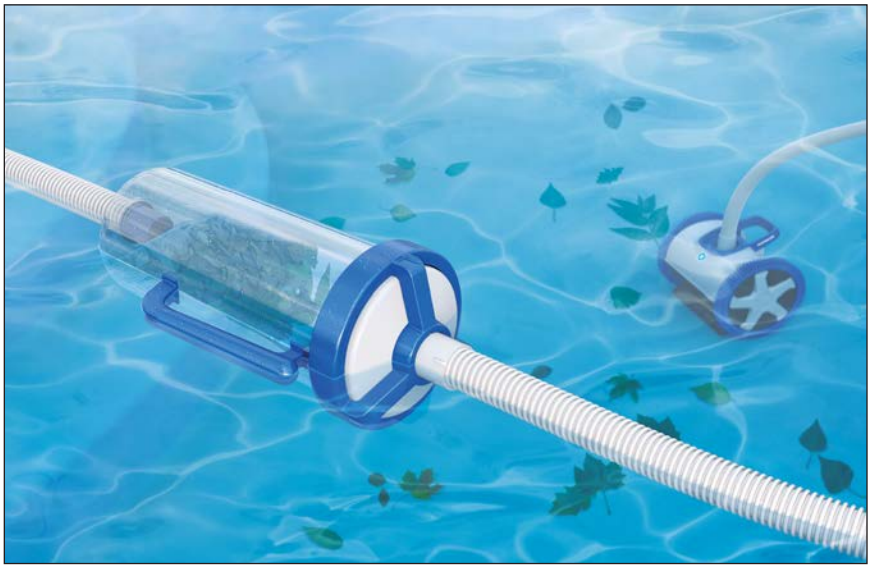
SKU	Description	Ctn. Weight (lbs.)
SP1067	12" Circular Vacuum Head, wrap-around brush (1-piece). 1 1/2" hose connection and Quick-snap handle connector	13
SP1068	See-thru Triangular Vacuum Head with 3 brushes, Quick-snap handle connector and 1 1/4" and 1 1/2" swivel hose connections included. Optional weights. For in-ground and above-ground applications.	29
SP1068DL	Deluxe Vacuum Head that includes the SP1068 package and three (3) 1/3 lb. weights	39
SP1068FA	1 lb. Weight Pak (3 1/3 lb. weights) for SP1068, SP1069	27

For replacement parts see page 448.

Ruggedly built, Hayward leaf/debris canisters are designed with the pool professional in mind. Choose the appropriate canister that fits your individual vacuuming applications.

Features

- Extra-large basket or bag traps leaves and debris before they reach the filter system
- Superior design ensures that water will always bypass debris and maintain proper water flow to pump
- Easy-open lid provides quick access to basket
- See-through body lets you see when basket needs cleaning



Specifications

Model Number	Description	Ctn. Qty.	Ctn. Weight
W560	Leaf canister*	6	19 lbs.
W530	Large capacity leaf canister with mesh bag	6	26 lbs.
W550	1 ½" adapter kit (for use with a W450 or W530 with manual vacuum cleaner)	10	1 lbs.

NOTES: To utilize leaf canisters with hand vacuums, one of the above adapter kits will be necessary.
*For use with any existing suction-side cleaner.

Specifications

Model Number	Description	Ctn. Qty.	Ctn. Weight
W400BBKP	VacLock Safety Wall Fitting, Black	10	2 lbs.
W400BWHP	VacLock Safety Wall Fitting, White	10	2 lbs.
W400BLGP	VacLock Safety Wall Fitting, Lt. Gray	10	2 lbs.

W560

W530

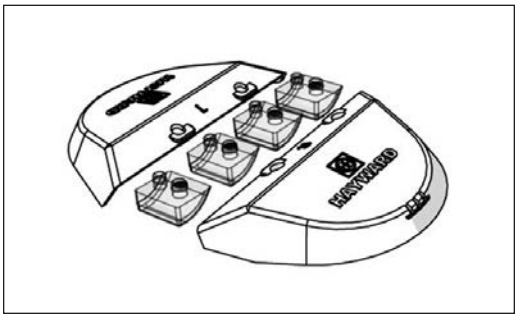
VacLock™ Safety Wall Fitting

For replacement parts see page 448

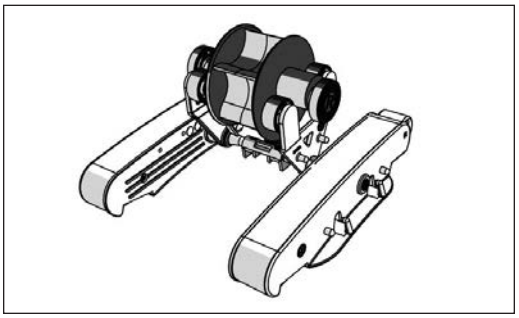
Accessories

Hayward has a variety of products designed to improve, enhance and maintain our automatic suction cleaner line. Most existing PoolVac and Navigator® cleaner models can be easily updated with the V-Flex™ upgrade kit. Once installed, the cleaners will be equipped with the latest patented internal turbine technology, V-Flex, along with a new body and A-frame design that delivers more power and performance than ever.

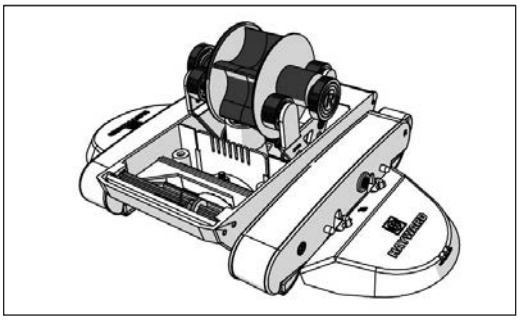
Patented V-Flex variable vane technology allows for larger debris pickup more than any other cleaner on the market and maximizes suction power at lower flow for energy-efficient results, perfect for use with variable-speed pumps. All components within the upgrade kit improve the performance of debris handling, energy-efficiency, all with fewer moving parts to maintain.



Wing and Shoe Maintenance Kit



A-Frame Turbine and Pod Tune Up Kit



Specifications

Part Number	Description
V-Flex Upgrade Kits	
VVX3000CKITWH	V-Flex Upgrade Kit – Concrete, White
VVX3000VKITWH	V-Flex Upgrade Kit – Vinyl, White
VVX3000SCKITWH	V-Flex Upgrade Kit Plus – Concrete, White
V-Flex Upgrade Kit Content	
• V-Flex Turbine Kit • Bearing Free A-Frame Kit and Retainer • Replacement Shoes	• Replacement Wings • Suction Inlet (Throat)
V-Flex Upgrade Kit Plus	
• V-Flex Turbine Kit • Bearing Free A-Frame Kit and Retainer • Replacement Shoes • Replacement Wings	• Suction Inlet (Throat) • Pod Kit • Front and Rear Flaps
V-Flex Complete Propulsion Kit	
AXV925CCWHT	V-Flex Propulsion/Wing Conversion Kit – Concrete, White

Model Number	Description	Ctn. Qty.	Ctn. Weight
Suction Cleaner Accessories			
V094P	In-line flow regulator valve	10	3 lbs.
V574P	In-line flow gauge	25	7 lbs.
V305P	PoolVac Classic™ and PoolVac Plus™ bumper (assists in steering clear of unusual objects)	25	4 lbs.
SP1048AVH	Suction outlet bumper. Keeps automatic cleaners from sticking to drain cover (for original Hayward 8" SP Series anti vortex drain covers only).	10	2 lbs.
Turbine Cleaner Tune-Up and Repair Kits			
AXV414604WHP	Wing and shoe maintenance kit	50	9 lbs.
AXV621417WHP	A-frame turbine and pod tune up kit	10	10 lbs.
AXV622604WHP	Propulsion and wings rebuild kit	1	3 lbs.
AXW321	Tune-up Kit, PoolVac (vinyl, old style), White	10	5 lbs.
AXW350	Tune-up Kit, PoolVac Plus or Navigator (concrete), White	10	5 lbs.
Poolvergnuegen Pool Cleaner Conversion Kits			
PVGXH792KIT	PoolCleaner 2-Wheel Next Gen Conversion Kit	1	2.2 lbs.
PVGXH808KIT	PoolCleaner 4-Wheel Next Gen Conversion Kit	1	4.7 lbs.
PVGXH884KIT	PoolCleaner 2-Wheel Limited Next Gen Conversion Kit	1	2.2 lbs.
PVGXH891KIT	PoolCleaner 4-Wheel Limited Next Gen Conversion Kit	1	4.7 lbs.

NOTE: AXW series tune up kits include a set of wings, shoes and flaps, a screwdriver and a cleaning brush.

Automatic Cleaner Hose Guide

Sizing Automatic Cleaner Hose Length/ Tips on Vacuum Requirements

To correctly size Hayward automatic cleaners, measure from the skimmer or Vac Lock to the farthest point in the pool. Add two hose lengths to provide sufficient mobility for the cleaner.
Example: A 16' × 32' rectangular pool will normally require 8-10 lengths of hose depending on depth and skimmer placement.

After the correct hose length is selected and automatic cleaner installed, use the in-line vacuum gauge to check for proper water flow and adjust to satisfy the formula below.

Proper Vacuum = 1" of vacuum × # of hose lengths

Example: A pool using 8 hose lengths requires 8" of vacuum for proper operation.
If the vacuum level is too high, adjust the filter system valving accordingly. In the absence of sufficient valving, use the optional in-line regulator valve.

Improper vacuum levels can prevent the cleaner from climbing vertical walls in gunite/ concrete pools or "sticking" at steps and corners. Maintaining proper vacuum also ensures efficient water flow through the throat for effective cleaning.

For complete installation information, refer to your Hayward automatic pool cleaner's installation manual.

The use of non-Hayward hoses is not recommended as it can greatly reduce the cleaner coverage, wall climbing capability and cleaning performance.

USE ONLY HAYWARD ORIGINAL HOSES AND PARTS

TracVac® Suction Cleaner

VacLock Safety Wall Fitting

AquaNaut 250 (left) and Navigator® V-Flex™ (right)

Specifications

Model Number	Description	Ctn. Qty.	Ctn. Weight
PoolVac® and Navigator®			
HSLHK110GRPK12	1M – Leader Hose 12 Pack, Gray* Replaces V532LG – V533LG	1	9 lbs.
HSCHK100GRPK12	1M – Connector Hose 12 Pack, Gray* Replaces V109LG – V130LG – V1032LG	1	9 lbs.
HSLCHK120GR	Hose Kit 1 Leader, 11 Connector 40'*, Gray Replaces V530LGP	1	9 lbs.
PoolVac V-Flex™ and Navigator V-Flex			
PVLHK110BKBPK12	1M – Leader Hose 12 Pack, Black and Blue*	1	9 lbs.
PVCHK100BKBPK12	1M – Connector Hose 12 Pack, Black and Blue*	1	9 lbs.
PVLCHK120BKBL	Hose Kit 1 Leader, 11 Connector 40'*, Black and Blue	1	9 lbs.
VacLock™			
W400BWHP	VacLock Safety Wall Fitting	10	20 lbs.
AquaNaut®, The PoolCleaner Limited Edition and TracVac™			
PVLHP1900GRPK10	1M – Leader Hose 10 Pack, Dark Gray*	1	9 lbs.
PVCHP1900GRPK10	1M – Connector Hose 10 Pack, Dark Gray*	1	9 lbs.
PVCHP1900GRPK24	1M – Connector Hose 24 Pack, Dark Gray*	1	13 lbs.
PVCHK1900GR	Hose Kit 1 Leader, 9 Connector 33'*, Dark Gray	1	9 lbs.
The PoolCleaner			
PVLHP1900WHPK10	1M – Leader Hose 10 Pack, White*	1	9 lbs.
PVCHP1900WHPK10	1M – Connector Hose 10 Pack, White*	1	9 lbs.
PVCHP1900WHPK24	1M – Connector Hose 24 Pack, White*	1	13 lbs.
PVCHK1900WH	Hose Kit 1 Leader, 9 Connector 33'*, White	1	9 lbs.

NOTES: *All hose lengths are approximate

Pool Cleaner – AquaNaut Hoses are not interchangeable with PoolVac, Navigator and ABG Hoses. Mixing hoses will result in poor performance of cleaner.

Omni® Smart Pool & Spa Control

OmniLogic® Premium New Construction
New, premium pools and spas. OmniLogic brings the most advanced automation for fully featured backyard control. To learn more about OmniLogic visit page 68.

OmniPL® Flexible New Construction
Unmatched value in automation for new and existing mid-range pools. To learn more about OmniPL visit page 69.

OmniHub® Aftermarket Controllers
Easy way to add after-market control, OmniHub delivers automation to new and existing entry-level pools. To learn more about OmniHub visit page 70.

Configuration Guide

1. Start with OmniLogic, OmniPL or OmniHub Panel

Control variable-speed pumps without additional relays. OmniLogic controls 16, OmniPL controls 8 and OmniHub controls 3.

Model Number	Description	OmniLogic	OmniPL	OmniHub
HLBASE	OmniLogic 4-Relay Base with App	✓		
HLPRO4W	OmniPL 4 Relay, with App		✓	
HLPRO4SW	OmniPL 4 Relay, Salt Ready, with App		✓	
HLPLUS4W	OmniPL 4 Relay, Salt Cell, with App		✓	
HLPRO4NW	OmniPL 4 Relay, No Subpanel, with App		✓	
HLPRO4NSW	OmniPL 4 Relay, No Subpanel, Salt Ready, with App		✓	
HLOMNIHUB	OmniHub wiring base unit, control pad, and smart relay, with App			✓

2. Optional System Expansion

OmniLogic expansion panel adds an additional system panel with the same capabilities as the base unit (HLEXPAND). I/O expansion panel plugs directly into base unit and provides 4 additional valve actuating relays, 4 additional low voltage relays, and 4 additional temperature sensors (HLIOEXPAND).

HLEXPAND	OmniLogic Expansion Panel	✓	No	No
HLIOEXPAND	IO Expansion Board (Valves)	✓	No	No

3. Optional Additional Controls

Ability to add additional multi module relays or single smart or standard relays to Hayward Omni Controls (see compatibility chart).

HLRELAYBANK	OmniLogic 4-Relay Module	✓	No	No
HLRELAY	OmniLogic 1-Relay Module	2	2	No
HLH485RELAY	Omni RS485 Smart Relay	2	2	3
LTSUY11300	SmartPower® 300W Wall Mount Transformer with 4 relays	✓	✓	✓
GVA-24	Actuator, 24 Volt	4 (up to 16*)	4	2
HLPMPCONV	OmniLogic Competitive VSP Converter Board	✓	✓	✓

4. Optional Remote Controls

Remotes include a wired or wireless with touch screens display. Website and apps are available for use on a smartphone or tablet.

HLWIRELESS	OmniLogic Wireless Waterproof Remote	✓	✓	✓
HLWALLMOUNT	OmniLogic Wall-Mount Remote	✓	✓	No
HLSPASIDE	OmniLogic Wired Spa Side Remote	✓	✓	✓
HLWLAN	OmniLogic Wireless Network Antenna	✓*	No	No

*For Omnis with Internal Displays

5. Optional Sanitization

Add Hayward Salt Plumbing Kit (P-KIT) and choose a TurboCell® based on the pool size. Sense & Dispense® also optional for fully integrated chemistry automation.

TCELLS340	TurboCell S3 Salt Cell for 40,000 gallons	✓	S Models	No
P-KIT	Hayward Salt Plumbing Kit	✓	✓	No
HL-CHEM	Sense & Dispense	✓	✓	✓
HLAQRPCB	AquaRite® Daughter Board for non S-series model AquaRites only	✓	✓	✓

NOTE: Mobile phone and tablet are not included with Omni products. OmniLogic shown with optional remotes.
*With expanded capabilities from HLIOEXPAND/HLEXPAND

Elite automation for fully featured new pool and spas. Enjoy the luxuries of full automation from the most intuitive app. Effortless upgrades allow you to always keep your backyard on the cutting edge.

Features and Benefits

- **Eliminate complexity:** With the most intuitive, icon-based user interface, set your controller to fit your preferences quickly and easily
- **Modular Expandability:** Equipped with 4 relays with flexibility to upgrade. Increase to 20 relays with HLRELAY, HLRELAYBANK and HLEXPAND
- **OmniDirect Mode™:** Pair ColorLogic® LED lighting and water features with Hayward automation to get additional color options, dimming control and more
- **Salt Compatibility:** Designed to be salt-ready and enables you to lower your salt level down to 800 ppm
- **Compatible with Sense & Dispense®:** Let OmniLogic keep your chemicals perfectly balanced
- **Pump Control:** Full control of up to 16 Variable Speed Pumps without using any relays
- **Automatic Cover Scale-Back Mode:** Automatically adjusts pump, chlorinator and heating settings for maximum efficiency when an electronic pool cover is closed
- **Compatible with Omni® Remotes:** HLWIRELESS, HLWALLMOUNT and HLSPASIDE
- **OmniLogic app:** Controlling your entire pool pad is easy, fast and intuitive. Set schedules or themes, monitor and make adjustments when desired
- **Effortless Voice Assisted Device Control:** Works with popular voice control systems like Amazon® Alexa®

HLBASE

Specifications

SKU	Description	Ctn. Weight (lbs.)
HLBASE	OmniLogic 4-Relay Base with App	63

OmniPL®

HLPLUS4W

Unmatched value in automation for new pools and spas. OmniPL leverages the OmniLogic® platform and easy-to-use app, where you can customize the level of smart control. Simplify pool ownership by integrating salt chlorination options with your automation.

Features and Benefits

- **Ease of Installation:** External control display equipped with 15-foot cord
- **Pump Control:** Full control of up to 8 Hayward Variable Speed Pumps without using any relays. Can also control competitive VS Pumps with HLPMPCONV
- **Modular Expandability:** Equipped with 4 relays with flexibility to upgrade. Increase to 6 relays with (2)-HLRELAY, increase to 8 relays with additional (2)-HLH485Relay
- **OmniDirect Mode™:** Supports ColorLogic® LED lighting with 20 added color options, 7 exclusive shows and precise control of dimming, speed and more
- **Salt Compatibility:** Select models are ready for salt once you add a Hayward salt cell (S models). Select models include a salt cell for pools up to 40,000 gallons (Plus models)
- **Compatible with Omni® Remotes:** HLWRELESS, HLWALLMOUNT and HLSPASIDE
- **Effortless Monitoring:** OmniLogic app allows you to monitor, set schedules and control your entire backyard at home or on the go (only available on W models)
- **Painless Voice Assisted Device Control:** Works with popular voice control systems like Amazon® Alexa® (only available on W models)

Specifications

SKU	Description	Ctn. Weight (lbs.)
HLPLUS4W	OmniPL 4 Relay, Salt Cell, with App; Replacement for PL-Plus, AQL2-BASE and AQ-CO-HOMENET	49
HLPRO4	OmniPL 4 Relay, without App	42.3
HLPRO4NSW	OmniPL 4 Relay, No Subpanel, Salt Ready, with App	42.3
HLPRO4NW	OmniPL 4 Relay, No Subpanel, with App	42.3
HLPRO4SW	OmniPL 4 Relay, Salt Ready, with App	42.3
HLPRO4W	OmniPL 4 Relay, with App	42.3

An affordable way to add smart pool control to nearly any pool, HLOMNIHUB is compatible with Hayward pool products and most pool equipment brands for entire pool and spa pad control. Access, manage, and schedule from anywhere on your smartphone with the OmniLogic® app, and integrate with popular voice activated devices including Amazon® Alexa®. Controls up to 3 Hayward Variable Speed Pumps without using a relay but includes the ability to add up to 2 additional Smart Relays for even more control including booster pumps, cleaner, backyard lighting, and water features. OmniDirect Mode™ supports ColorLogic® LED lighting with 20 added color options, 7 exclusive shows and precise control of dimming, speed and more. Utilizes a simple upgrade to AquaRite® Salt Chlorination system, for both new and existing installations.

HLOMNIHUB

Features and Benefits

- Includes wiring base unit, control pad and 1 smart relay
- External touch display for easy configuration and programming
- Fully programmable, automatic control of every output
- 1 high-voltage relay upgradeable to 3
- Controls 2 valves for Pool and Spa, Solar Heating, or Water Features
- 50 Configurable Favorites Buttons
- 25 Unique Programmable Themes
- Salt Chlorination compatible with AquaRite daughterboard
- Built in WiFi/App Connectivity
- Web-enabled for app and voice assistant control

Specifications

SKU	Description	Ctn. Weight (lbs.)
HLOMNIHUB	OmniHub Smart Pool and Spa Control	13

Omni® Accessories

HLH485RELAY

The Hayward Omni family of Accessories combines the most advanced automation for fully-featured backyard control with unmatched value for new and existing entry-level or mid-range pools.

Features and Benefits

- Configuration Guide
- Start with OmniLogic, OmniPL or OmniHub Panel Control variable-speed pumps without additional relays; OmniLogic controls 16, OmniPL controls 8 and OmniHub controls 3
- Optional System Expansion: OmniLogic expansion panel adds an additional system panel with the same capabilities as the base unit (HLEXPAND)
- I/O expansion panel plugs directly into base unit and provides 4 additional valve actuating relays, 4 additional low voltage relays, and 4 additional temperature sensors (HLIOEXPAND)
- Optional Additional Control: Ability to add additional multi module relays or single smart or standard relays to Hayward Omni Controls (see compatibility chart)
- Optional Remote Controls: Remotes include a wired or wireless with touch screens display. Website and apps are available for use on a smartphone or tablet
- Optional Sanitization: Add Hayward Salt Plumbing Kit (P-KIT) and choose a TurboCell® based on the pool size. Sense & Dispense® also optional for fully integrated chemistry automation

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQL2-BASE-RF	Wireless Antenna	0.9
HLAQRPCB	Omni Daughter Board for existing AquaRite installations	1.1
HLEXPAND	OmniLogic Expansion Panel	34
HLH485RELAY	Omni RS485 Smart Relay	4
HLIOEXPAND	IO Expansion Board (Valves)	1
HLPCBBOX	Omni Converter J-Box	1
HLPMPCONV	OmniLogic Competitive VSP Converter Board	3
HLRELAY	OmniLogic 1-Relay Module	2
HLRELAYBANK	OmniLogic 4-Relay Module	3
HLWLAN	OmniLogic Wireless Network Antenna	2
HLX-EXP-DSP	OmniLogic Expansion Panel Display	1
P-KIT	Salt Plumbing Kit	2

From intuitive, elegant wireless remotes to practical, built-in touchpads, Hayward® offers a variety of options to control OmniLogic®, OmniPL® and OmniHub® systems inside, outside, spaside—or even from the middle of the water. Convenient options for complete pool, spa and backyard control.

Omni Wireless Remote Features

- Wireless, waterproof, buoyant design
- Connects to home Wi-Fi® networks
- Battery life of up to two days

Omni Wall-Mount Control Features

- Wired, full-function wall-mount control
- For indoor or protected outdoor use

Omni Wired Spaside Touchpad and Mud Box Features

- Wired, 6-button spaside control
- Ideal addition to spa builds or renovations
- Customizable touchpad offers control of spa features including temperature, spa mode, lights, jets, blower, and themes
- Low-profile design allows for flush installation against spa surfaces or tile line
- Fully potted design provides protection from the elements

HLMUDBOX

Specifications

SKU	Description	Ctn. Weight (lbs.)
HLMUDBOX	OmniLogic Spaside Mudbox	1
HLSPASIDE	OmniLogic Wired Spa Side Remote	4
HLWALLMOUNT	OmniLogic Wall Mount Remote	1
HLWIRELESS	OmniLogic Wireless Waterproof Remote	2

OmniPL® Retrofit Kit

HLPROUPG

The OmniPL Retrofit Kit is the best way to give new life to an existing automation system, bringing full-featured Omni functionality to a wide array of ProLogic®, AquaPlus®, AquaLogic® or E-Command® controls—with installation in an hour or less.

Features and Benefits

- External relocatable touchscreen control display equipped with 15-foot cord
- Full control of up to 8 Hayward Variable Speed Pumps without using any relays. Can also control competitive VS Pumps with HLPMPCONV
- Equipped with 4 relays with flexibility to upgrade. Increase to 6 relays with (2)-HLRELAY, increase to 8 relays with additional (2)-HLH485Relay
- Optimized for use with Omni automation systems, providing more control than ever. Easily alternate the colors for up to four zones of lighting from one transformer
- Supports ColorLogic® LED lighting with 20 added color options, 7 exclusive shows and precise control of dimming, speed and more (when paired with select ColorLogic models manufactured after January 2018)
- Your upgrade is ready for salt once you add a Hayward Salt Cell
- Compatible with Omni® Remotes: HLWRELESS, HLWALLMOUNT and HLSPASIDE
- OmniLogic app allows you to monitor, set schedules and control your entire backyard at home or on the go
- Effortless Voice Assisted Device Control. Works with popular voice control systems like Amazon® Alexa®

NOTE: *The retrofit kit is not compatible with any ProLogic or AquaLogic legacy wireless, wall mount, desktop, or spaside remote controls.

Specifications

SKU	Description	Ctn. Weight (lbs.)
HLPROUPG	ProLogic to OmniPL Upgrade Kit	10.2

Introducing the OmniX Retrofit Kit designed to convert your existing Hayward® TriStar® XE Series, Super Pump® XE Series, or MaxFlo® XE Series multi-speed pump into a true variable-speed pump controlled by the OmniX app.

Features and Benefits

- Easy to install on your existing Hayward XE Series pump
- Retrofit kit enables built-in automation via simple and intuitive wireless connectivity for complete control via your phone
- OmniX enabled equipment connects compatible OmniX devices seamlessly without a centralized controller
- Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- Retrofit kit supports these Hayward XE Series pump model numbers:
  - » TriStar XE Series: SP3215X20XE, SP3210X15XE, SP3207X10XE
  - » Super Pump XE Series: SP2615X20XE, SP2610X15XE
  - » MaxFlo XE Series: SP2315X20XE, SP2310X15XE

VSPOMNIX (left) and W3GATEWAYX1 (right)

The OmniX Gateway gives you the option to take control of your OmniX enabled pool equipment from anywhere. With remote access to the OmniX app, you can easily manage and monitor your system, making it a valuable tool for both pool owners and service professionals.

Features and Benefits

- Optional in-home Gateway connects pool equipment to your home network
- Enables away-from-home control and monitoring
- Powerful sub-GHz link provides robust connectivity

Specifications

SKU	Description	Ctn. Weight (lbs.)
VSPOMNIX	OmniX Module 400/600/800 VSP	5.2
W3GATEWAYX1	OmniX Gateway	7.2

Valve Actuators

GVA-24

The industry standard configuration of the GVA-24 means that it is compatible with all major manufacturer's valves and pool automation systems. The unique cam setting feature ensures a quick and easy installation with the precise control of water flow.

For the installers' convenience, kits that combine the GVA-24 valve actuator with 3-port valves are available. For solar heating installations, solar kits are available that combine a valve actuator, 3-port valve, and temperature sensor.

Features and Benefits

- Industry standard configuration, use with any valves
- Operates 2-port or 3-port valves
- Easy to adjust cams
- Allows actuator to be in mounted in any position
- Up to 180 degree rotation with 12.8 degree increments
- Manual Switch
- Mounted underneath actuator to minimize tampering
- ON1-OFF-ON2
- Allows manual rotation in the event of a power outage
- Highest torque rating available
- 20 ft. cable with industry standard plug
- UL and CUL Listed

Specifications

SKU	Description	Ctn. Weight (lbs.)
GVA-24	Valve actuator, 24V, .75A, 15 ft. cable	40
HL485SPAKIT	Two valve accuators and smart relay	11.3

AquaSolar – Total Solar Control System with dual digital display of pool water, solar collector and auxiliary sensor temperatures plus full system diagnostic LEDs. Single-dial adjustment lets pool owners set desired pool temperature effortlessly. Other user-customizable features include selectable high limit (from 70°F to 140°F), programmable recirculation freeze protection and nocturnal cooling.

AquaSolar TC – AquaSolar Time Clock model provides all the capabilities of the AquaSolar plus an integral time clock for 24-hour control of the pool's main pump and filtration system. The time clock is programmable in 15-minute increments and can have multiple on/off times. There's also an exclusive solar override feature that maximizes solar gain while minimizing electricity usage. AquaSolar GL-235 is designed for easy and dependable operation. Its microprocessor-based technology ensures reliable and accurate performance.

Features and Benefits

- Automatically maximizes solar heat collection by actuating a 24V valve when there is solar heat available
- Digital display
- LED indicators show status of system operations
- Automatic switching (selectable) from solar pool heating to nocturnal pool cooling
- Single-setting adjustment for desired pool/spa temperature
- Recirculation freeze protection
- Installer-programmable features for any-system adaptability
- Quick, accurate, easy-to-set desired temperature controls
- Easy to read, understand and operate

AQ-SOL-LV

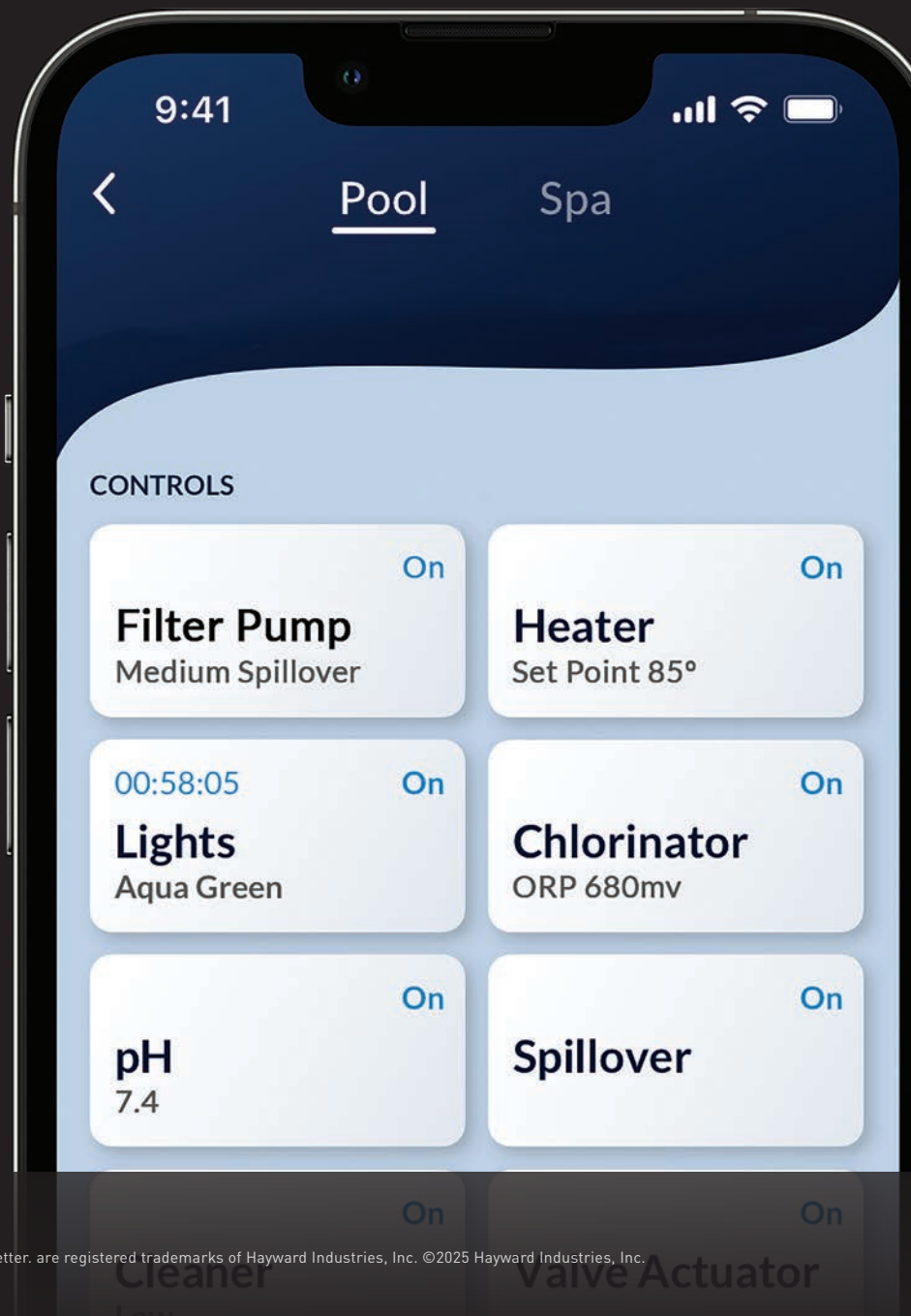
Specifications

SKU	Description	Ctn. Weight (lbs.)
AQ-SOL-LV	AquaSolar with LV output	20
AQ-SOL-LV-TC	AquaSolar with LV and HV output, timeclock, and 3 H.P. relay	13
GL-235	AquaSolar pool control, 12/24VAC and 120/240VAC output	5
GLC-1P-A	Solar Pool Control System with GL-235, 1.5" Valve	8.7
GLC-2P-A	Solar Pool Control System with GL-235, 2" Valve	8.7
PC	Sensor - Pool combo (can be used as drill-in/insolation)	21.65
SB	Sensor - Bolt onto surface or strap onto pipe	20.8

SIMPLE IS BETTER.

The OmniLogic® app connects everything in the pool and backyard and controls it all with a tap, click or voice command. Plus, with the same intuitive interface for every Omni® automation system and more than 1,000 5-star reviews on app stores, OmniLogic is just as simple to love as it is to use.

THE HIGHEST-RATED POOL CONTROL APP.



OMNILOGIC APP

Scan the QR code to learn more about Better Automation

HAYWARD®
We Build Better.®

Mobile phone is not included with Omni automation systems.

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ProLogic®/OmniPL® Replacement Comparison

Use the chart below to select the OmniPL replacement for ProLogic model that matches your system requirements.

Feature	P-4	HLPRO4W	PS-4/8	HLPRO4SW	HLBASE	Comments
Variable Speed Pump control	**2/8**	**8**	**2/8**	**8**	**16**	**Omnis up to 8/16 VSP pumps full speed control no relays P4/PS4 2 multi speed/up to 6 as single speed**
Auxiliary relay outputs	**4**	**4-8***	**4 or 8**	**4-8***	**4-20***	**3HP, 120/240VAC *upgradeable with HLRelay, HLRelaybank and HLH485Relay**
Gas heater/heat pump control	**1**	**3**	**2***	**3**	**4-8****	**controls up to X heat sources, Omnis controls heat/cool**
Valve control	**3**	**4**	**4***	**4**	**4-16****	**24VAC, purchase GVA-24 valve actuators separately *using 2nd heater disables 4th valve output **using HLIOEXPAND and HLEXPAND**
Salt Chlorination	✓	**No**	✓	✓	✓	**Choose a 40K, 25K or 15K cell; plumbing kit required (includes flow switch and unions)**
Color Light Control	**No**	**Full**	**No**	**Full**	**Full**	**P4/PS4 manual color light control, Omnis control for Hayward (OmniDirect if available), Pentair and Jandy color lights**
Apple/Google Apps	**Optional**	✓	**Optional**	✓	✓	**apps for Apple/Android phones/tablets to control pool/spa**
Built-in subpanel	125A	125A	125A	125A	125A	8 position tub, accepts 125A feeds, derated per NEC to 100A
Knockouts of optional GFI outlet	1	1	1	1	1	side of enclosure, GFI outlet not included
Relocatable touch screen display	No	✓	No	✓	✓	Omnis have 15 ft relocatable display, all units allows programming at pool equipment pad
Themes/Groups/Macros	1	25	2	25	25	perform multiple functions with one button
Favorites/Soft Keys	0	50	0	50	50	additional keys for assigning functions
AquaRite® control	✓	✓	✓	✓	✓	controls 1 or more AquaRites for additional chlorination, Omnis require HLAQRPCB
Shared equipment for pool and spa	✓	✓	✓	✓	✓	operates pool/spa suction and return valves, allows spillover
Dual equipment for pool and spa	No	✓	✓	✓	✓	P4/PS4/8 solar function not available with dual equipment
Dual equipment with shared heater	No	✓	✓	✓	✓	controls a single heater to heat both pool and spa
Bodies of Water Supported	2	4	2	4	4	Omnis can control from your basic pool to 2 pools/2 spas on the same controller
Pool filter pump timer	4	24	4	24	24	programmable on/off periods per day
Spa pump timer	2	24	2	24	24	2 periods per day, spa has priority over all other functions
Manual on with countdown timer	✓	✓	✓	✓	✓	P4/PS4 5 minutes to 21 hours, Omnis 1 min to 24 hours
Freeze protection	✓	✓	✓	✓	✓	disable or enable with adjustable threshold 33-42°F
Auxiliary Relay functions						
Programmable names	None	Custom	Pre named	Custom	Custom	pre named examples: "spa jets", "blower", "water feature", etc.
Manual on/off	✓	✓	✓	✓	✓	turn any relay powered equipment on and off manually
Countdown timer (egg timer)	✓	✓	✓	✓	✓	manual on, automatically turns off after programmed elapsed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar boost pump	✓	✓	✓	✓	✓	turns on when solar heat is available
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	enable/disable, output off when filter pump off or in spa-only mode
Valve output functions						
Manual on/off	No	✓	✓	✓	✓	manual on/off control of all relays
Default on speeds	No	✓	✓	✓	✓	turn on specific speeds for water features
Countdown timer (egg timer)	No	✓	✓	✓	✓	manual on, automatically turns off after programmed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar	✓	✓	✓	✓	✓	turns on when solar heat is available
In-floor cleaner	30/30	Custom	30/30	Custom	Custom	30 minutes in one position, 30 minutes in the other, Omnis custom
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	P4/PS4 to filter pump or spa mode, omni custom scenarios for interlocks
Gas heater/heatpump control						
Separate settings for pool and spa	✓	✓	✓	✓	✓	65-104°F, with off position, Omni custom min/max
Heater cooldown	✓	✓	✓	✓	✓	enable/disable, runs filter pump for 5 minutes after heater turns off
Heating and Cooling Control		✓		✓	✓	Operate Hayward Cooling Down to 40C (model dependent)
Heater extend	✓	✓	✓	✓	✓	enable/disable, extends normal filter time if pool is not up to temperature
Manual off-automatic button	No	✓	✓	✓	✓	manual on/off of all valves
Solar control built in	✓	✓	✓	✓	✓	enable/disable, 65-104°F, separate pool and spa settings
Additional Accessory Control						
Sense and Dispense®	✓	✓	✓	✓	✓	chemistry automation
AquaPod® 2.0/HLWireless	Pod Buttons	Wireless Touch	Pod Buttons	Wireless Touch	Wireless Touch	waterproof, hand held rechargeable remote control
Wired wall remote display/keypad						P4/PS4 wired button remote, Omnis touchscreen remote
Wired spaside remote	✓	✓	✓	✓	✓	6 functions, waterproof
Wireless antenna	Option	Built In	Option	Built In	Built In	P4/PS4 required for remotes, Omnis included in base
OmniDirect Light Controls	No	✓	No	✓	✓	20 colors, direct to color, dimming and show speed change
Home Automation Integration	No	Included	Optional $	Included	Included	free integration with most top home automation companies
Apple and Google Apps	Optional $	Included	Optional $	Included	Included	industries best pool and spa control app
Apple Watch Controls	No	Included	No	Included	Included	control your pool and spa with your Apple watch
Amazon Alexa	No	✓	No	✓	✓	use voice control to check on and control your pool and spa

*Replacement for PL-P-4: HLPRO4W (No Salt with Web); Replacement for PL-PS-4: HLPRO4SW (Salt with Web); Replacement for PL-PS-8: HLBASE + HLRELAYBANK (Salt with Web)

HydraPure®

HYDRAPURE

Pure, clean water is at the heart of every enjoyable pool experience. And now is easier than ever to achieve with HydraPure all-in-one UV and ozone solution that puts AOP to work for you. The HydraPure pool water sanitizer keeps your pool sparkling clear and free from harmful bacteria and algae. It's a powerful, eco-friendly addition to chlorine and salt/chlorine generator systems.

Features and Benefits

- UV eliminates harmful chlorine-resistant microorganisms by breaking down the body of the bacteria or virus
- Ozone oxidizes and destroys organic compounds including odor creating Chloramines
- Advanced Oxidation Process (AOP) combines UV and ozone to form hydroxyl radicals. Together these sanitizers destroy chlorine-resistant bacteria and viruses.
- Operates at flow rates as low as 10gpm, making it the perfect partner for modern variable–speed pumps
- Less chlorine maintenance – UV and Ozone reduce the amount of traditional or salt chlorine required for effective sanitization
- Easy to operate and maintain. No monitoring or adjusting with easy to view notification lights
- Easy to install lid rotates in any direction for clear visibility of the user interface
- Ability to operate up to 120gpm without a bypass

Specifications

SKU	Description	Ctn. Weight (lbs.)
HYDRAPURE	HydraPure UV, Ozone & AOP System, Field Wireable, 10 ft.	47

For replacement parts see page 411.

AquaRite S3 Omni takes salt sanitization to the next level, combining industry-leading performance with fully integrated pool and spa automation. With S3 Omni, you gain full control of your backyard experience via the intuitive OmniLogic® app, or voice control devices. Manage ColorLogic® lighting with OmniDirect Mode™, or monitor water chemistry with optional pH and ORP sensing. Expand anytime with smart relays, WiFi, acid feed systems, and more.

Features and Benefits

- LCD color display for built-in control of chlorine levels, heater and variable-speed pump*
- Clear TurboCell salt cell for easy inspection
- Operates over a broad range of salt levels, 800-8000ppm
- Pool cover detect capabilities
- Auto voltage select for easier installation
- Full control of virtually any pool or spa feature via the external control panel, OmniLogic app, or voice control devices**
- Valve ports to automatically switch to spa mode (GVA-24 automatic actuators sold separately)
- ColorLogic lighting control with OmniDirect Mode™
- pH and ORP sensing capabilities (probes sold separately)
- Expand at any time with easy-to-add accessories from smart relays, pH sensing, WiFi connectivity and more
- Configurable for future upgrades
- Control and set schedules for 3x variable-speed pumps, 2x heaters, and/or 2 high power relays
- Capable of controlling an acid feed tank

NOTE: *Single-speed pump control via Smart Relay, HLH485RELAY, sold separately
**Voice control devices are not included

AQRS3250MNI

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQRS3250MNI	AquaRite S3 Omni Salt System 25,000 gallon	24
AQRS3400MNI	AquaRite S3 Omni Salt System 40,000 gallon	24
AQRS3OMNIKIT	AquaRite S3 Omni Upgrade Kit	3.60

For replacement parts see pages 405–411.

AquaRite® S3

AQRS315

AquaRite S3 delivers the next generation of salt sanitization, operating across the industry's widest salt range to ensure consistent chlorine management while reducing maintenance and minimizing salt consumption. With built-in control capabilities, it also effortlessly manages pump and heater functions. AquaRite S3 is more than a chlorinator, it's advanced sanitization and automation that scales with any pool.

Features and Benefits

- LCD color display for built-in control of chlorine levels, heater and variable-speed pump*
- Clear TurboCell® salt cell for easy inspection
- Operates over a broad range of salt levels, 800-8000ppm
- Pool cover detect capabilities
- Auto voltage select for easier installation
- Easy upgrade path to Omni® controls via AQRS3OMNIKIT

NOTE: *Single-speed pump control via Smart Relay, HLH485RELAY, sold separately

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQRS315	AquaRite S3 Salt System 15,000 gallon	22.10
AQRS325	AquaRite S3 Salt System 25,000 gallon	22.10
AQRS340	AquaRite S3 Salt System 40,000 gallon	22.10

For replacement parts see pages 407 and 410.

AquaRite Salt Chlorination Systems automatically convert salt into chlorine for sanitized pool water. Experience softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade.

Features and Benefits

- Automatically converts salt into chlorine, 2400-3400ppm
- Softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade
- Simple homeowner operation
- Adjust chlorine output from 0-100%
- NSF certified for chlorine delivery rates
- Easy to understand digital display
- Automatic cell cleaning using reverse polarity technology
- Superchlorinate function
- Single unit for 120VAC/240VAC 50/60Hz input
- Weatherproof enclosure and connections
- ETL safety certified

AQR3

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQR3	AquaRite with 15,000 gallon TurboCell	23.5
AQR925	AquaRite 900 with 25,000 gallon Extended Life TurboCell	19.8
AQR940	AquaRite 900 with 40,000 gallon Extended Life TurboCell	19.8

For replacement parts see pages 408 and 410.

AquaRite® 100

AQR100

Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade. Compatible with existing equipment and able to cut chlorine costs, luxurious salt chlorination has never been more budget friendly.

Features and Benefits

- Automatically converts salt into chlorine, 1500-4500ppm
- Softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade
- Weatherproof control unit ensures optimal performance in all conditions
- Advanced dispensing capability operates at flow rates as low as 20-25gpm
- LED lights indicate current system operation status
- Intuitive control panel located behind flip-down door
- Wide-ranging salt production levels are capable of operating between 1500 and 4500ppm
- Cell cap provides an insulated cable connection to control box
- Nut assembly and versatile piping allow for easy installation in existing pools
- Clear vessel and replaceable cartridge provide hassle-free inspection and simple replacement

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQR100	AquaRite 100 Salt Chlorinator with Cell	22

For replacement parts see pages 408 and 410.

TurboCell Salt Cells are the heart of Hayward's salt chlorine generating systems. Give any pool the best in natural sanitization and softness. Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade.

Features and Benefits

- Clear salt cell for easy inspection, less scaling with lower headloss than traditional TurboCell (S3 models)
- Available in three sizes – 40,000, 25,000 and 15,000 gallons
- Automatically generates a self-renewing supply of chlorine to save over conventional chlorine
- NSF certified for chlorine output
- With other replacement cells, you get what you pay for: Lower quality, shorter life, non-certification. Generic cells are not safety certified for use with Hayward salt chlorinators
- Live in an arid or tropical climate? You may need a larger cell. Consider using the next size up or multiple cells for challenging climates
- For use with AquaRite, AquaTrol®, AquaRite® S3, OmniPL®, or Omni systems

NOTE: Before using any Hayward chlorinator for commercial applications, check local and state codes for requirements. Combining multiple units is possible to achieve the requisite chlorine delivery rate

TCELLS315

Specifications

SKU	Description	Ctn. Weight (lbs.)
TCELLS315	TurboCell S3 Salt Cell, 15,000 gallons	4.20
TCELLS318	TurboCell S3 Salt Cell for AquaTrol, 18,000 gallons	4.20
TCELLS325	TurboCell S3 Salt Cell, 25,000 gallons	4.20
TCELLS340	TurboCell S3 Salt Cell, 40,000 gallons	4.20
TCELLS340X25	TurboCell S3 Salt Cell for 40,000 gallons, 25ft. Cord	5

For replacement parts see page 410.

TurboCell®

T-CELL-3

TurboCell Salt Cells are the heart of Hayward's salt chlorine generating systems. Give any pool the best in natural sanitization and softness. Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade.

Features and Benefits

- Available in three sizes – 40,000, 25,000 and 15,000 gallons
- Automatically generates a self-renewing supply of chlorine to save over conventional chlorine
- NSF certified for chlorine output
- With other replacement cells, you get what you pay for: Lower quality, shorter life, non-certification. Generic cells are not safety certified for use with Hayward® salt chlorinators
- Live in an arid or tropical climate? You may need a larger cell. Consider using the next size up or multiple cells for challenging climates
- For use with AquaRite®, AquaTrol®, ProLogic®, or Omni Systems

NOTE: Before using any Hayward chlorinator for commercial applications, check local and state codes for requirements. Combining multiple units is possible to achieve the requisite chlorine delivery rate

Specifications

SKU	Description	Ctn. Weight (lbs.)
T-CELL-3	TurboCell Salt Cell for 15,000 gallons	4.40
TCELL925	Extended Life TurboCell, up to 25,000 gallons	4.40
TCELL940	TurboCell Extended Life Salt Cell, 40,000 gallons	4.40
TCELL94025	TurboCell Extended Life Salt Cell, 40,000 gallons, 25ft. Cord	5.40
TCELL94025W	TurboCell Salt Cell, 40,000 gallons, 25ft. Cord	5.40

For replacement parts see page 410.

With CCELL you can naturally convert dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade. Compatible with existing equipment and able to cut chlorine costs, luxurious salt chlorination has never been more budget friendly.

Features and Benefits

- Wide-ranging salt production levels are capable of operating between 1500 and 4500ppm
- Cell cap provides an insulated cable connection to control box
- Nut assembly and versatile piping allow for easy installation in existing pools
- Salt cell produces more pure available chlorine than other comparable systems
- Replacement cartridge installs in clear vessel for simple replacement and visibility
- Beware of imitators: Other salt chlorination cells may talk a good game, but what they don't say will cost you. With other replacement cells, you get what you pay for: lower quality, shorter life, non-certification. Generic cells are not safety certified for use with Hayward salt chlorinators.

CCELL

Specifications

SKU	Description	Ctn. Weight (lbs.)
CCELL	Salt Chlorination Cell	8.40

For replacement parts see page 410.

Salt & Swim®

SAS-ABG

Salt & Swim is an automatic chlorine generation system for Above Ground pool sanitization. This revolutionary system requires only a low concentration of salt (sodium chloride) to be present in the pool water, compared to other systems. Your pool is automatically sanitized by converting that salt into free chlorine which kills bacteria and algae in the water. Once complete, any remaining chlorine will revert back to sodium chloride which allows the cycle to repeat and virtually eliminates the need to add sanitizing chemicals to your pool.

Features and Benefits

- Can handle most residential swimming pools up to 23,000 gallons (87,000 liters)
- Uses a replaceable electrolytic cell designed to produce 155 lbs. of 100% available chlorine over its lifetime
- SAS-ABG model offers a standard blade type 120V linecord for power and PVC adapters for return jet mounting
- SAS-ABG-TL model offers a twist lock type 120V linecord for power and PVC adapters for return jet mounting

NOTE: Actual amount of chlorination required to properly sanitize a pool varies due to bather load, rainfall, temperature, and the pool's cleanliness.

Specifications

SKU	Description	Ctn. Weight (lbs.)
SAS-ABG	Salt & Swim ABG 23,000 gallons (outlet plug has straight blades)	18

For replacement parts see page 407.

Automate water chemistry with our integrated Sense and Dispense option. Sense and Dispense automatically senses chlorine and pH levels and dispenses chlorine via a salt chlorination system or a liquid chlorine feed tank, and controls pH.

Features and Benefits

- Balance water chemistry when paired with Omni-compatible salt cells and pH Dispense
- Extend salt cell life by optimizing chlorine production
- Remote monitoring when integrated through Omni Controls
- Supports Salt Cells up to 40,000 gallons

AQL-CHEM2

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQL-CHEM2	pH Dispense, 120V Solenoid Valve for CO_2	20
HL-CHEM	Chemistry Kit, pH and ORP Sense, ORP Dispense	6

For replacement parts see page 408.

Chemical Feed Pumps

AQL-CHEM4-ACID

Sense and Dispense automatically senses chlorine and pH levels and dispenses chlorine via a salt chlorination system or a liquid chlorine feed tank, and controls pH delivering the most consistent water quality possible.

Features and Benefits

- Continuously senses sanitization and pH levels and dynamically dispenses what the water needs
- Uses salt chlorination to deliver fresh chlorine when needed
- Dispenses Carbon Dioxide (CO_2) or Muriatic Acid to control pH

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQL-CHEM4-ACID	pH Dispense, Acid Feed System, 120V	25.50
AQL-CHEM4-CHLOR	ORP Dispense, Liquid Chlorine Feed System, 120V	25.50

The AquaTrol Salt Chlorine Generator is designed specifically for above-ground pools up to 18,000 gallons. The AquaTrol has an integral time clock for control of the pool filtration pump. Since many above ground pools already have a single electrical outlet for the filter pump, this intuitive chlorinator is designed with an outlet (timer controlled) for the filter pump to plug into. Once joined, the AquaTrol then plugs into the original outlet the filter pump was using.

Features and Benefits

- Quick and easy installation
- Silky, soft water that won't irritate eyes, dry out skin or cause fabrics to fade
- Digital salt display and 7 diagnostic indicators
- Superchlorinate function
- 24 hour timer for filter pump control allows for multiple pump periods per day
- Program the integrated timer in increments as small as 15 minutes for the ultimate control
- Manual switch (ON-Auto-OFF)
- Microprocessor automates all functions
- Includes TurboCell Salt Cell (T-CELL-5)
- Compatible with replacement salt cells: GLX-CELL-5, T-CELL-5, TCELLS318
- ETL Listed
- "RJ" models mount the cell directly to the return jet (on the outside of the pool)
- "HP" models include fittings for hose connections or 2" PVC pipe*

NOTE: *Uses standard adapters not supplied for 1 1/2" pipe

AQ-TROL-HP

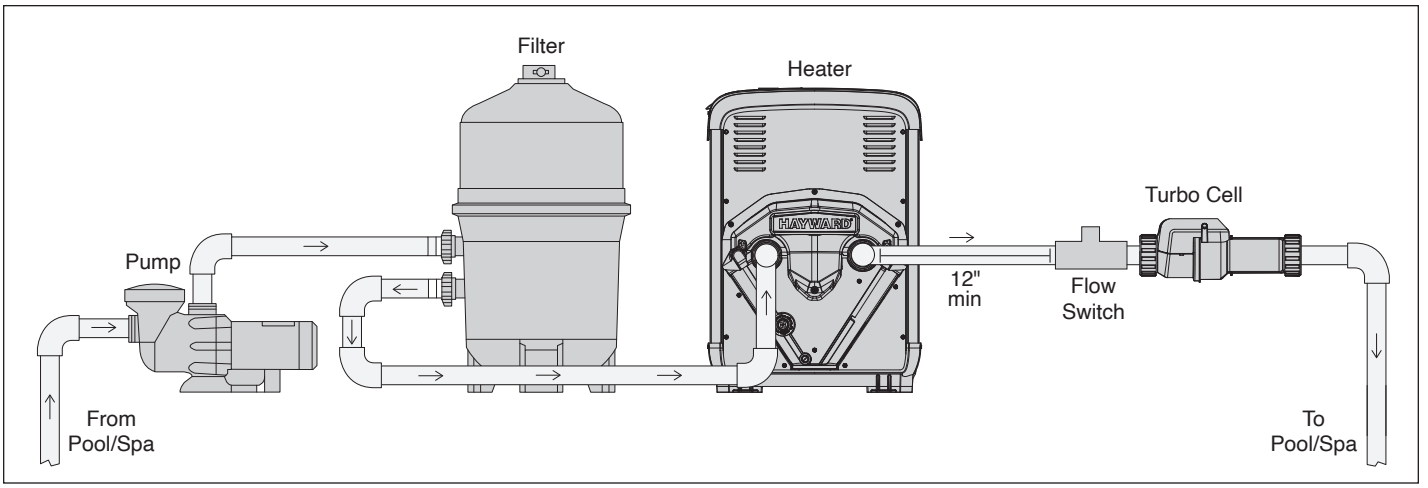
Specifications

SKU	Description	Ctn. Weight (lbs.)
AQ-TROL-HP	AquaTrol with hose/pipe fittings, "straight blade" line cord and outlet	25
AQ-TROL-HP-TL	AquaTrol with hose/pipe fittings, twist lock line cord and outlet	25
AQ-TROL-RJ	AquaTrol with Return jet fittings, "straight blade" line cord and outlet	23.8
AQ-TROL-RJ-TL	AquaTrol with Return jet fittings, twist lock line cord and outlet	24.2

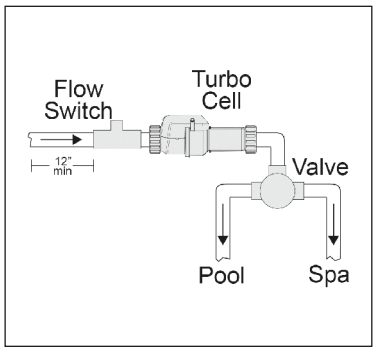
For replacement parts see page 408.

Chlorinator Cell

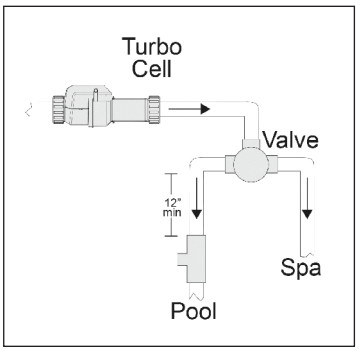
Install the cell and flow switch down stream of all existing equipment, but prior to the pool/spa return valve. The flow switch can be located immediately downstream from the cell (as shown) or can be installed with 12" of straight pipe directly before the mounting tee (option 1 below). For stand-alone installations on pool/spa systems, refer to options 2 or 3 in order to avoid possible over chlorination of the spa. For 2-speed or variable speed pumps and systems with low flow rates, refer to option 4 to ensure complete coverage of the cell electrodes during operation. Note that the chlorinator cell can be mounted in any orientation.



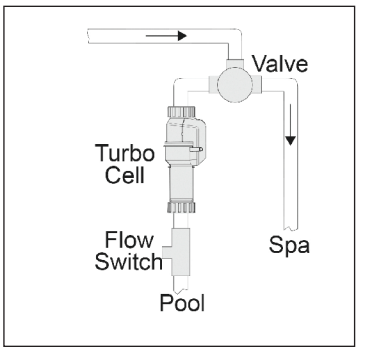
Chlorinator Cell



Optional Configuration #1

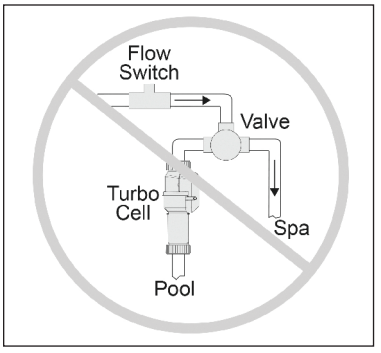


Optional Configuration #2



Optional Configuration #3

PREFERRED INSTALLATION WITH 2-SPEED AND V.S. PUMPS AND SYSTEMS WITH LOW FLOW RATES



Optional Configuration #4

Hayward Salt Chlorine Generators all produce their own chlorine from a low concentration of salt dissolved into the pool water to create 100% of the pool's sanitizing needs.

Will the pool water taste salty?

No. The concentration of salt in the pool water is approximately 1/10 of the level in the ocean and is below the level of taste for most people. This level of salt is equivalent to 1 teaspoon of salt in a gallon of water.

Types of salt

Salt chlorine generators use ordinary food grade, solar salt or water softener salt. Regardless of which type of salt you chose ensure that it is at least 99% pure salt (NaCl). Never use rock salt (ice melt) or salts that have more than 1% of "anti-caking agents", "yellow prussiate of soda", or "sodium ferrocyanide" added as these compounds may cause staining of the pool. Salt is available from most distributors in 40-80 pound bags.

Amount of salt to add to the pool

Hayward salt chlorine generation systems require salt levels between 2700 and 3400ppm. Note: Refer to individual Hayward model capabilities to operate at lower levels, covering a wider salt range of 800-8000ppm. This amount of salt is below the level of taste for most people and is the equivalent of 1 teaspoon of salt per gallon. Since all chlorine added to a pool eventually reverts to salt, it is very important to measure the salt level in existing pools before adding any salt.

How to use this table

1. Locate current salt level (ex. 1400ppm)
2. Locate pool size (ex. 24,000 gallons)
3. Find intersection of these two values to determine pounds of salt needed to raise water to 3200ppm salt (ex. 360 lbs. of salt).

How to add salt

After determining the amount of salt to add from the table below, hold 1 or 2 bags in reserve. Dump the remaining bags directly into the pool and brush the salt around to speed up the dissolving process. Do not allow the salt to sit in a pile at the bottom of the pool. Salt water is heavier than fresh water so the salt water will tend to accumulate at the deepest part of the pool. Run the filter system with the suction coming from the main drain for 24 hours to evenly distribute the salt throughout the pool. Note: For new plaster pools, consult with the applicator for the recommended cure time before adding salt.

Salt Display

The salt display responds slowly to rapid changes in salt level. It takes up to 24 hours of circulation for the salt to be evenly distributed in the pool. Be patient and do not over-react by adding too much salt. If the salt level is still low after 24-48 hours, add the reserve bags (see "How to add salt" above) to the pool.

Pounds of Salt Required for 3200ppm

Current Salt Level (ppm)	Pool Size – Gallons																
	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000	38,000	40,000
0	213	267	320	373	427	480	533	587	**640**	693	747	800	853	907	960	1013	1067
200	200	250	300	350	400	450	500	550	**600**	650	700	750	800	850	900	950	1000
400	187	233	280	327	373	420	467	513	**560**	607	653	700	747	793	840	887	933
600	173	217	260	303	347	390	433	477	**520**	563	607	650	693	737	780	823	867
800	160	200	240	280	320	360	400	440	**480**	520	560	600	640	680	720	760	800
1000	147	183	220	257	293	330	367	403	**440**	477	513	550	587	623	660	697	733
1200	133	167	200	233	267	300	333	367	**400**	433	467	500	533	567	600	633	667
1400	**120**	**150**	**180**	**210**	**240**	**270**	**300**	**330**	**360**	390	420	450	480	510	540	570	600
1600	107	133	160	187	213	240	267	293	320	347	373	400	427	453	480	507	533
1800	93	117	140	163	187	210	233	257	280	303	327	350	373	397	420	443	467
2000	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
2200	67	83	100	117	133	150	167	183	200	217	233	250	267	283	300	317	333
2400	53	67	80	93	107	120	133	147	160	173	187	200	213	227	240	253	267
2600	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
2800	27	33	40	47	53	60	67	73	80	87	93	100	107	113	120	127	133
3000	13	17	20	23	27	30	33	37	40	43	47	50	53	57	60	63	67
3200	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal
3400	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok

Pool Chemistry

It is important to maintain salt and stabilizer levels in order to prevent scaling and to maximize system effectiveness. Test the water periodically and use standard pool industry procedures to adjust levels.

Salt 2700 to 3400ppm

Check monthly using an independent salt test. The higher end of the salt level range lets the salt chlorine generator produce more chlorine. The salt chlorine generator will indicate when the salt level drops below 2700ppm and it will stop operating if the salt drops to 2300ppm or below.* The alarms/indicators for the AQR S3 are configurable and the high/low alarms can be set to any value between 1200–8000ppm, and the system will shut off at 800ppm and 8000ppm. On most pools, the salt level tends to slowly drift downward as fresh water is added to the pool (rain or makeup water for splash-out, back-washing etc.). A good procedure is to add enough salt to be near the top of the range. Add stabilizer (see below) at the same time. Although 2700–3400ppm is the desired range, **AquaRite S3 Salt Chlorination System operates over a broad range of salt levels, 800–8000ppm.**

Stabilizer 30 to 50ppm

Check monthly. Stabilizer is also known as conditioner, cyanuric acid, or isocyanuric acid. Refer to local codes regarding its use. Stabilizer helps maintain the chlorine residual in the pool by protecting it from the UV rays of the sun. Without stabilizer, the salt chlorine generator would have to produce much more chlorine in order to keep the desired residual level in the pool. This can reduce the life of the cell. Add enough stabilizer to be near the top end of the range at the same time you add salt.

Chlorine

Ideally, all of the chlorine in the pool should be "free chlorine" and there should be zero "combined chlorine." "Free chlorine" means that it is not attached to any contaminants in the pool and is ready to attack any algae or bacteria that it comes in contact with. Note that test kits using the OTO method (yellow color) only test total chlorine and can not differentiate between "free" and "combined". DPD test kits (red color) do allow for the testing of both total chlorine and "free chlorine".

pH determines Chlorine effectiveness

The recommended pH range is 7.2 to 7.8. If the pool's pH rises above the top end of the range, the sanitizing effectiveness of the chlorine can be greatly reduced. For example: The chlorine in a pool with the pH at 7.2 is approximately ten times more effective than the same amount of chlorine in a pool with the pH at 8.2.

Why is water chemistry important?

Continuous filtration, cleaning and sanitization are not enough — balancing pH (potential hydrogen) is vital. Chlorination should keep germs and algae at bay but when pH is unbalanced, it can't do its job. Let the pH drop too low and the water becomes acidic and attacks anything it touches. When pH drifts up, the water becomes alkaline and creates an environment where mineral deposits (scale) can form. Furthermore, when pH is high, chlorine becomes less effective at its primary task — killing bacteria and algae.

ORP (oxidation reduction potential) measures the oxidizing capacity in water. It is a proven measurement and maintenance technology mandated for commercial pool sanitization. Unlike most home-test processes, ORP is not fooled by the effects of pH, TDS (total dissolved solids) and other factors. Most home-test kits and strips only report free chlorine and other less effective forms of chlorine. Only ORP can deliver further detailed analysis of the more important free chlorine. It differentiates free chlorine's components HOCl (hypochlorous acid) and OCl- (hypochlorite ion). OCl- is a slow-acting sanitizer, and HOCl is up to 300 times more effective. ORP targets HOCl, a more fine-tuned measurement of the effectiveness of chlorine and water quality.

Studies have reported on the relationship between ORP and chlorine's activity with germs and bacteria. They've concluded that ORP significantly predicts water bacterial quality better than other methods. As a result, in most states, the highly regulated commercial pool industry requires ORP testing.

What is balanced water?

Water balance is composed of several key factors — pH, total alkalinity, calcium hardness and TDS. All of these factors are important, but none more so than pH. pH is a measurement of the concentration of hydrogen ions in water. It is measured using a logarithmic scale from 0 to 14, with pH 7 being neutral.

For pool water to be in balance, all factors must be in their proper range. That range may vary slightly depending on the finish of the pool and the average temperature of the pool water. The one value that never changes is pH. It must be maintained between 7.2 and 7.8 for a pool to be considered "balanced."

TurboCell® Right-sized salt chlorination

Hayward TurboCells come in three sizes – 40,000, 25,000, 18,000 and 15,000 gallons. The new sizes enable you to right-size your pool for the most-efficient and cost-effective chlorination possible. These cells are based on the proven TurboCell technology. They automatically generate a self-renewing supply of fresh, pure chlorine — for water that's clean, clear and luxuriously soft.

Live in an arid climate?

You may need a larger cell. Contact your local pool professional for more information on right-sizing pools in arid climates.

NOTE: *Refer to individual Hayward model capabilities to operate at lower levels, covering a wider salt range of 800–8000ppm.

WATER QUALITY PARAMETER	IDEAL LEVELS
Salt	**2700 to 3400ppm**
Free Chlorine	1.0 to 3.0ppm
pH	7.2 to 7.8
Cyanuric Acid (Stabilizer)	**30 to 50ppm***
Total Alkalinity	80 to 120ppm
Calcium Hardness	200 to 400ppm
Metals	0ppm
Saturation Index	–0.2 to 0.2 (optimal)

NOTE: *Should be lower or even 0 for indoor pools. Follow guidance of a local pool professional.

SUPERIOR SALT CHLORINATION WITH BUILT-IN POOL CONTROL.

When you install AquaRite® S3, the possibilities—like the salt chlorination—are virtually endless. With its built-in control, AquaRite S3 effortlessly manages chlorine levels and the settings for a pump and heater. Even better, an easy upgrade to Omni® delivers total wireless control for just about any pool and spa feature. Now that's a smart solution.

THE #1 BRAND IN SALT WATER POOLS.

hayward.com/aquariteS3

EXPERT LINE® | NOT SOLD ONLINE | 3+ YEAR PARTS & LABOR WARRANTIES*

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HAYWARD®
We Build Better.®

Universal ColorLogic® 2.0

LPCUS22030 (left) and LSCUS22030 (right)

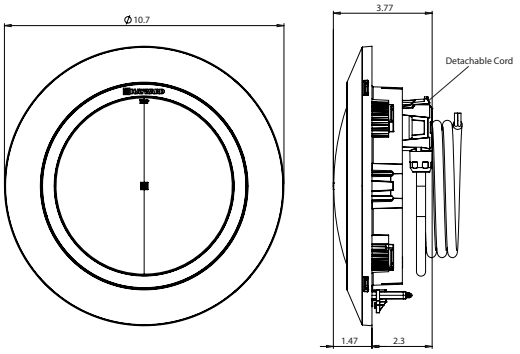
With our Universal ColorLogic 2.0 LED Lights, pool owners can choose from 10 solid colors and 7 dynamic, color-changing light shows to set the perfect theme for any occasion. Plus, when integrated with Hayward Omni® Automation Systems, Universal ColorLogic 2.0 offers 10 additional colors and advanced features such as enhanced navigation, dimming, and speed control. Discover how Hayward's pool and spa lighting can transform any backyard environment into an oasis of color.

Features and Benefits

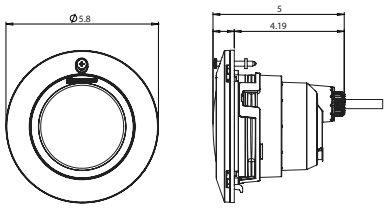
- LED pool and spa lights UL listed for safe installation in virtually any manufacturers' niche
- Detachable cord for ease of installation and service*
- Targeted light distribution prevents glare from above while also enhancing the distance of the light, creating a uniformly illuminated environment*
- Easily adjust to angled niches using the rotatable mounting flange*
- Industry-first adjustable lower catch simplifies installation with the ability to overcome variations in plaster thickness*
- White, gray, and stainless steel trim options available for pool lights
- White and stainless steel trim options available for spa lights

NOTE: *Available on pool lights only

Overall Dimensions (inches)



LED Pool Light



LED Spa Light

Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
LPCUS22030	Pools	RGBW / Color	53.2	300	30 ft.	3000	12-15V	Thermoplastic	1	8.6
LPCUS22050	Pools	RGBW / Color	54	300	50 ft.	3000	12-15V	Thermoplastic	1	10.1
LPCUS22100	Pools	RGBW / Color	53.2	300	100 ft.	3000	12-15V	Thermoplastic	1	13.9
LPCUS22150	Pools	RGBW / Color	54	300	150 ft.	3000	12-15V	Thermoplastic	1	23.5
LSCUS22030	Spas	RGBW / Color	35	100	30 ft.	1100	12-15V	Thermoplastic	1	7
LSCUS22050	Spas	RGBW / Color	35	100	50 ft.	1100	12-15V	Thermoplastic	1	8
LSCUS22100	Spas	RGBW / Color	35	100	100 ft.	1100	12-15V	Thermoplastic	1	12
LSCUS22150	Spas	RGBW / Color	35	100	150 ft.	1100	12-15V	Thermoplastic	1	28

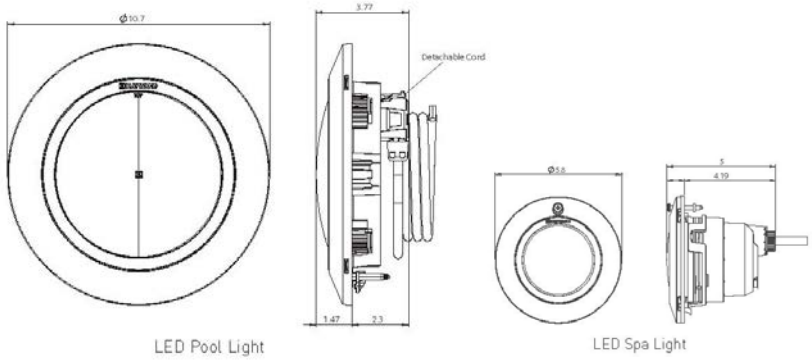
Universal CrystaLogic (UCL) White LED Pool and Spa Lights deliver bright, longer-lasting LED lighting for commercial and residential pools and spas. They represent breakthrough technology for the illumination for any feature or body of water. First to be UL listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic White LED Lighting is designed to drastically reduce operation costs and deliver unparalleled performance.

Features and Benefits

- Targeted light distribution prevents glare from above while also enhancing the distance of the light, creating a uniformly illuminated environment
- Totally encapsulated electronics for next-level durability that ensures your light can withstand even the harshest conditions, making it ideal for any environment
- Industry-first adjustable lower catch simplifies installation with the ability to overcome variations in plaster thickness
- Can be installed as close as 4" from the waterline and upward facing without a rock guard
- White, gray, and stainless steel trim options available for pool lights
- White and stainless steel trim options available for spa lights

LPLUS22030 (left) and LSLUS22030 (right)

Overall Dimensions (inches)



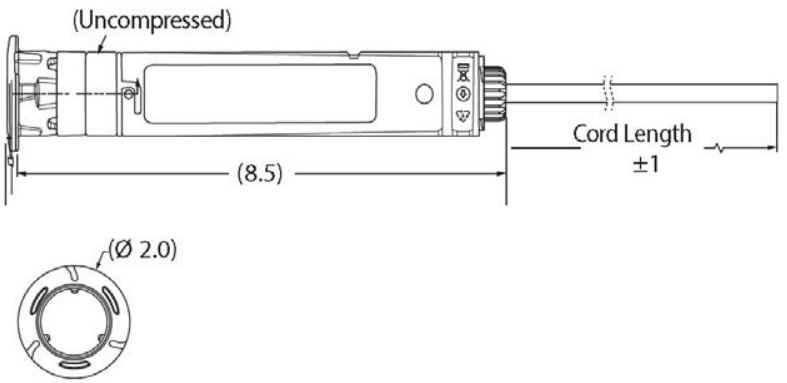
Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
LPLUS22030	Pools	6500K / Cool White	37	300	30 ft.	3300	12-15V	Thermoplastic	1	8.6
LPLUS22050	Pools	6500K / Cool White	37	300	50 ft.	3300	12-15V	Thermoplastic	1	10.1
LPLUS22100	Pools	6500K / Cool White	37	300	100 ft.	3300	12-15V	Thermoplastic	1	13.9
LPLUS22150	Pools	6500K / Cool White	37	300	150 ft.	3300	12-15V	Thermoplastic	1	23.5
LPWUS22030	Pools	6500K / Cool White	54	500	30 ft.	4900	12-15V	Thermoplastic	1	8.6
LPWUS22050	Pools	6500K / Cool White	54	500	50 ft.	4900	12-15V	Thermoplastic	1	10.1
LPWUS22100	Pools	6500K / Cool White	54	500	100 ft.	4900	12-15V	Thermoplastic	1	13.9
LPWUS22150	Pools	6500K / Cool White	54	500	150 ft.	4900	12-15V	Thermoplastic	1	23.5
LSLUS22030	Spas	6500K / Cool White	35	100	30 ft.	1100	12-15V	Thermoplastic	1	7
LSLUS22050	Spas	6500K / Cool White	35	100	50 ft.	1100	12-15V	Thermoplastic	1	8
LSLUS22100	Spas	6500K / Cool White	35	100	100 ft.	1100	12-15V	Thermoplastic	1	11
LSLUS22150	Spas	6500K / Cool White	35	100	150 ft.	1100	12-15V	Thermoplastic	1	28

Colorlogic® 320

LACUS11030

Overall Dimensions (inches)



ColorLogic 320 1.5-inch pool, spa, or accent lights provide low-profile, total color coordination of all water environments and complete synchronization with all Universal ColorLogic lights. With 10 fixed colors and 7 color-changing shows, these lights are ideal for highlighting steps, bubblers, baja shelves and other water features. Access additional dimming options and speed adjustments, increased control, and 10 additional colors with OmniDirect Mode™ by pairing any low-voltage ColorLogic stand-alone light with Omni® Automation.

Features and Benefits

- Best solution for low-profile pool/spa lighting, or feature accent lighting
- Total color coordination of all water environments
- Complete synchronization with Universal ColorLogic colors and shows
- 10 fixed colors and seven color-changing shows
- Ideal lights for steps, jets, bubblers, baja shelves, fountains, etc.
- 2 brightness options available
- Available in 30, 50, 100 and 150 foot cord lengths
- Installation in wet or dry applications
- Vinyl, fiberglass and concrete low-profile installations
- UL and cUL listed

OmniDirect Mode offers:

- Instant navigation to desired color or light show without cycling through sequence
- Dimming capabilities in increments of 20%
- Speed adjustment for light shows
- Access to 10 additional colors and expanded customization options for special occasions, like school colors, sports, or the holidays

Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
LACUS11030	Pools	RGBW / Color	22.4	60	30 ft.	700	12V	Thermoplastic	1	4
LACUS11050	Pools	RGBW / Color	22.4	60	50 ft.	700	12V	Thermoplastic	1	8
LACUS11100	Pools	RGBW / Color	23	60	100 ft.	700	12-15V	Thermoplastic	1	10.5
LACUS11150	Pools	RGBW / Color	23	60	150 ft.	700	12-15V	Thermoplastic	1	28

For replacement parts see page 453.

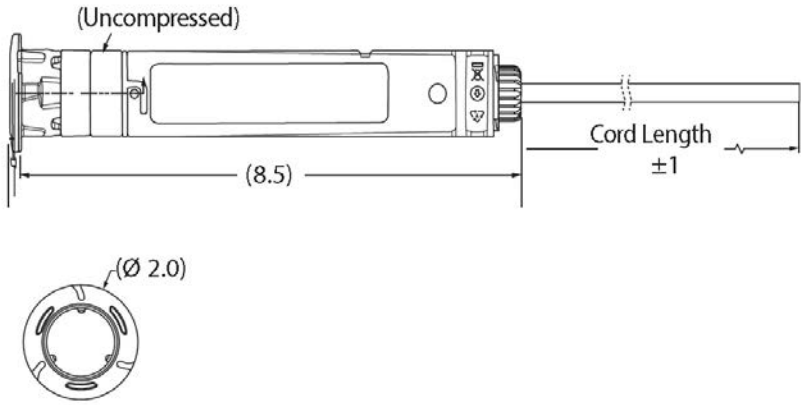
CrystaLogic 320 1.5-inch white LED lights are ideal for uniform pool and spa illumination, or highlighting water features, baja shelves, steps, landscaping and more with the industry's most vibrant lighting. Available in two brightness levels and able to be installed in wet or dry settings, these versatile lights can meet the needs of any backyard application.

Features and Benefits

- 1.5-inch light installs at just 4 inches below the waterline and as little as 9 inches of PVC conduit
- Ideal for lighting steps, water features, baja shelves, bubblers and more
- Last 10 times longer than incandescent bulbs
- Available in two brightness levels: CrystaLogic 160 – Standard Output / CrystaLogic 320 – High Output
- UL listed for safe wall or floor installation

LAWUS11030

Overall Dimensions (inches)



Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
LAWUS11030	Pools	4000K / Natural White	20	100	30 ft.	1100	12V	Thermoplastic	1	5.3
LAWUS11050	Pools	4000K / Natural White	20	100	50 ft.	1100	12V	Thermoplastic	1	5.3
LAWUS11100	Pools	4000K / Natural White	20	100	100 ft.	1100	12V	Thermoplastic	1	10.5
LAWUS11150	Pools	4000K / Natural White	20	100	150 ft.	1100	12V	Thermoplastic	1	28

For replacement parts see page 453.

ColorLogic® 80

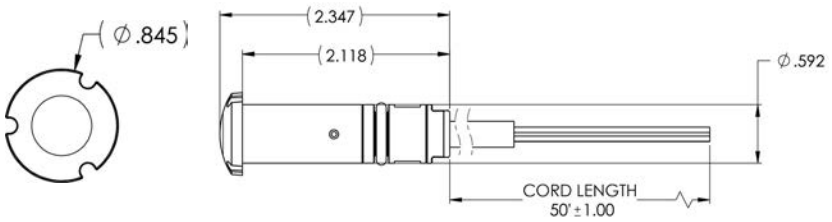
ColorLogic 80 1/2 inch LED lights deliver rich, colorful detail. These discreet lights are designed to brighten hard-to-illuminate areas such as steps, decking, water features and more — allowing backyard creativity to shine. Easy to install in wet or dry environments, these versatile lights install in ½" PVC conduit and last 10 times longer than incandescent bulbs. Plus, ColorLogic 80 sync seamlessly with all lights in Hayward's low-voltage ColorLogic family for an expertly coordinated backyard oasis.

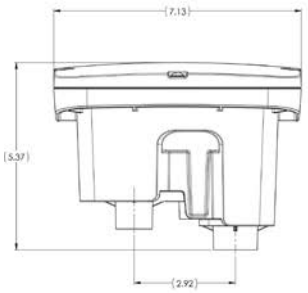
LMCUS11100

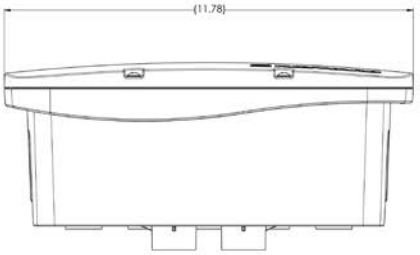
Features and Benefits

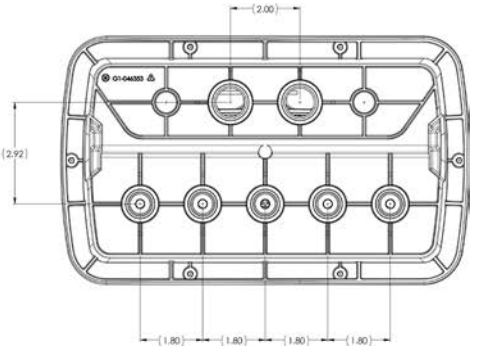
- Illuminate hard to reach areas, such as steps, water features, landscaping, decking, sun shelves, sheer cascades, waterfalls and more
- Featuring ColorLogic's 10 fixed colors and 7 dynamic color-changing shows to match your mood
- 10 additional colors, faster navigation, dimming and speed control with with OmniDirect Mode™ when paired with Hayward Omni® automation systems
- Install in wet or dry environments in ½ inch PVC conduit and as little as 4 inches of water
- Significantly more efficient than typical incandescent bulbs
- Available in two brightness levels
- For use in Residential in-ground pools, spas, or landscape applications

Overall Dimensions (inches)









Specifications

SKU	Description	Cord Length	Voltage	Ctn. Qty.	Ctn. Weight (lbs.)
LMCUS11100	ColorLogic 80 1/2 inch LED Light – High Lumen	100 ft.	12-15V	5	4.7
LMCUS22KIT	ColorLogic 80 Junction Box LED Driver Pack, 100 ft. Cord	—	12-15V	1	19.5
LMCUSPS005	Junction Box LED Driver	—	12-15V	5	20

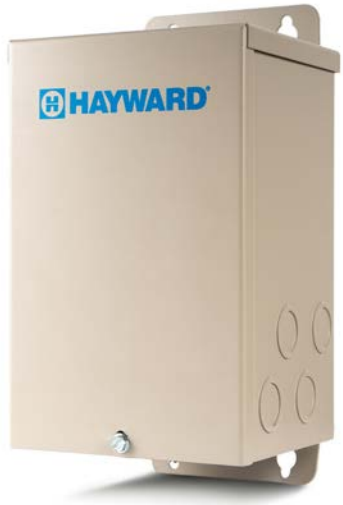
SmartPower® Transformer

Unlock your lighting with four (4) zones of control from one transformer. Change color between the pool, spa or water features without requiring additional HV relays or transformers.

Features and Benefits

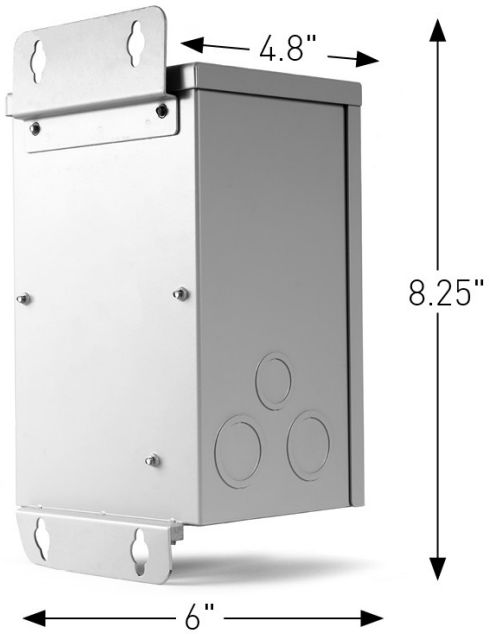
- Easily alternate the colors for up to four (4) zones of lighting from this one transformer
- Supports up to 75W per zone
- Controllable with Omni® automation systems
- OmniDirect Mode™ compatible for additional lighting shows and colors, dimming control and more
- No high voltage relay is required
- UL listed
- SmartPower will connect to the same 4-pin low speed communication bus as other Hayward Smart devices
- MSP Firmware version: R4.4.0 or newer

NOTE: This SKU is for use with Hayward Omni Automation only



LTSUY11300

Overall Dimensions (inches)

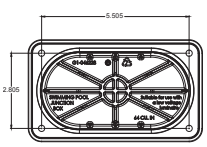


Specifications

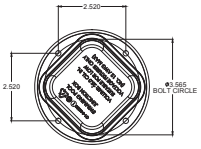
SKU	Description	Ctn. Weight (lbs.)
LTSUY11300	SmartPower® 300W Wall Mount Transformer with 4 relays	12.6

Junction Boxes & Transformers

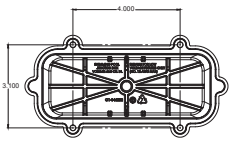
LJBUY00PP1



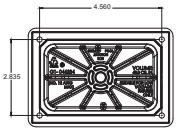
Cap, Hayward Universal ColorLogic LRBUY11H65



Cap, Thermocraft Universal ColorLogic LRBUY11T65



Cap, Hayward 2 Universal ColorLogic LRBUY11H14, LRBUY11H70, LRBUY11M13, LRBUY11M65, LTBUY11H14, LTBUY11H14AS, LTBUY11H70, LTBUY11H70AS



Hayward Junction Box - Every pool, spa and backyard light whether 120V or 12V has a Junction Box. The junction box makes it easier to wire a light to the power source by bringing the connection closer to the light itself.

- Comes with strain relief to support one light or two lights
- Adaptable to ¾" and 1" power entries
- Ideal for 120V lighting and low-voltage lighting

Hayward Junction Box Transformer - Ideal for low-voltage new construction lighting applications, Hayward's patented Junction Box Transformer design can support one or two lights from the same Junction Box, making it a cost-effective solution for 12V lighting

- 70W Models support up to one full-size pool light
- 140W Models support up to two full-size pool lights
- Patented design, unique to Hayward
- Includes Snubber Capacitor arc suppressor

Hayward Wall-Mount Transformer - Hayward's wall-mount transformer can be paired with Hayward's junction box for multi-light, new construction installations

- Includes kit for direct connection to pool or spa lights
- Can be used with various combinations of Hayward lighting option
- Includes Snubber Capacitor arc suppressor

Junction Box Retrofit Kits - Easily convert any existing 120V system to low-voltage. They're UL listed and LRBUY11M65 and LRBUY11M13 are CSA listed

Lighting

Specifications

SKU	Description	Watts	Ctn. Qty.	Ctn. Weight (lbs.)
LJBUY00PP1	Hayward Junction Box Kits	—	1	1.3
LRBUY11H65	Hayward Retrofit Kit	70	1	3.1
LRBUY11P65	Pentair® Retrofit Kit	70	1	3.1
LRBUY11T65	Thermocraft Retrofit Kit	70	1	3.1
LTBUY11300	Hayward Wall-Mount Transformer	300	1	11.6
LTBUY11H14	Hayward Junction Box Transformer	140	1	6.3
LTBUY11H70	Hayward Junction Box Transformer	70	1	4.1

ColorLogic® & CrystaLogic® Accessories

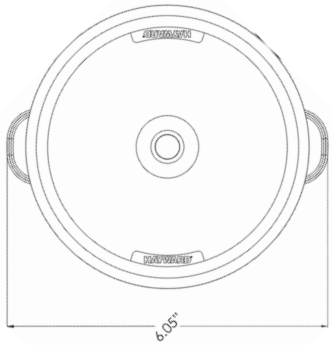
Simple installation that doesn't require costly rewiring or fixture replacements, and a UL-listing ensures seamless retrofitting into Hayward® AstroLite™, DuraLite™, or other 120V pool housings make ColorLogic lights the best way to add vibrant color to any pool.

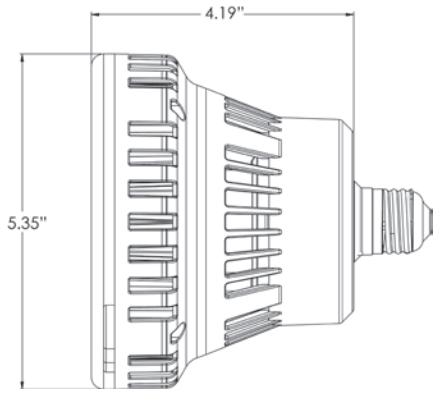
Features and Benefits

- Comes standard with 10 fixed colors and 7 color-changing light shows
- Can be paired with Hayward Omni® automation systems to unlock OmniDirect Mode™ for 10 additional colors, instant navigation to colors and shows, dimming and speed control
- Significantly more energy efficient than incandescents
- Longer-lasting, 10x the life of a typical incandescent bulb
- Easily retrofits to Hayward AstroLite and Duralite housings or most 300-500W 120 incandescent pool fixtures
- R40 LED Bulb is an easy, energy-efficient upgrade
- UL listed

BPCUS11120

Overall Dimensions (inches)





Specifications

SKU	Description	Ctn. Weight (lbs.)
BPCUS11120	ColorLogic Color LED Bulb, 120V	1.2
GXL2INADP5PAK	ColorLogic 320 2" Adapter 5PK	8
LNGUY1000	Universal Color/CrystaLogic Pool Trim Ring, Dark Gray (Legacy)	4
LNVUY1000	Universal Color/CrystaLogic Pool Trim Ring, White Burst (Legacy)	4
LQGUY1000	Universal Color/CrystaLogic Spa Trim Ring, Dark Gray (Legacy)	0.7
SP0536AF	Accent Light Wall Fitting, Gunite, White	4.8
SP0536AFBLK	Accent Light Wall Fitting, Gunite, Black	4.7
SP0536AFDGR	Accent Light Wall Fitting, Gunite, Dark Gray	4.8
SP0536AFGR	Accent Light Wall Fitting, Gunite, Gray	4.8
SP0537AF	Accent Light Wall Fitting, Fiberglass, White	7.1
SP0537AFDGR	Accent Light Wall Fitting, Fiberglass, Dark Gray	7.1
SP0537AFGR	Accent Light Wall Fitting, Fiberglass, Gray	7.1
SP0538AF	Accent Light Wall Fitting, Vinyl, White	11.3
SP0538AFBLK	Accent Light Wall Fitting, Vinyl, Black	12.1
SP0538AFDGR	Accent Light Wall Fitting, Vinyl, Dark Gray	12.1
SP0580L	SelectaColor Lens Kit	11.7

UCL Niches

LFGUY1000

Universal ColorLogic® and Universal CrystaLogic® (UCL) Fixture Housing for new pool construction and renovations. UCL's niche differentiates itself from all other niches by eliminating the need for a bond wire, reducing installation cost and offering a lower profile geometry that fits within the rebar.

Features and Benefits – Common to all models

- Injection-molded PVC fixture housing for corrosion-free performance
- Socket conduit connection designed for quick and simple gluing to PVC pipe and provides a clean, reliable seal
- U.L. approved sweep elbow fitting, coupling and reducer included with UCL pool and spa niches
- All 1" outlets can quickly be converted to 3/4" with a U.L. approved reducing adapter (included)
- Internally-threaded connection for pressure testing of conduit line
- All plastic lighting system eliminates the need for bonding, grounding, GFCI and potting per the NEC code
- Gunite and plaster cover protect the niche and mounting area during guniting and plastering

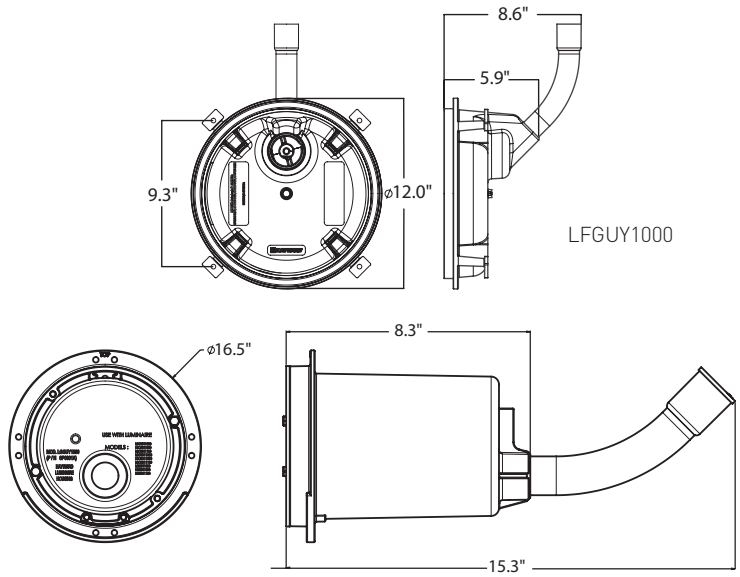
Pool Niche Concrete (LFGUY1000)

- Slim design eliminates the need for a re-bar light cage or secondary dig to install
- Quick and easy no tool twist lock light installation
- Deep and large plaster ledge makes it easier to get a great bond using any plaster
- Easy to use mounting flanges make it simple to secure the niche anywhere in the re-bar during installation
- Unique installation design, allows for cord exit to be configured at any 90 degree increment
- Easy sealing with included compression cord seal kit

Spa Niche Concrete (LGGUY1000)

- 3/4" set-back plaster flange with tie-off holes to secure to re-bar and assure positioning during guniting
- Unique 90 degree ledge at the flange bottom prevents "slumping" during plastering
- This spa niche has extra space for easy coiling and storage of the additional cord

Overall Dimensions (inches)



Light Compatibility Guide	
Universal ColorLogic and CrystaLogic Pool	LPCUS, LPLUS and LPWUS lights
Universal ColorLogic and CrystaLogic Spa	LSCUS, LSCUN and LPLUS lights

Specifications

SKU	Pool Type	Conduit Outlet	Conduit Size	Pool Surface	Ctn. Qty.	Ctn. Weight (lbs.)
LFGUY1000	Pool, Concrete	Rotatable at 90°	1" or 3/4" SKT	Concrete	1	4
LFVUY1000	Pool, Vinyl/Fiberglass	Rotatable at 90°	1" or 3/4" SKT	Vinyl + Fiberglass	1	5.8
LFVUYRINGDGR	Dark Gray Trim Kit for Vinyl/Fiberglass	—	—	Vinyl + Fiberglass	5	3.8
LGGUY1000	Spa, Concrete	45°, rear	1" or 3/4" SKT	Concrete	1	1.8

ColorLogic 4.0 120 Volt LED pool and spa lights are a terrific step up from white incandescent lights. They can last 10 times longer and are energy-efficient—saving pool owners as much as 79% on their energy costs while delivering impactful nighttime ambiance with 5 fixed colors and 7 color-changing shows. When integrated with ProLogic® automation, pool owners will have access to 4 additional light shows for a total of 11, plus a full spectrum of 101 colors.

Features and Benefits

- Includes 5 fixed colors and 7 color-changing light shows
- UL listed, 120V
- All white light override feature for added safety
- No moving parts

NOTE: Hayward does not recommend the installation of 120 Volt lights with cable length above 150'. For 120 Volt lights requiring longer than 150' cable, Hayward recommends using our Junction Box, LJBUY00PP1, for 3/4" or 1" conduit, and a light with cable length needed from the lighting fixture to the Junction Box. Lights with cords up to 200' are UL listed.

SP0527LED100

Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
SP0527LED100	Pools	RGBW / Color	95	70	100 ft.	950	120V	Thermoplastic	1	15.8
SP0527LED30	Pools	RGBW / Color	95	70	30 ft.	950	120V	Thermoplastic	1	8.8
SP0527LED50	Pools	RGBW / Color	95	70	50 ft.	950	120V	Thermoplastic	1	10.8
SP0527SLED100	Pools	RGBW / Color	95	70	100 ft.	950	120V	Stainless Steel	1	16
SP0527SLED150	Pools	RGBW / Color	95	70	150 ft.	950	120V	Stainless Steel	1	21
SP0527SLED30	Pools	RGBW / Color	95	70	30 ft.	950	120V	Stainless Steel	1	9
SP0527SLED50	Pools	RGBW / Color	95	70	50 ft.	950	120V	Stainless Steel	1	11
SP0535LED100	Spas	RGBW / Color	40	25	100 ft.	275	120V	Thermoplastic	1	14
SP0535SLED100	Spas	RGBW / Color	40	25	100 ft.	275	120V	Stainless Steel	1	14
SP0535SLED150	Spas	RGBW / Color	40	25	150 ft.	275	120V	Stainless Steel	1	14
SP0535SLED30	Spas	RGBW / Color	40	25	30 ft.	275	120V	Stainless Steel	1	14
SP0535SLED50	Spas	RGBW / Color	40	25	50 ft.	275	120V	Stainless Steel	1	14

AstroLite® 120V

SP0583L100

NOTE: AstroLite Series light fixtures mount in the following fixture housings (niches) only:	
SP0600U DuraNiche	Concrete
SP0607U DuraNiche	Vinyl/Fiberglass

NOTE: SP0600 and SP0607 Niches are no longer available

Available in a choice of attractive face rim models; from an injection-molded patterned design made of rugged, noncorrosive glass-filled polypropylene to a smooth, machine-polished stainless steel design, these AstroLite™ Series light fixtures come standard in a wide range of voltages, wattages, and cord lengths to satisfy any installation. Combined with Hayward's niches, no other pool lighting system provides such value.

Features and Benefits

- Patterned, thermoplastic or smooth, stainless steel face rim designs for corrosion-free performance
- E-Z Lock™ clamp and reflector assembly for simple relamping
- Blue lens for all models are available as accessories in Light Blue (SP0580LLB)
- 120 Volt, 400 and 500 Watt models for any installation requirement
- Thoroughly tested for safety and quality assurance
- UL listed

NOTE: Models with suffix "L" are equipped with Automatic Thermal Switch (ATS).

DISCLAIMER: Hayward will no longer distribute 100W or 300W incandescent lamps with any of its AstroLite™, DuraLite™, or J&J Electronics™ pool or spa fixtures. This change is required to comply with a recent Department of Energy (DOE) ruling that prohibits the sale of general service lamps (GSL) with an output of 3,300 lumens and below that fail to meet an efficiency standard of 45 lumens per watt.

Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
SP0583L100	Pools	2700K / Warm White	500	500	100 ft.	5000	120V	Thermoplastic	1	14
SP0583L15	Pools	2700K / Warm White	500	500	15 ft.	5000	120V	Thermoplastic	1	7
SP0583L30	Pools	2700K / Warm White	500	500	30 ft.	5000	120V	Thermoplastic	1	8
SP0583L50	Pools	2700K / Warm White	500	500	50 ft.	5000	120V	Thermoplastic	1	10
SP0583SL100	Pools	2700K / Warm White	500	500	100 ft.	5000	120V	Stainless Steel	1	14
SP0583SL150	Pools	2700K / Warm White	500	500	150 ft.	5000	120V	Stainless Steel	1	16
SP0583SL30	Pools	2700K / Warm White	500	500	30 ft.	5000	120V	Stainless Steel	1	8
SP0583SL50	Pools	2700K / Warm White	500	500	50 ft.	5000	120V	Stainless Steel	1	12
SP0584SL100	Pools	2700K / Warm White	400	400	100 ft.	4150	120V	Stainless Steel	1	14

For replacement parts see pages 450–453.

Jiffy Niche and DuraNiche fixture housings are injection-molded of PVC for superior performance, non-corrosive durability and plumbing versatility.

Features and Benefits (Common to all models)

- Injection-molded PVC fixture housing for corrosion-free performance
- UL approved sweep elbow fitting, coupling and reducer, included in SP0600U, SP0607U and SP0601U, meet the highest standard and provide the most convenient installation
- UL approved 1" to 3/4" adapter (included)
- Internally-threaded connection for pressure testing of conduit line
- UL listed
- Complies with NEC 2002 with over 9 square inches of bonding surface area

SP0600U and SP0601U

- 3/4" set-back plaster flange with tie-off holes to secure to re-bar and assure positioning during guniting
- Unique 90° ledge at the flange bottom prevents "slumping" during plastering
- The SP0601 small diameter niche has extra space for easy coiling and storage of the relamping cord

SP0607U

- Fits all standard punch designs, no tooling modifications are required
- Incorporates the dependability of Hayward's proven wall panel sealing method

SP0608U

- Screw on mounting nut design. No screws required to mount through pool wall
- Standard 6" hole size

SP0600U

Hayward Pool Products Light to Niche Matrix			NICHES	LFGUY1000	LGGUY1000	LFVUY1000	SP0600A & 600U	SP0601A & 601U	SP0607U	SP0608U
			SPECS	2.75" deep						6" round
			Pool Type	C	C	V/FG	C	C	V	V/FG
LIGHTS	SPECS	Pool Type	Material	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
LPCxx/LPLxx, LPWxxx	Universal ColorLogic/ CrystaLogic Pool 1.0 & 2.0	All		X		X	X		X	
LSCxx/LSLxx	Universal ColorLogic/ CrystaLogic 1.0 & 2.0	All			X			X		X
SP0520	ColorLogic 4.0 Pool	C					X		X	
SP0530	ColorLogic 4.0 Spa	All						X		X
SP570N	Replacements 10" mounting diameter	All					*			
SP0580's	Standard 9.375" mounting diameter	All							X	
SP0590's	Spa (small) light	All						X		X

NOTES: *New 120V lights are only UL listed when installed with a Hayward niche.
SP0570 Series lights are direct replacements for older SP0540 and SP0560 Series lights.
As of 2004, niches 600 will not accept 570 lights because there is no place for the lower shoulder screw.
If a new niche is needed, replace niche and light fixture using the 580 Series lights.

Specifications

SKU	Pool Type	Conduit Outlet	Conduit Size	Pool Surface	Ctn. Qty.	Ctn. Weight (lbs.)
SP0600U	DuraNiche, Pool, Gunite/Concrete	45°, top or rear	1" or 3/4" SKT	Concrete	1	6
SP0601U	DuraNiche, Spa, Concrete	45°, rear	1" or 3/4" SKT	Concrete	1	2
SP0607U	Jiffy Niche, Pool, Vinyl/Fiberglass (w/FTG Kit)	45°, top or rear	1" or 3/4" SKT	Vinyl + Fiberglass	1	7
SP0608U	Jiffy Niche, Spa, Vinyl/Fiberglass	45°, top or rear	1" or 3/4" SKT	Vinyl + Fiberglass	1	4

For replacement parts see pages 450–453.

VÜ Retro Lights

25014P

Whether you're renovating your pool or seeking a reliable replacement for a lighting system, the J&J VÜ Retro Color LED light is the ideal solution for performance and durability. Designed to fit in a Pentair® GloBrite® niche, it offers an easy installation process without compromising illumination.

Features and Benefits

- Built to outlast and outperform using a robust construction that reduces internal heat generation and isn't prone to cracking
- Replaces existing lights without the need for modification for quick replacement
- Works with Pentair IntelliCenter® Pool Control System or ColorSync™ Controller for Pentair Color LED pool lights*
- 2-year Warranty

NOTE: *As based on independent third party testing data

Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
25014P	Pools and Spas	RGBW / Color	17	60	100 ft.	700	12V	Thermoplastic	1	5
25015P	Pools and Spas	RGBW / Color	17	60	150 ft.	700	12V	Thermoplastic	1	5

ColorSplash® LED Pool Lights

J&J Electronics™ ColorSplash® XG-W Series Inground Pool and Spa Fixtures offers a variety colors and shows to instantly transform any pool or spa into a custom illuminated paradise.

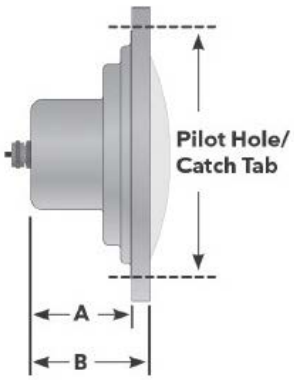
Features and Benefits

- RGB-W with "PureWhite®" mode
- Wide angle LEDs increase coverage area
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps

NOTE: Operates with Jandy® and Pentair® automation systems. Systems need to be programmable to operate Pentair Intellibrite 5G LED Color. Refer to owner's manual for more information.

23001

Overall Dimensions (inches)



	LPL-F2C (Pool)
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

NOTE: *J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

Specifications

SKU	Description	Peak Lumens	Voltage	Type	Wattage	Cord Length	Ctn. Qty.	Ctn. Weight (lbs.)
23001	LPL-F2CW-120-50-P	3900	120V	RGBW / Color	59	50 ft.	1	13.5
23002	LPL-F2CW-120-100-P	3900	120V	RGBW / Color	59	100 ft.	1	18
23003	LPL-F2CW-120-150-P	3900	120V	RGBW / Color	59	150 ft.	1	22.5
23007	LPL-F2CW-12-50-P	3900	12V	RGBW / Color	64	50 ft.	1	15
23008	LPL-F2CW-12-100-P	3900	12V	RGBW / Color	64	100 ft.	1	20.5
23009	LPL-F2CW-12-150-P	3900	12V	RGBW / Color	64	150 ft.	1	26.6
23042	LPL-F1CW-120-50-P	1500	120V	RGBW / Color	22	50 ft.	1	13.5
23043	LPL-F1CW-120-100-P	1500	120V	RGBW / Color	22	100 ft.	1	18
23044	LPL-F1CW-120-150-P	1500	120V	RGBW / Color	22	150 ft.	1	22.5
23048	LPL-F1CW-12-50-P	1500	12V	RGBW / Color	24	50 ft.	1	15
23049	LPL-F1CW-12-100-P	1500	12V	RGBW / Color	24	100 ft.	1	19

ColorSplash® SwimQuip LED Pool Lights

23026

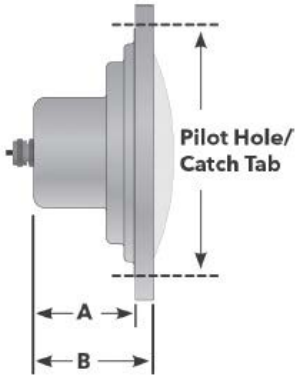
J&J Electronics™ ColorSplash XG-W Series Inground Pool and Spa Fixtures offer a variety of colors and shows to instantly transform any pool or spa into a custom illuminated paradise.

Features and Benefits

- Designed for use with Swimquip Niches
- RGB-W with "PureWhite®" mode
- Wide angle LEDs increase coverage area
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps
- Compatible with J&J's XG Controller

NOTE: Operates with Jandy® and Pentair® automation systems. Systems need to be programmable to operate Pentair Intellibrite 5G LED Color. Refer to owner's manual for more information.

Overall Dimensions (inches)



	LPL-F2C (Pool)
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

NOTE: *J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
23026	Pools	RGBW / Color	59	200	100 ft.	3900	120V	Stainless Steel	1	18
23027	Pools	RGBW / Color	59	200	50 ft.	3900	120V	Stainless Steel	1	14
23052	Pools	RGBW / Color	22	100	50 ft.	1500	120V	Stainless Steel	1	13.5
23053	Pools	RGBW / Color	22	100	100 ft.	1500	120V	Stainless Steel	1	17
23062	Pools	RGBW / Color	59	200	150 ft.	3900	120V	Stainless Steel	1	22.5

J&J Electronics™ ColorSplash XG-W Series Inground Pool and Spa Fixtures offers a variety colors and shows to instantly transform any pool or spa into a custom illuminated paradise.

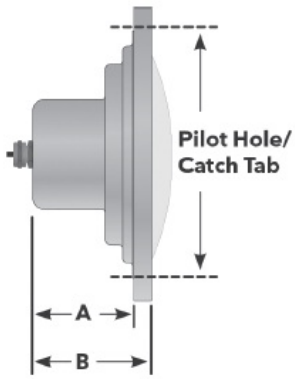
Features and Benefits

- RGB-W with "PureWhite®" mode
- Wide angle LEDs increase coverage area
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps

NOTE: Operates with Jandy® and Pentair® automation systems. Systems need to be programmable to operate Pentair Intellibrite 5G LED Color. Refer to owner's manual for more information.

23011

Overall Dimensions (inches)



	LPL-S1W (Spa)
A	2.9"
B	3.5"
Lens Diameter	2.9"
Faceplate Diameter	5.7"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

NOTE: *J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

Specifications

SKU	Description	Peak Lumens	Voltage	Type	Cord Length	Ctn. Qty.	Ctn. Weight (lbs.)
23011	LPL-S2CW-120-50-P	265	120V	RGBW / Color	50 ft.	1	10
23012	LPL-S2CW-120-100-P	265	120V	RGBW / Color	100 ft.	1	13.5
23013	LPL-S2CW-120-150-P	265	120V	RGBW / Color	150 ft.	1	17.5
23015	LPL-S2CW-12-50-P	265	12V	RGBW / Color	50 ft.	1	10.4
23016	LPL-S2CW-12-100-P	265	12V	RGBW / Color	100 ft.	1	12
23017	LPL-S2CW-12-150-P	265	12V	RGBW / Color	150 ft.	1	21.5

VU® Lights

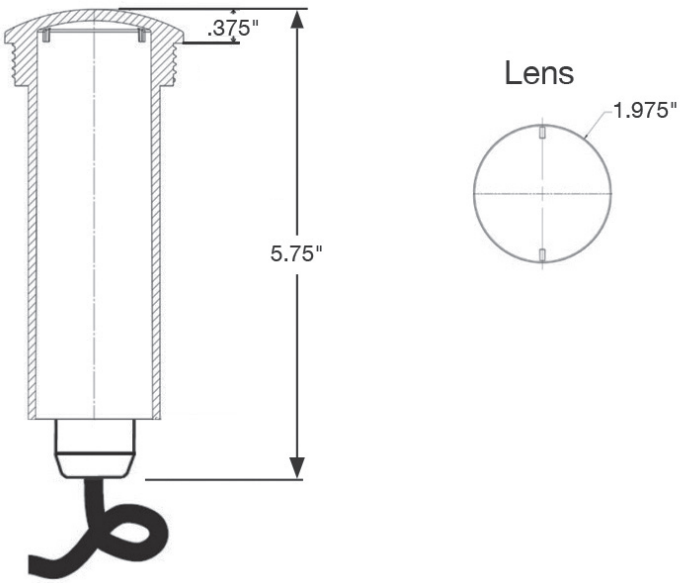
J&J Electronics™ ColorSplash® and PureWhite Nicheless LED pool and spa fixtures offers a variety of colors and shows to instantly transform any pool or spa into a custom illuminated paradise. Alternatively, the PureWhite LEDs could be used to produce Cool White light that will enhance the apperance of your pool water with brilliant, natural-looking light. Use them to light up a pool's steps, swimouts and water spillovers, or accent a spa.

25013

Features and Benefits

- RGB-W with "PureWhite®" mode
- Cool white light enhances pool water appearance
- Easy installation; fits in most manufacturers 1 1/2" wall fittings
- 4" minimum water depth
- Synchronizes with ColorSplash® XG, LXG and LXG-W series fixtures and lamps

Overall Dimensions (inches)



Lighting

Specifications

SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
25013	Pools and Spas	RGBW / Color	20	40	50 ft.	480	12V	Thermoplastic	1	3.7
25014	Pools and Spas	RGBW / Color	20	40	100 ft.	480	12V	Thermoplastic	1	6.2
25015	Pools and Spas	RGBW / Color	20	40	150 ft.	480	12V	Thermoplastic	1	8.1
25050	Pools and Spas	6500K / Cool White	20	60	50 ft.	700	12V	Thermoplastic	1	3.5
25051	Pools and Spas	6500K / Cool White	20	60	100 ft.	700	12V	Thermoplastic	1	6
25052	Pools and Spas	6500K / Cool White	20	60	150 ft.	700	12V	Thermoplastic	1	9.5

PureWhite® LED Spa Lights

J&J Electronics™ PureWhite LED Spa Light Fixtures provide an LED lighting alternative to inefficient incandescent lamps for installations requiring a wet niche fixture. They significantly reduce energy consumption and maintenance costs. Plus, all PureWhite LED Spa Light Fixtures feature a superior rugged construction that is unmatched in the industry.

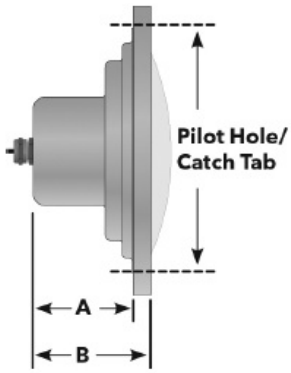
Features and Benefits

- Uses less energy – up to 90%*
- Lasts up to 50,000 hours – 20x longer life**
- Enhances pool water appearance – looks clearer and cleaner
- Enhances dark finish pools – commercial and residential
- Installs easily – compact fixture depth allows bottom catch visibility from pool deck

NOTES:
*HI Series compared to incandescent lamps
**Compared to incandescent lamps

21029

Overall Dimensions (inches)



	LPL-S1W (Spa)
A	2.9"
B	3.5"
Lens Diameter	2.9"
Faceplate Diameter	5.7"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

NOTE: *J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

Specifications

SKU	Description	Peak Lumens	Wattage	Voltage	CCT	Cord Length	Ctn. Qty.	Ctn. Weight (lbs.)
21029	LPL-S1W-120-100-P27	400	21	120V	2700K / Warm White	100 ft.	1	13
21051	LPL-S1W-12-150-P	500	25	12V	6500K / Cool White	150 ft.	1	21.5
21091	LPL-S1W-120-50-P	500	21	120V	6500K / Cool White	50 ft.	1	10
21101	LPL-S1W-120-100-P	500	21	120V	6500K / Cool White	100 ft.	1	13
21102	LPL-S1W-120-150-P	500	21	120V	6500K / Cool White	150 ft.	1	17.5
21107	LPL-S1W-12-50-P	500	25	12V	6500K / Cool White	50 ft.	1	10
21108	LPL-S1W-12-100-P	500	25	12V	6500K / Cool White	100 ft.	1	13.5
21141	LPL-S1W-12-100-P27	400	25	12V	2700K / Warm White	100 ft.	1	13.5
21148	LPL-S1W-120-150-P27	400	13	120V	2700K / Warm White	150 ft.	1	17.5

PureWhite® LED Pool Lights

21000

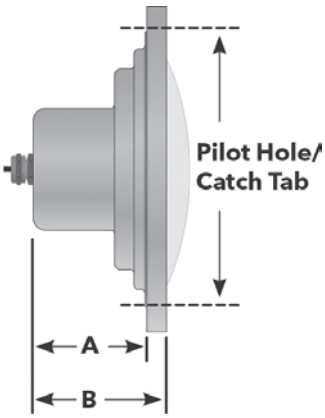
J&J Electronics™ PureWhite LED Spa Light Fixtures provide an LED lighting alternative to inefficient incandescent lamps for installations requiring a wet niche fixture. They significantly reduce energy consumption and maintenance costs. Plus, all PureWhite LED Spa Light Fixtures feature a superior rugged construction that is unmatched in the industry.

Features and Benefits

- Uses less energy – up to 90%*
- Lasts up to 50,000 hours – 20x longer life**
- Enhances pool water appearance – looks clearer and cleaner
- Enhances dark finish pools – commercial and residential
- Installs easily – compact fixture depth allows bottom catch visibility from pool deck

NOTES:
*HI Series compared to incandescent lamps
**Compared to incandescent lamps

Overall Dimensions (inches)



	LPL-F2C (Pool)
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

NOTE: *J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

Specifications

SKU	Description	Peak Lumens	Wattage	Voltage	CCT	Cord Length	Ctn. Qty.	Ctn. Weight (lbs.)
21000	LPL-F5W-120-200-P	4500	91	120V	6500K / Cool White	200 ft.	1	25
21023	LPL-F3W-12-100-P27	2991	66	12V	2700K / Warm White	100 ft.	1	22
21024	LPL-F3W-12-100-P	3900	66	12V	6500K / Cool White	100 ft.	1	20
21025	LPL-F5W-12-100-P	4500	99	12V	6500K / Cool White	100 ft.	1	22
21043	LPL-F3W-120-100-P27	2991	66	120V	2700K / Warm White	100 ft.	1	18
21065	—	2400	36	12V	6500K / Cool White	150 ft.	1	26.6
21069	LPL-F5W-120-150-P	4500	91	120V	6500K / Cool White	150 ft.	1	22.5
21071	LPL-F5W-120-50-P	4500	91	120V	6500K / Cool White	50 ft.	1	13
21074	LPL-F3W-12-50-P	3900	66	12V	6500K / Cool White	50 ft.	1	13
21075	LPL-F3W-120-100-P	3900	66	120V	6500K / Cool White	100 ft.	1	18
21076	LPL-F3W-120-150-P	3900	66	120V	6500K / Cool White	150 ft.	1	22.5
21077	LPL-F3W-120-200-P	3900	66	120V	6500K / Cool White	200 ft.	1	25
21079	LPL-F3W-120-50-P	3900	66	120V	6500K / Cool White	50 ft.	1	13.5
21081	LPL-F5W-120-100-P	4500	91	120V	6500K / Cool White	100 ft.	1	20
21090	—	2400	36	120V	6500K / Cool White	50 ft.	1	15
21094	—	2400	36	120V	6500K / Cool White	100 ft.	1	15
21111	—	2400	36	120V	6500K / Cool White	150 ft.	1	22.5
21116	—	2400	36	12V	6500K / Cool White	50 ft.	1	13.2
21118	—	2400	36	12V	6500K / Cool White	100 ft.	1	19
21120	LPL-F3W-12-150-P	3900	66	12V	6500K / Cool White	150 ft.	1	26.6
21128	—	2400	36	120V	6500K / Cool White	200 ft.	1	25
21130	LPL-F1W-120-100-P27	1840	36	120V	2700K / Warm White	100 ft.	1	18
21149	LPL-F5W-120-100-P27	4150	91	120V	2700K / Warm White	100 ft.	1	20
21158	LPL-F1W-12-100-P27	1840	36	12V	2700K / Warm White	100 ft.	1	19
21169	LPL-F5W-12-100-P27	4150	99	12V	2700K / Warm White	100 ft.	1	22
24273	LPL-F3W-120-300-P	3900	58	120V	6500K / Cool White	300 ft.	1	28

ColorSplash® LED Lamps

46910

J&J Electronics™ ColorSplash LXG-W Series In-Ground Pool and Spa Lamps offers the advantage of our PureWhite® LED lighting in addition to LED color changing lighting. With a variety of solid colors and color changing lights shows, instantly transform any pool or spa into a custom illuminated paradise. These LED Pool and Spa Replacement Lamps install in minutes and offer the ideal ambiance for playing, relaxing, or entertaining, while providing immediate energy cost savings over traditional incandescent pool lamps. Each lamp includes our Guardian™ replacement pool fixture lens gasket* which has been designed specifically for use with LED lamps.

Features and Benefits

- High output red, green, blue and white LEDs
- Uniformity of light intensity and saturation
- 3-in-1 control – Compatible with Pentair®, Hayward® and Jandy® Automation systems
- Zero pixelation lens
- Wide beam spread
- Edison base – Compatible with most manufactures fixtures
- 40,000+ hour life span

NOTE: *Fixture Lens Gasket included for use with Pentair® Amerlite™ or Pentair® SpaBrite™ pool light fixtures. Order lens gaskets for other manufactures pool light fixtures separately.

Overall Dimensions (inches)

LPL-P3 Series

LPL-S3 Series

Specifications

SKU	Description	Type	Peak Lumens	Voltage	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
46910	LPL-P3-RGBW-120	Pools	1700	120V	RGBW / Color	10	28.66
46911	LPL-P3-RGBW-12	Spas	1375	12V	RGBW / Color	10	28.66
46912	LPL-S3-RGBW-120	Spas	425	120V	RGBW / Color	20	17.637
46913	LPL-S3-RGBW-12	Spas	1100	12V	RGBW / Color	20	17.637

J&J Electronics™ PureWhite Replacement In-Ground Pool and Spa Lamps are the brightest, most costeffective LED alternative to inefficient incandescent lamps. They immediately and significantly reduce energy consumption and maintenance costs. Our PureWhite Pro lamps fit into most standard pool light housings and includes our Guardian™ replacement pool fixture lens gasket which has been designed specifically for use with LED lamps.

Features and Benefits

- Ultra-bright white light equivalents for 100w thru 500w incandescent pool lamps
- Uniformity of light intensity and saturation
- Multiple color temps: warm white 2700k and cool white 6500k
- 12V and 120V
- Wide beam spread
- Ships with Guardian gaskets, which are compatible with Pentair fixtures

26712

Overall Dimensions (inches)

LPL-PR Series

LPL-M2 Series

Specifications

SKU	Description	Type	Peak Lumens	Voltage	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
26712	LPL-M2-CW-12	Spas	1300	12V	6500K / Cool White	20	18
26810	LPL-PRHO-CW-120	Pools	4320	120V	6500K / Cool White	10	27
46610	LPL-PR2-CW-120	Pools	3100	120V	6500K / Cool White	10	28
46611	LPL-PR2-WW-120	Pools	2800	120V	2700K / Warm White	10	28
46612	LPL-PR2-CW-12	Pools	3100	12V	6500K / Cool White	10	28
46613	LPL-PR2-WW-12	Pools	2800	12V	2700K / Warm White	10	28
46710	LPL-M2-CW-120	Spas	1300	120V	6500K / Cool White	20	17
46711	LPL-M2-WW-120	Pools	1200	120V	2700K / Warm White	20	17.64
46712	LPL-M2-CW-12	Spas	1400	12V	6500K / Cool White	20	18
46713	LPL-M2-WW-12	Spas	1250	12V	2700K / Warm White	20	17.64
46810	LPL-PRHO-CW-120	Pools	4300	120V	6500K / Cool White	10	28
46811	LPL-PRHO-WW-120	Pools	4000	120V	2700K / Warm White	10	28

ColorGlo®

27041

ColorGlo Multi-Color LED Spa Lights are easy to install in any size spa. Choose from two different models: the Raydiance™ light is ideal for larger spas, with 24 ultra-bright ColorGlo LEDs and for smaller spas, the 9-LED Sparkler™ light is an excellent solution. Create the perfect mood and ambience with 10 available lighting modes to choose from, including four vibrant multi-color light shows. Each light installs quickly in most 12V wedge-based fixtures, and selecting the perfect lighting mode is as easy as turning on a light! The ColorGlo lights will boost your spa experience and give you the ultimate backyard oasis!

Features and Benefits

- Available in two models to illuminate any size spa
- 10 dramatic & exciting lighting modes to explore
- Easy to install – as simple as replacing a light bulb
- Fits most 12V wedge-based sockets*
- Ultra-bright LEDs last over 100,000 hours
- Easy to operate; advance through lighting modes with the press of a button

NOTE: *ColorGlo Multi-Color LED Portable Spa Lighting is not designed to operate in spas with dimming systems

Specifications

SKU	Description	Type	Voltage	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
27041	LSL24-1	Spas	12V	RGB / Color	1	14.3
27042	LSL9-1	Spas	12V	RGB / Color	1	1

The Guardian™ replacement pool fixture lens gasket is a valuable and simple solution to the ever-present issue of compatibility. Ships standard with J&J Electronics™ PureWhite and ColorSplash® LED lamps, so you never have to worry about finding the correct gasket for your pool lighting needs.

Features and Benefits

- Has been designed especially for use with LED lamps
- Specifically for use with Pentair® Amerlite™ or Pentair® SpaBrite™ pool light fixtures

26039

Specifications

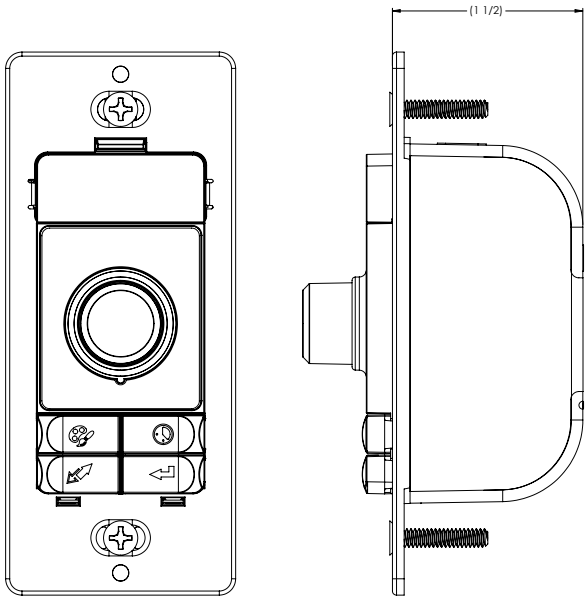
SKU	Description	Type	Ctn. Qty.	Ctn. Weight (lbs.)
26039	LPL-M-G-P	Guardian Silicone Lens Gasket-Spa-Pentair SpaBrite & AquaLight	150	18
26040	LPL-G-S	Guardian Silicone Lens Gasket-Pool-Starite Swimquip	10	0.1
26041	LPL-G-P	Guardian Silicone Lens Gasket-Pool-Pentair Amerlite	50	14
26042	LPL-M-G-H	Guardian Silicone Lens Gasket-Spa-Hayward Astrolite™ II	500	31
26046	LPL-G-H	Guardian Silicone Lens Gasket-Pool-Hayward Astrolite™	200	25

ColorLogic® Light Controller

The ColorLogic Light Controller puts the power of colorful, customizable low-voltage ColorLogic LED lighting at your fingertips. Turn lights on or off with the push of a button, or set a countdown timer or schedule to do so automatically. With the ColorLogic Light Controller's sleek, simple design, homeowners can instantly view and choose from 10 beautiful fixed colors and 7 color-changing light shows. When you select an option, the color or show displays in the preview window at the top of the controller so that you can see what it will look like, giving homeowners an additional level of control over their backyard ambiance.

LKCUS1100

Overall Dimensions (inches)



Features and Benefits

- Retrofits easily into an existing light switch
- Innovative preview window lets users view all ColorLogic colors and shows before choosing
- Indicator LED lights illuminate to show the currently selected color or light show
- Resync button allows you to easily resync lights in multiple-light installations
- Schedule button allows you to input recurring light settings
- UL Listed

NOTE: This product ONLY WORKS WITH:

- Hayward Universal ColorLogic 12V LED Pool Light
- Hayward Universal ColorLogic 12V LED Spa Light
- Hayward ColorLogic 320 and 80 12V LED Lights
- Hayward ColorLogic Bulb 120V LED

Specifications

SKU	Description	Ctn. Weight (lbs.)
LKCUS1100	ColorLogic Light Controller	3.6

Pool and Spa
Features and Benefits

- Operates in harsh environments
- Approved to UL Pool Standards
- Works flawlessly with most color changing LED Pool Lights
- Insulated Coil to Reduce Noise
- Removable Mounting Brackets

Commercial
Features and Benefits

Housing:

- Brushed 304 grade stainless steel
- Removable hinged cover for easy access
- Tool-less bottom access plate locks into place when cover is closed
- Bottom panel contains one large 1 1/2" conduit inlet and four 3/4" knockouts for lead exit
- Mounting brackets located on top and bottom of the console

Electrical:

- Input Voltage: 120V
- Magnetic circuit breaker for every 300W circuit
- Output Voltage Taps: 12-15 Volts

Protection:

- In-line primary overload protection prevents system damage with auto thermal shut-off
- In-line secondary magnetic breaker prevents short circuit protection with reset

Terminals:

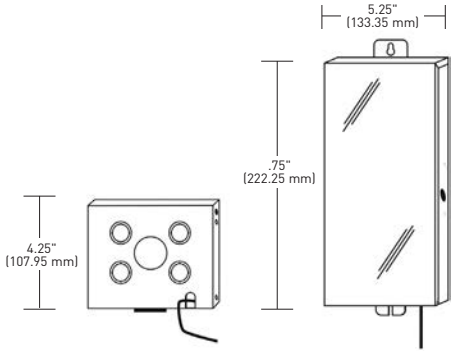
- Extra-large terminal block for convenient low voltage cable connections

Pool and Spa

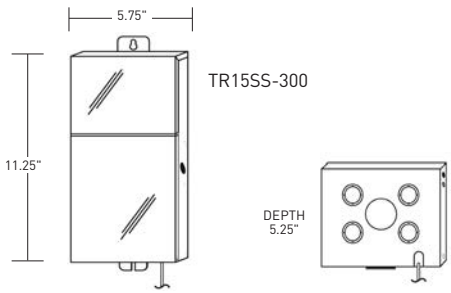
Commercial

25036 (left) and 998001 (right)

Overall Dimensions (inches)



Pool and Spa



Commercial

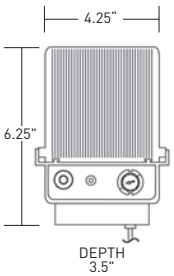
Specifications

SKU	Description	Finish	Wattage	Ctn. Qty.	Ctn. Weight (lbs.)
25036	TR-100-PP	Beige	100	1	7
25037	TR-300-PP	Beige	300	1	12.5
998001	TR 15SS-150	Stainless Steel	150	1	15.5
998004	TR 15SS-300	Stainless Steel	300	1	16.5

Low Voltage Transfomers

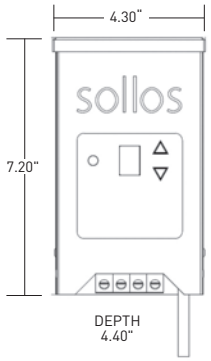
997012 (left) and 99015 (right)

Overall Dimensions (inches)

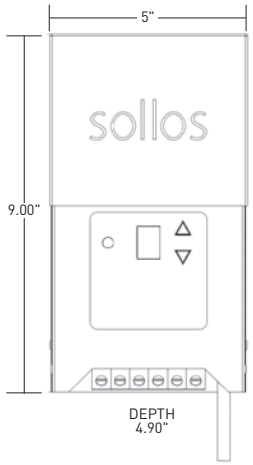


TR12PC-INT-100

Integrated Series



TR15SS1-INT-150W



TR15SS1-INT-300

Integrated Series Gen 2

Integrated Series Features and Benefits

Transformer Characteristics:

- Integral photocell and timer allow light fixtures to operate manually, automatically, or on a timer
- Automatic operation turns lights on at dusk and off at dawn
- TR12PC-INT-100 Timer Operation: turns lights on at dusk and turns them off four hours, six hours, or eight hours after dusk
- TR12SS-INT-120/TR12SS-INT-200/TR15SS-INT-300 Timer Operation: turns lights on at dusk and turns them off one to nine hours after dusk

Primary Protection:

- Resettable circuit breaker that prevents overloads and short circuits

Wiring:

- Plug-in ready
- 6-foot, grounded, water resistant, heavy gauge power cord

Integrated Series 2.0 Features and Benefits

- Redesigned digital integrated transformers, offering 150W and 300W options to align with industry standards
- Provide a smaller footprint and have multiple commons and 12/15V taps allowing more wiring options for the installer
- Easier to wire with new, angled terminal blocks

Specifications

SKU	Description	Finish	Wattage	Ctn. Qty.	Ctn. Weight (lbs.)
997012	TR12PC-INT-100	Composite Black	100	4	23.5
997015	TR15SS1-INT-150	Stainless Steel	150	4	34
997017	TR15SS1-INT-300	Stainless Steel	300	1	26

YOUR LANDSCAPE'S TIME TO SHINE

Sollos Landscape Lighting combines aesthetic styling and LED power for today's landscapes. We offer a complete line of fixtures and finishes that enhance gardens, landscapes and outdoor settings. Surroundings are enriched by the subtle curves and organic feel of natural metal and architectural aluminum finishes. Dynamic fixture functionality provides safety, security and quality illumination.

Scan the QR code
to learn more about
Better Lighting

sollos®
LANDSCAPE LIGHTING

Straight Bullet Lights

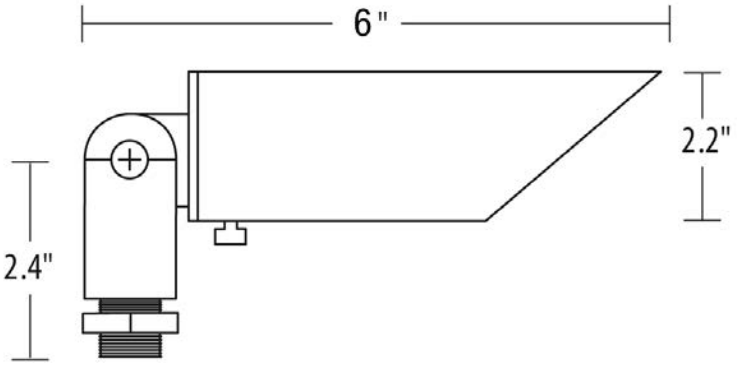
922753S

Sollos® Bullet Lights are available in multiple sizes and finishes. All ground mount fixtures are packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Fully adjustable swivel arm with locking teeth for angle adjustment with 8" ground stake
- Dual silicone O-ring Seal
- Shock and heat resistant tempered glass lens
- GU5.3 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on natural metal

Overall Dimensions (inches)



Lighting

Specifications

SKU	Description	Bullet Length	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
922753S	BSB062-TB-MR16BAB/827/LED	6.2"	4	20	Textured Black	MR16	2700K / Warm White	12	15.8
922754S	BSB062-TZ-MR16BAB/827/LED	6.2"	4	20	Textured Bronze	MR16	2700K / Warm White	12	15.5
995310	BSB062-TB	6.2"	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	14
995314	BSB062-TZ	6.2"	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	13.5
995364	BSB054-CU	5.4"	Fixture Only	Fixture Only	Copper	Fixture Only	Fixture Only	12	20.5
995532	BSB067-AB	6.7"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	22.5
995534	BSB067-CU	6.7"	Fixture Only	Fixture Only	Copper	Fixture Only	Fixture Only	12	24
995536	BSB067-SS	6.7"	Fixture Only	Fixture Only	Stainless Steel	Fixture Only	Fixture Only	12	26.5

Modern Bullet Lights

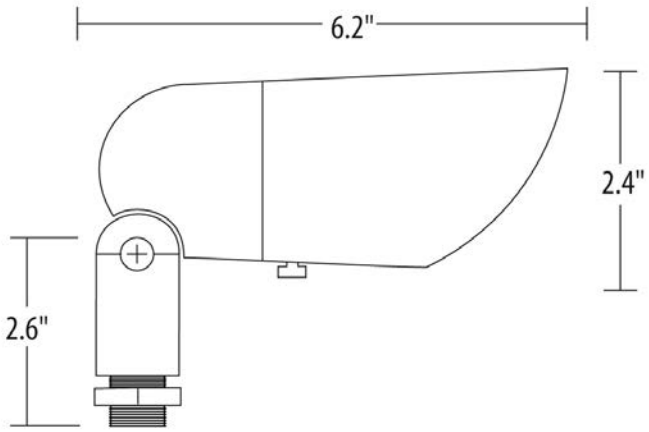
Sollos® Bullet Lights are available in multiple sizes and finishes. All ground mount fixtures are packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Fully adjustable swivel arm with locking teeth for angle adjustment with 8" ground stake
- Dual silicone O-ring Seal
- Shock and heat resistant tempered glass lens
- GU5.3 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on natural metal

920219S

Overall Dimensions (inches)



Lighting

Specifications

SKU	Description	Bullet Length	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
920219S	BMB062-TB-MR16BAB/827/LED	6.2"	4	20	Textured Black	MR16	2700K / Warm White	12	19.8
920220S	BMB062-TZ-MR16BAB/827/LED	6.2"	4	20	Textured Bronze	MR16	2700K / Warm White	12	19.8
995100	BMB062-TB	6.2"	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	17.5
995104	BMB062-TZ	6.2"	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	18

Contemporary Bullet Lights

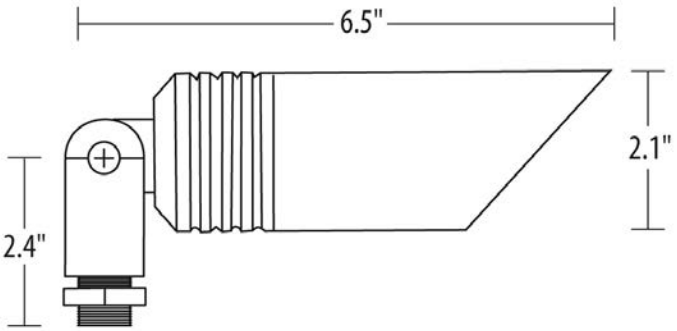
20080S

Sollos® Bullet Lights are available in multiple sizes and finishes. All ground mount fixtures are packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Fully adjustable swivel arm with locking teeth for angle adjustment with 8" ground stake
- Dual silicone O-ring Seal
- Shock and heat resistant tempered glass lens
- GU5.3 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on natural metal

Overall Dimensions (inches)



Specifications

SKU	Description	Bullet Length	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
20080S	BCB065-AB-MR16FL4/827/LED	6.5"	4	20	Antique Brass	MR16	2700K / Warm White	12	23.5
27503S	BCB065-AB-MR16FL4.5/827/LED	6.5"	4.5	35	Antique Brass	MR16	2700K / Warm White	12	23.4
921322S	BCB065-AB-MR16BAB/827/LED	6.5"	4	20	Antique Brass	MR16	2700K / Warm White	12	24
921362S	BCB065-TB-MR16BAB/827/LED	6.5"	4	20	Textured Black	MR16	2700K / Warm White	12	16.5
921363S	BCB065-TZ-MR16BAB/827/LED	6.5"	4	20	Textured Bronze	MR16	2700K / Warm White	12	16.5
995502	BCB065-AB	6.5"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	23
995506	BCB065-TB	6.5"	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	15.5
995508	BCB065-TZ	6.5"	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	15

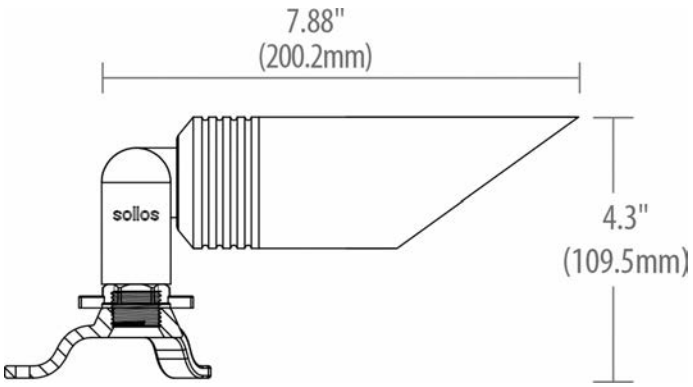
Sollos® Down Lights are available in multiple sizes and finishes. All ground mount fixtures are packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Fully adjustable swivel arm with locking teeth for angle adjustment with 8" ground stake
- Dual silicone O-ring Seal
- Shock and heat resistant tempered glass lens
- GU5.3 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on natural metal

995503

Overall Dimensions (inches)



Specifications

SKU	Description	Finish	Ctn. Qty.	Ctn. Weight (lbs.)
995503	DL-BCB075-AB/Contemporary	Antique Brass	1	27.5
995504	DL-BSB077-AB/Straight	Antique Brass	10	9

Straight Path Lights - Lamp Included

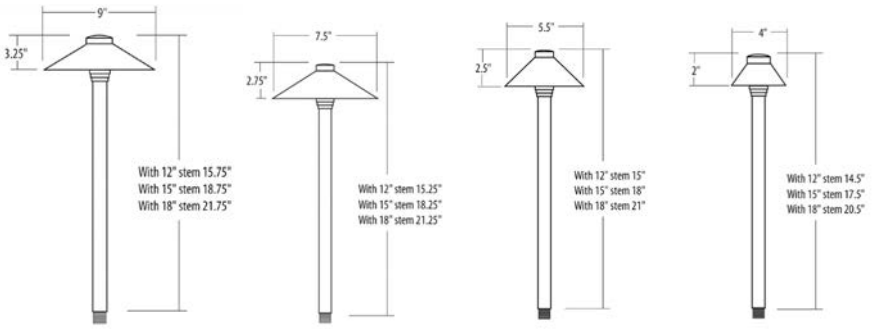
910021S

Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

Overall Dimensions (inches)



Specifications

SKU	Description	Stem Length	Hat Size	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
910021S	PSH055-TB-12-JC3/830/IP65/LED	12"	5.5"	2.5	20	Textured Black	JC3	3000K / Soft White	12	18
910035S	PSH055-TB-18-JC3/830/IP65/LED	18"	5.5"	2.5	20	Textured Black	JC3	3000K / Soft White	12	21.5
910037S	PSH055-TZ-18-JC3/830/IP65/LED	18"	5.5"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	22.3
910128S	PSH055-TZ-12-JC3/830/IP65/LED	12"	5.5"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	17.3
911035S	PSH075-TB-18-JC3/830/IP65/LED	18"	7.5"	2.5	20	Textured Black	JC3	3000K / Soft White	12	19
911037S	PSH075-TZ-18-JC3/830/IP65/LED	18"	7.5"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	30
913021S	PSH040-TB-12-JC3/830/IP65/LED	12"	4"	2.5	20	Textured Black	JC3	3000K / Soft White	12	15.5
913028S	PSH040-TB-15-JC3/830/IP65/LED	15"	4"	2.5	20	Textured Black	JC3	3000K / Soft White	12	16.8
913030S	PSH040-TZ-15-JC3/830/IP65/LED	15"	4"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	16.8
913148S	PSH040-TZ-12-JC3/830/IP65/LED	12"	4"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	15
914028S	PSH090-TB-15-JC3/830/IP65/LED	15"	9"	2.5	20	Textured Black	JC3	3000K / Soft White	12	22.6
914030S	PSH090-TZ-15-JC3/830/IP65/LED	15"	9"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	22
914035S	PSH090-TB-18-JC3/830/IP65/LED	18"	9"	2.5	20	Textured Black	JC3	3000K / Soft White	12	26.5
915310S	PSH055-TZ-15-JC3/830/IP65/LED	15"	5.5"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	18
915311S	PSH055-TB-15-JC3/830/IP65/LED	15"	5.5"	2.5	20	Textured Black	JC3	3000K / Soft White	12	16.2
915314S	PSH075-TZ-15-JC3/830/IP65/LED	15"	7.5"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	22.5
915315S	PSH075-TB-15-JC3/830/IP65/LED	15"	7.5"	2.5	20	Textured Black	JC3	3000K / Soft White	12	23

Straight Path Lights - Fixture Only

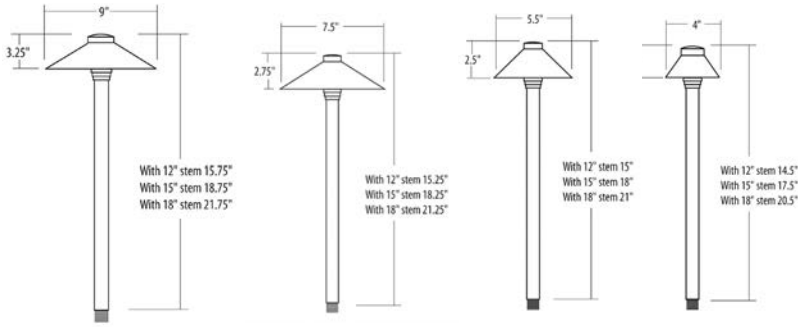
Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

910021

Overall Dimensions (inches)



Specifications

SKU	Description	Stem Length	Hat Size	Finish	Ctn. Qty.	Ctn. Weight (lbs.)
910021	PSH055-TB-12	12"	5.5"	Textured Black	12	18
910023	PSH055-TZ-12	12"	5.5"	Textured Bronze	12	18
910028	PSH055-TB-15	15"	5.5"	Textured Black	12	20
910030	PSH055-TZ-15	15"	5.5"	Textured Bronze	12	19.5
910035	PSH055-TB-18	18"	5.5"	Textured Black	12	21
910037	PSH055-TZ-18	18"	5.5"	Textured Bronze	12	21
911028	PSH075-TB-15	15"	7.5"	Textured Black	12	23
911030	PSH075-TZ-15	15"	7.5"	Textured Bronze	12	22.5
911035	PSH075-TB-18	18"	7.5"	Textured Black	12	20.5
911037	PSH075-TZ-18	18"	7.5"	Textured Bronze	12	24
913021	PSH040-TB-12	12"	4"	Textured Black	12	14.5
913023	PSH040-TZ-12	12"	4"	Textured Bronze	12	15
913028	PSH040-TB-15	15"	4"	Textured Black	12	16
913030	PSH040-TZ-15	15"	4"	Textured Bronze	12	16.5
914028	PSH090-TB-15	15"	9"	Textured Black	12	25
914030	PSH090-TZ-15	15"	9"	Textured Bronze	12	29
914035	PSH090-TB-18	18"	9"	Textured Black	12	26.5
914037	PSH090-TZ-18	18"	9"	Textured Bronze	12	27

Traditional Path Lights

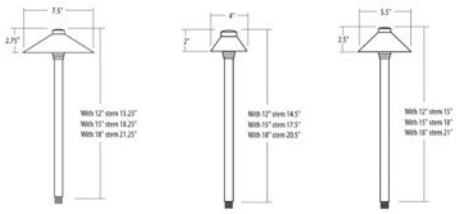
915400

Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

Overall Dimensions (inches)



Specifications

SKU	Description	Stem Length	Hat Size	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
915400	PTH040-AB-12	12"	4"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	19
915402	PTH040-CU-12	12"	4"	Fixture Only	Fixture Only	Copper	Fixture Only	Fixture Only	12	23
915403	PTH040-AB-15	15"	4"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	21
915403S	PTH040-AB-15-JC3/830/IP65/LED	15"	4"	2.5	20	Antique Brass	JC3	3000K / Soft White	12	20.7
915405	PTH040-CU-15	15"	4"	Fixture Only	Fixture Only	Copper	Fixture Only	Fixture Only	12	24
915445S	PTH040-AB-12-JC3/830/IP65/LED	12"	4"	2.5	20	Antique Brass	JC3	3000K / Soft White	12	18.6
915454	PTH055-AB-12	12"	5.5"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	24
915454S	PTH055-AB-12-JC3/830/IP65/LED	12"	5.5"	2.5	20	Antique Brass	JC3	3000K / Soft White	12	22.6
915457	PTH055-AB-15	15"	5.5"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	25.5
915460	PTH055-AB-18	18"	5.5"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	27.5
915460S	PTH055-AB-18-JC3/830/IP65/LED	18"	5.5"	2.5	20	Antique Brass	JC3	3000K / Soft White	12	22
915493S	PTH055-AB-15-JC3/830/IP65LED	15"	5.5"	2.5	20	Antique Brass	JC3	3000K / Soft White	12	23
915511	PTH075-AB-15	15"	7.5"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	30
915511S	PTH075-AB-15-JC3/830/IP65/LED	15"	7.5"	2.5	20	Antique Brass	JC3	3000K / Soft White	12	28.1
915514	PTH075-AB-18	18"	7.5"	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	31
915514S	PTH075-AB-18-JC3/830/IP65/LED	18"	7.5"	2.5	20	Antique Brass	JC3	3000K / Soft White	12	32
915516	PTH075-CU-18	18"	7.5"	Fixture Only	Fixture Only	Copper	Fixture Only	Fixture Only	12	39.5
915562	PTH040-SS-12	12"	4"	Fixture Only	Fixture Only	Stainless Steel	Fixture Only	Fixture Only	12	22
915566	PTH075-SS-15	15"	7.5"	Fixture Only	Fixture Only	Stainless Steel	Fixture Only	Fixture Only	12	32
915567	PTH075-SS-18	18"	7.5"	Fixture Only	Fixture Only	Stainless Steel	Fixture Only	Fixture Only	12	30.5

Dome Path Lights

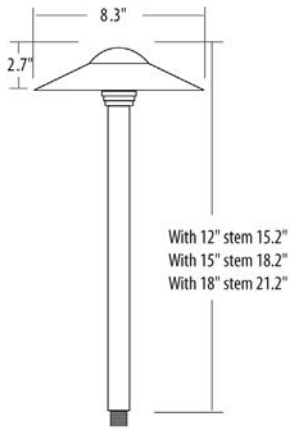
Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

915028

Overall Dimensions (inches)



Specifications

SKU	Description	Stem Length	Hat Size	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
915028	PDO083-TB-15	15"	8.3"	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	25
915030	PDO083-TZ-15	15"	8.3"	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	25
915035	PDO083-TB-18	18"	8.3"	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	27.5
915037	PDO083-TZ-18	18"	8.3"	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	27.5
915037S	PDO083-TZ-18-JC3/830/IP65/LED	18"	8.3"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	24.2
915140S	PDO083-TB-18-JC3/830/IP65/LED	18"	8.3"	2.5	20	Textured Black	JC3	3000K / Soft White	12	26.5
915145S	PDO083-TB-15-JC3/830/IP65/LED	15"	8.3"	2.5	20	Textured Black	JC3	3000K / Soft White	12	23.4
915312S	PDO083-TZ-15-JC3/830/IP65/LED	15"	8.3"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	23.5

Mushroom Path Lights

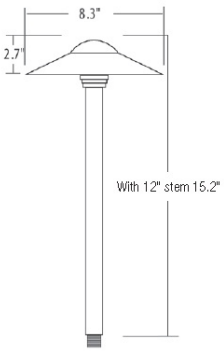
912003

Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

Overall Dimensions (inches)



Mushroom 5"

Lighting

Specifications

SKU	Description	Stem Length	Hat Size	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
912003	PMU050-TB-15	15"	5"	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	26
912005	PMU050-TZ-15	15"	5"	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	24.8
912005S	PMU050-TZ-15-JC3/830/IP65/LED	15"	5"	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	22
912018S	PMU050-TB-15-JC3/830/IP65/LED	15"	5"	2.5	20	Textured Black	JC3	3000K / Soft White	12	22.3

Adjustable Base Path Lights

Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

27550

Specifications

SKU	Description	Stem Length	Hat Size	Finish	Ctn. Qty.	Ctn. Weight (lbs.)
27550	PTH075-AB-1936	19-36"	7.5"	Antique Brass	12	43
27554	PTH075-TB-1936	19-36"	7.5"	Textured Black	12	31
27558	PTH075-TZ-1936	19-36"	7.5"	Textured Bronze	12	31

90° Path Lights

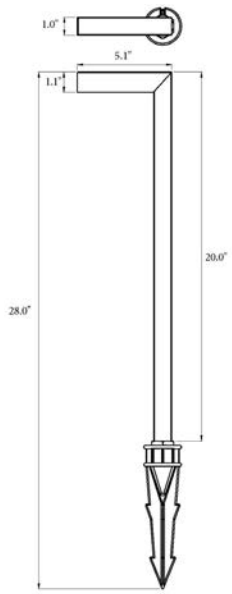
27530

Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

Overall Dimensions (inches)



Specifications

SKU	Description	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
27530	P90-TB-20	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	16.5
27530S	P90-TB-20-JC3/830/IP65/LED	2.5	20	Textured Black	JC3	3000K / Soft White	12	22
27533	P90-TZ-20	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	16
27533S	P90-TZ-20-JC3/830/IP65/LED	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	22
27536	P90-AB-20	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	25
27536S	P90-AB-20-JC3/830/IP65/LED	2.5	20	Antique Brass	JC3	3000K / Soft White	12	22

Bollard Path Lights

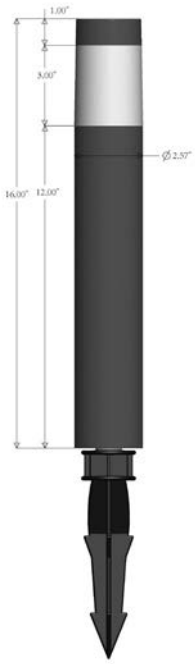
Sollos® Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos® lighting offers select Path Lights in a kitted version which includes an LED lamp.

Features and Benefits

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique

27540

Overall Dimensions (inches)



Specifications

SKU	Description	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
27540	PBL-AB-16	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	34.5
27540S	PBL-AB-16-MR16BAB/827/LED	4	20	Antique Brass	MR16	2700K / Warm White	12	34.5
27543	PBL-TB-16	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	19
27543S	PBL-TB-16-MR16BAB/827/LED	4	20	Textured Black	MR16	2700K / Warm White	12	18.5
27546	PBL-TZ-16	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	19
27546S	PBL-TZ-16-MR16BAB/827/LED	4	20	Textured Bronze	MR16	2700K / Warm White	12	18.5

Surface Mount Step Lights

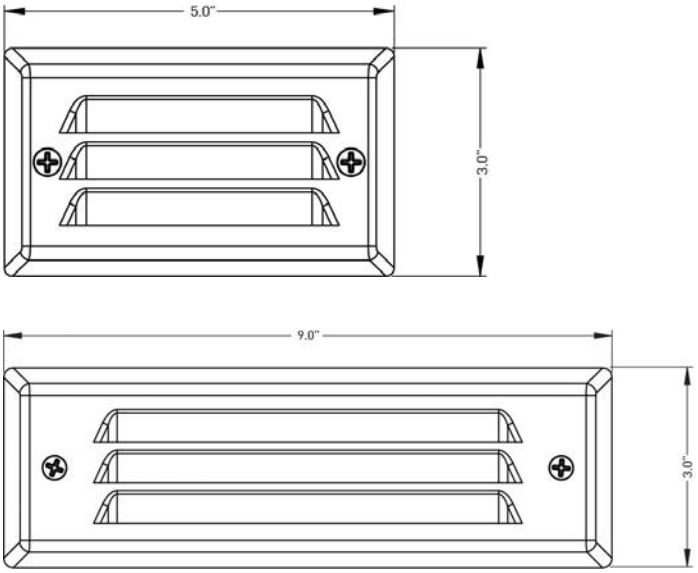
27520

Sollos® Step Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Low profile design that delivers uniform illumination to accentuate key hardscape features
- Shock and heat resistant tempered glass lens
- GU4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors (LLA055 SKUs include 10' of 18-2 wire)
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass, 15-year on copper

Overall Dimensions (inches)



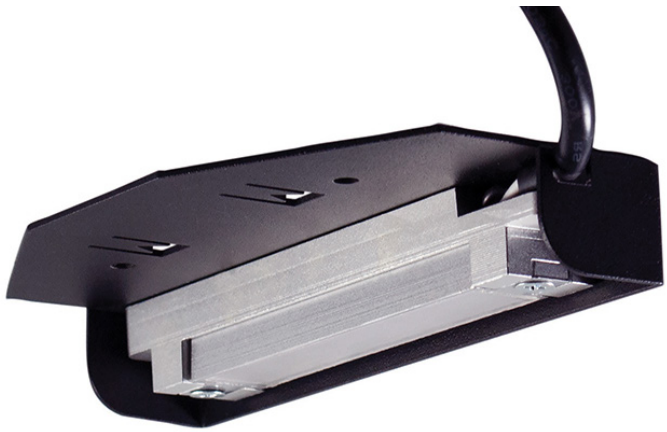
Specifications

SKU	Description	Dimensions	Finish	Wattage	Wattage Equiv.	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
27520	SMSL050/827/TB	3" x 5"	Textured Black	2.5	20	2700K / Warm White	12	9
27521	SMSL050/827/TZ	3" x 5"	Textured Bronze	2.5	20	2700K / Warm White	12	16.5
27522	SMSL050/827/AB	3" x 5"	Antique Brass	2.5	20	2700K / Warm White	12	17
27523	SMSL090/827/TB	3" x 9"	Textured Black	5	35	2700K / Warm White	24	21
27524	SMSL090/827/TZ	3" x 9"	Textured Bronze	5	35	2700K / Warm White	24	21.5
27525	SMSL090/827/AB	3" x 9"	Antique Brass	5	35	2700K / Warm White	12	23.5

Sollos® Ledge lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

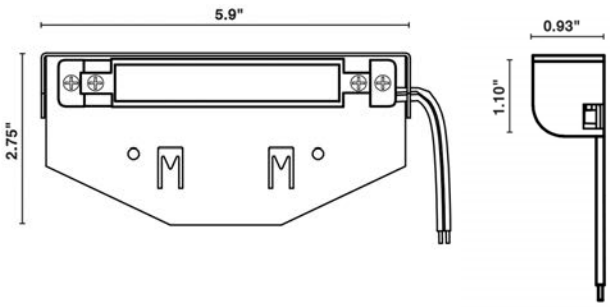
Features and Benefits

- Low profile design that delivers uniform illumination to accentuate key hardscape features
- Shock and heat resistant tempered glass lens
- Ledge Lights offer a GU 4 bi-pin socket
- Includes pre-wired 10' lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass; 15-year on copper



99960

Overall Dimensions (inches)



Specifications

SKU	Description	Finish	Wattage	Wattage Equiv	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
99960	LLA055/827/TB	Textured Black	0.6	10	Integrated	2700K / Warm White	24	16
99961	LLA055/827/TZ	Textured Bronze	0.6	10	Integrated	2700K / Warm White	24	16
99980	LLA055/827/AB	Antique Brass	0.6	10	Integrated	2700K / Warm White	24	20.5

Deck Post Lights

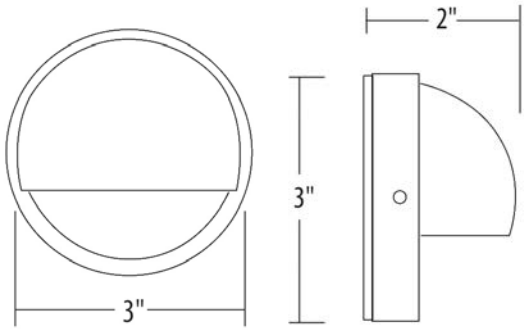
940002

Sollos® Deck Post lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Low profile design that delivers uniform illumination to accentuate key hardscape features
- Shock and heat resistant tempered glass lens
- Post Lights offer a GU 4 bi-pin socket
- Includes pre-wired 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass; 15-year on copper

Overall Dimensions (inches)



Specifications

SKU	Description	Finish	Wattage	Wattage Equiv	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
940002	DPL033-TB	Textured Black	Fixture Only	Fixture Only	Fixture Only	Fixture Only	12	7
940003	DPL033-TZ	Textured Bronze	Fixture Only	Fixture Only	Fixture Only	Fixture Only	12	7
940014S	DPL033-TB-JC1/830/IP65/LED	Textured Black	1.2	10	JC10	3000K / Soft White	12	7.3
940015S	DPL033-TZ-JC1/830/IP65/LED	Textured Bronze	1.2	10	JC10	3000K / Soft White	12	7.3
940025S	DPL033-AB-JC1/830/IP65/LED	Antique Brass	1.2	10	JC10	3000K / Soft White	12	13.4
997104	DPL033-AB	Antique Brass	Fixture Only	Fixture Only	Fixture Only	Fixture Only	12	13

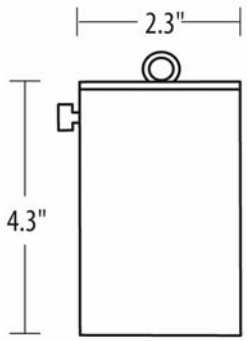
Sollos® Hanging Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Low profile design that delivers uniform illumination to accentuate key hardscape features
- Shock and heat resistant tempered glass lens
- Hanging Lights offer a GU 5.3 bi-pin socket
- Includes pre-wired 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass; 15-year on copper

943021S

Overall Dimensions (inches)



Specifications

SKU	Description	Finish	Wattage	Wattage Equiv	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
943021S	HLS043-ABMR16WFL10/827/LED	Antique Brass	2.5	10	MR16	2700K / Warm White	12	13.2
997402	HLS043-AB	Antique Brass	Fixture Only	Fixture Only	Fixture Only	Fixture Only	12	13.5

Mini Flood Lights

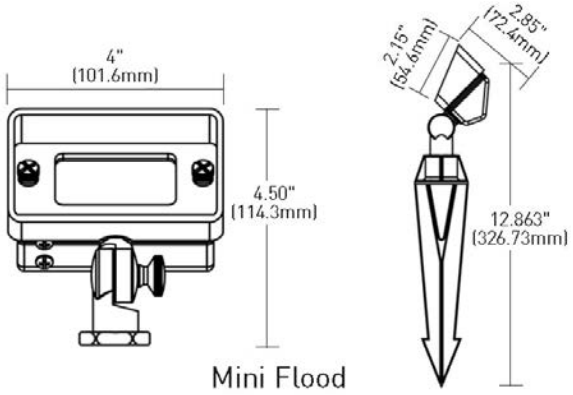
27504S

Sollos® Flood, In-Ground, Well and Underwater Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Small footprint, with maximum light delivery and coverage
- Fixtures are offered in aluminum or heavy duty construction antique brass
- Shock and heat resistant tempered glass lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass. 15-year on copper

Overall Dimensions (inches)



Lighting

Specifications

SKU	Description	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
27504S	FRF057-AB-JC3/830/OMNI/IP65/LED	2.5	20	Antique Brass	JC3	3000K / Soft White	12	24
995405	FRF057-AB	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	12	24
995407	FRF057-TB	Fixture Only	Fixture Only	Textured Black	Fixture Only	Fixture Only	12	14.5
995409	FRF057-TZ	Fixture Only	Fixture Only	Textured Bronze	Fixture Only	Fixture Only	12	14
995410S	FRF057-AB-JC35/4WW/LED	4.5	35	Antique Brass	JC3	3000K / Soft White	12	24.5
995411S	FRF057-TB-JC35/4WW/LED	4.5	35	Textured Black	JC3	3000K / Soft White	12	13
995412S	FRF057-TB-JC3/830/OMNI/IP65/LED	2.5	20	Textured Black	JC3	3000K / Soft White	12	15.5
995413S	FRF057-TZ-JC35/4WW/LED	4.5	35	Textured Bronze	JC3	3000K / Soft White	12	14.7
995414S	FRF057-TZ-JC3/830/OMNI/IP65/LED	2.5	20	Textured Bronze	JC3	3000K / Soft White	12	14.5

Par 36 Round Up Lights

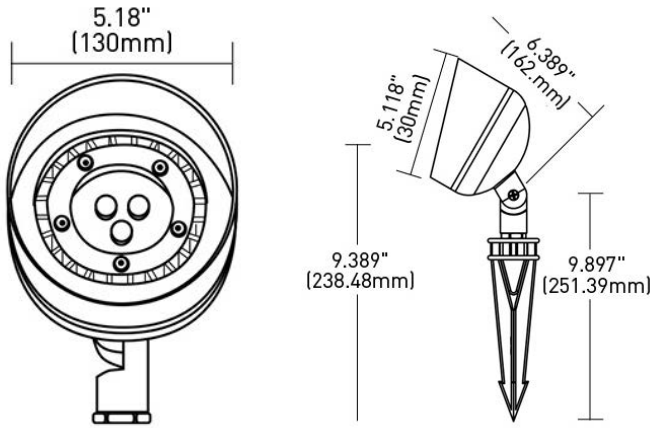
Sollos® Flood, In-Ground, Well and Underwater Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Small footprint, with maximum light delivery and coverage
- Fixtures are offered in aluminum or heavy duty construction antique brass
- Shock and heat resistant tempered glass lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass. 15-year on copper

999995

Overall Dimensions (inches)



Lighting

Specifications

SKU	Description	Finish	Ctn. Qty.	Ctn. Weight (lbs.)
999995	BSB036-TZ	Textured Bronze	10	21
999996	BSB036-TB	Textured Black	10	21.5
999997	BSB036-AB	Antique Brass	10	35

In-Ground Lights

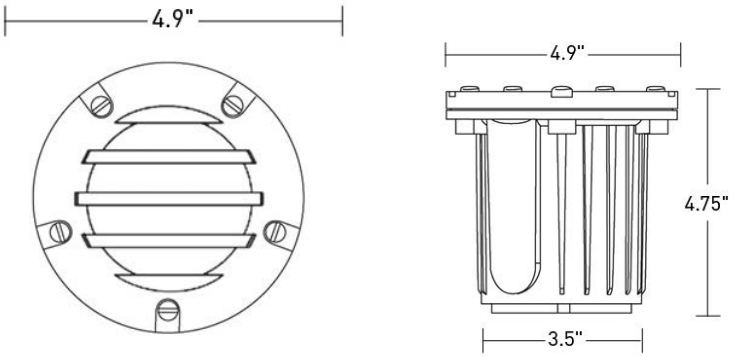
996100

Sollos® Flood, In-Ground, Well and Underwater Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors.

Features and Benefits

- Small footprint, with maximum light delivery and coverage
- Fixtures are offered in aluminum or heavy duty construction antique brass
- Shock and heat resistant tempered glass lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass. 15-year on copper

Overall Dimensions (inches)



Lighting

Specifications

SKU	Description	Finish	Style	Ctn. Qty.	Ctn. Weight (lbs.)
996100	GT049-CB	Composite Black	Trim Ring	12	19
996132	IGT049-AB	Antique Brass	Trim Ring	12	14.5
996134	IGT049-SS	Stainless Steel	Trim Ring	12	24
996200	IGG049-CB	Composite Black	Rock Guard	12	19.5
996232	IGG049-AB	Antique Brass	Rock Guard	12	24
996234	IGG049-SS	Stainless Steel	Rock Guard	12	26

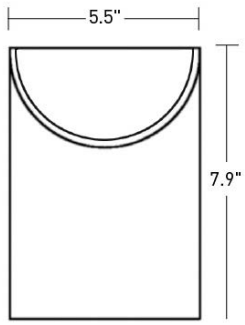
Sollos® Flood, In-Ground, Well and Underwater Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Small footprint, with maximum light delivery and coverage
- Fixtures are offered in aluminum or heavy duty construction antique brass
- Shock and heat resistant tempered glass lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass; 15-year on copper

932017S

Overall Dimensions (inches)



Lighting

Specifications

SKU	Description	Finish	Wattage	Wattage Equiv.	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
932017S	WPO055-CB-PAR36/WFL4/827/IP67/LED	Composite Black	4.5	20	2700K / Warm White	1	3
932018S	WPO055-CB-PAR36/WFL6/827/IP67/LED	Composite Black	6.5	35	2700K / Warm White	1	3
932019S	WPO055-CB-PAR36/WFL12/827/IP67/LED	Composite Black	12.5	50	2700K / Warm White	1	3.1
996300	WPO055-CB	Composite Black	Fixture Only	Fixture Only	Fixture Only	12	19

Underwater Pond & Fountain Lights

998012

Sollos® Underwater Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos® lighting offers select fixtures in a kitted version which includes an LED lamp.

Features and Benefits

- Small footprint, with maximum light delivery and coverage
- Fixtures are offered in aluminum or heavy duty construction antique brass
- Shock and heat resistant tempered glass lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass. 15-year on copper

Specifications

SKU	Description	Wattage	Wattage Equiv	Finish	Lamp Type	CCT	Ctn. Qty.	Ctn. Weight (lbs.)
998012	UWL-R33-AB	Fixture Only	Fixture Only	Antique Brass	Fixture Only	Fixture Only	6	24
999998S	UWL-R33-AB-30K	4.5	20	Antique Brass	MR16	3000K / Soft White	6	24.5

Sollos® ColorSplash® Lamps

Instantly transform your property with the Sollos ColorSplash RGB-W lamps. These lamps provide brilliant color and warm white in a single LED lamp while delivering substantial energy savings over 20W and 35W halogen lamps. Use of the Sollos ColorSplash app allows for easy set-up and control of your lights.

Features and Benefits

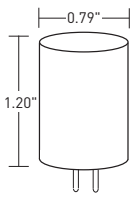
- RGBW and Warm White (2700K)
- 80% more efficient than Halogen equiv
- Controlled with the Sollos® ColorSplash App
- Maximum App connection of 128 devices
- Five-year warranty

JC10

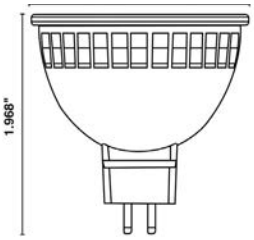
MR16

PR36

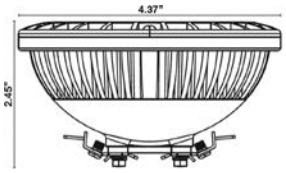
27514



Base G4
JC10



Base GU5.3
MR16



PAR36

Specifications

SKU	Description	Wattage	Lamp	CCT	Lumens	Ctn. Weight (lbs.)
82099B	MR16FL6/RGBW/LED	6	MR16	RGBW / Color	400	32
82142B	PAR36WFL10/RGBW/LED	10	PAR36	RGBW / Color	800	27
82143B	JC10/RGBW/LED	1.5	JC10	RGBW / Color	120	3.5

Sollos® Accessories

Riser 12"-18"

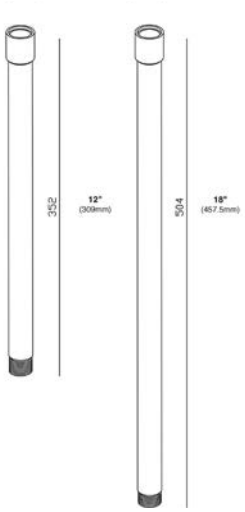
Mounting Plate

Ground Stake 8"

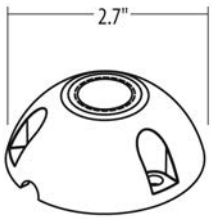
Timer, Digital

Timer, Analog

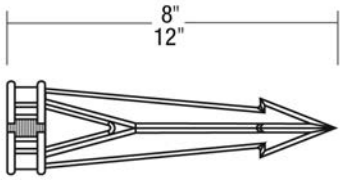
Sollos Accessories – Risers, Deck Mount, Photocells and Timers



P061 Riser 12"- 18"



Mounting Plate



Ground Stake 8"

Specifications

SKU	Description	Finish	Type	Rating (in.)	Ctn. Qty.	Ctn. Weight (lbs.)
998005	RSR12-TZ	Textured Bronze	Riser	12	1	5.6
998006	RSR12-TB	Textured Black	Riser	12	1	5.6
998007	RSR18-TZ	Textured Bronze	Riser	18	24	19
998008	RSR18-TB	Textured Black	Riser	18	24	19
998100	GS08	—	Ground Stake	8	48	12.5
998106	RSR12-AB	Antique Brass	Riser	12	24	15
998108	RSR18-AB	Antique Brass	Riser	18	24	20
998140	DMT027-TB	Textured Black	Mounting Plate		24	2
998141	DMT027-TZ	Textured Bronze	Mounting Plate		24	3
998142	DMT027-AB	Antique Brass	Mounting Plate		24	7
998200	TMA	—	Timer, Analog		36	14
998205	TMDA	—	Timer, Digital Astronomic		12	6
998300	PCS	—	Photo Cell		100	17

Specifications

Bullet and Path Lights

MODEL NUMBER	27806	27800	27811
Description	SSP-1-TZ	SSP-1-TB	SSP-1-AB
Finish	Textured Bronze	Textured Black	Antique Brass
Fixtures	6 each Bullets and LED Lamps	6 each Bullets and LED Lamps	6 each Bullets and LED Lamps
Description	BCB065-TZ and MR16FL4/827/LED	BCB065-TB and MR16BAB/827/LED	BCB065-AB and MR16BAB/827/LED
Additional Fixtures	4 each Paths and LED Lamps	4 each Paths and LED Lamps	4 each Paths and LED Lamps
Description	PSH075-TZ-18 and JC3/830/OMNI/IP65/LED	PSH075-TB-18 and JC3/830/OMNI/IP65/LED	PTH075-AB-18 and JC3/830/OMNI/IP65/LED
Transformer	1 each Transformer: Integrated timer/ photocell 150W transformer	1 each Transformer: Integrated timer/ photocell 150W transformer	1 each Transformer: Integrated timer/photocell 150W transformer
Description	TR15SS1-INT-150	TR15SS1-INT-150	TR15SS1-INT-150

Ledge Lights

MODEL NUMBER	99985	27816	27818	27815	27825	27826
Description	HKPP-1	HKLLT-2	HKPP-2	HKLLT-1	HKLLT-4	HKLLT-5
Finish	Textured Bronze	Textured Bronze	Textured Black	Textured Black	Textured Black	Textured Bronze
Fixtures	10 each Ledge Lights	10 each Ledge Lights	10 each Ledge Lights	10 each Ledge Lights	10 Each RGBW Ledge Lights	10 Each RGBW Ledge Lights
Description	LLA055/827/TZ	LLA055/827/TZ	LLA055/827/TB	LLA055/827/TB	LLA055/RGBW/TB	LLA055/RGBW/TZ
Transformer	1 each Transformer: Integrated timer/ photocell 150W transformer	1 each Transformer: Integrated timer/ photocell 150W transformer	1 each Transformer: Integrated timer/ photocell 150W transformer	1 each Transformer: Integrated timer/ photocell 150W transformer	1 each Transformer: Integrated timer/ photocell 150W transformer	1 each Transformer: Integrated timer/ photocell 150W transformer
Description	TR15SS1-INT-150	TR15SS1-INT-150	TR15SS1-INT-150	TR15SS1-INT-150	TTR15SS1-INT-150	TR15SS1-INT-150
Cable	1 each Spool of 100' 14/2 Landscape Lighting Cable + 1 Cable Cutter/ Splicer Tool		1 each Spool of 100' 14/2 Landscape Lighting Cable + 1 Cable Cutter/ Splicer Tool			

27806 and 27800

27811

99985 & 27818 ONLY

27816 and 27815

Sollos® Lamps

Specifications

Model Number	Base	Product Code	Description	Pkg Qty.	Volts	Color Temp	Power	Lumens	CBCP	Equiv. Wattage	Avg. Life	MOL	Beam Spread
MR16 LED Lamps, 10W Equivalent, MR Silver Series													
81055	GU5.3	MR16NFL10/827/LED	Narrow Flood 2700K LED	1/10	10-18	2700K	2.5W	200	800	10W	40000	1.97"	20°
81079	GU5.3	MR16NFL10/830/LED	Narrow Flood 3000K LED	1/10	10-18	3000K	2.5W	210	830	10W	40000	1.97"	20°
81056	GU5.3	MR16FL10/827/LED	Flood 2700K LED	1/10	10-18	2700K	2.5W	200	300	10W	40000	1.97"	40°
81077	GU5.3	MR16FL10/830/LED	Flood 3000K LED	1/10	10-18	3000K	2.5W	210	320	10W	40000	1.97"	40°
81058	GU5.3	MR16FL10/850/LED	Flood 5000K LED	1/10	10-18	5000K	2.5W	230	350	10W	40000	1.97"	40°
81057	GU5.3	MR16WFL10/827/LED	Wide Flood 2700K LED	1/10	10-18	2700K	2.5W	200	200	10W	40000	1.97"	60°
81080	GU5.3	MR16WFL10/830/LED	Wide Flood 3000K LED	1/10	10-18	3000K	2.5W	210	220	10W	40000	1.97"	60°
MR16 LED Lamps, 20W Equivalent, MR Silver Series													
81059	GU5.3	MR16BBF/827/LED	Narrow Flood 2700K LED	1/10	10-18	2700K	4W	270	900	20W	40000	1.97"	20°
81081	GU5.3	MR16BBF/830/LED	Narrow Flood 3000K LED	1/10	10-18	3000K	4W	280	1100	20W	40000	1.97"	20°
81060L	GU5.3	MR16BAB/827/LED	Flood 2700K LED	1/10	10-18	2700K	4W	270	440	20W	40000	1.97"	40°
81062L	GU5.3	MR16BAB/830/LED	Flood 3000K LED	1/10	10-18	3000K	4W	280	500	20W	40000	1.97"	40°
81063L	GU5.3	MR16BAB/850/LED	Flood 5000K LED	1/10	10-18	5000K	4W	310	530	20W	40000	1.97"	40°
81061L	GU5.3	MR16WFL20/827/LED	Wide Flood 2700K LED	1/10	10-18	2700K	4W	270	210	20W	40000	1.97"	60°
81082	GU5.3	MR16WFL20/830/LED	Wide Flood 3000K LED	1/10	10-18	3000K	4W	280	230	20W	40000	1.97"	60°
MR16 LED Lamps, 35W Equivalent, MR Silver Series													
81064	GU5.3	MR16FRA/827/LED	Narrow Flood 2700K LED	1/10	10-15	2700K	4.5W	270	900	35W	40000	1.97"	20°
81083	GU5.3	MR16FRA/830/LED	Narrow Flood 3000K LED	1/10	10-15	3000K	4.5W	280	1100	35W	40000	1.97"	20°
81065	GU5.3	MR16FMW.827/LED	Flood 2700K LED	1/10	10-15	2700K	4.5W	270	440	35W	40000	1.97"	40°
81067	GU5.3	MR16FMW/830/LED	Flood 3000K LED	1/10	10-15	3000K	4.5W	280	500	35W	40000	1.97"	40°
81068	GU5.3	MR16FMW/850/LED	Flood 5000K LED	1/10	10-15	5000K	4.5W	310	530	35W	40000	1.97"	40°
81066	GU5.3	MR16WFL35/827/LED	Wide Flood 2700K LED	1/10	10-15	2700K	4.5W	270	210	35W	40000	1.97"	60°
81084	GU5.3	MR16WFL35/830/LED	Wide Flood 3000K LED	1/10	10-15	3000K	4.5W	280	230	35W	40000	1.97"	60°
MR16 LED Lamps, 50W Equivalent, MR Silver Series													
81069L	GU5.3	MR16EXZ/827/LED	Narrow Flood 2700K LED	1/10	10-18	2700K	8W	590	2700	50W	40000	1.97"	20°
81085	GU5.3	MR16EXZ/830/LED	Narrow Flood 3000K LED	1/10	10-18	3000K	8W	600	2800	50W	40000	1.97"	20°
81070L	GU5.3	MR16EXN/827/LED	Flood 2700K LED	1/10	10-18	2700K	8W	590	1100	50W	40000	1.97"	40°
81072L	GU5.3	MR16EXN/830/LED	Flood 3000K LED	1/10	10-18	3000K	8W	600	1200	50W	40000	1.97"	40°
81073L	GU5.3	MR16EXN/850/LED	Flood 5000K LED	1/10	10-18	5000K	8W	660	1400	50W	40000	1.97"	40°
81071L	GU5.3	MR16FNV827/LED	Wide Flood 2700K LED	1/10	10-18	2700K	8W	590	500	50W	40000	1.97"	60°
81086	GU5.3	MR16FNV/830/LED	Wide Flood 3000K LED	1/10	10-18	3000K	8W	600	520	50W	40000	1.97"	60°
MR16 LED Lamps, 20W-35W Equivalent, MR Black Series													
81103L	GU5.3	MR16NFL4/827/LED	Narrow Flood-LED MR Black Series	1/10	10-15	2700K	4W	250	860	20W	30000	1.97"	20°
81098	GU5.3	MR16FL4/827/LED	Flood-LED MR Black Series	1/10	10-15	2700K	4W	250	410	20W	30000	1.97"	40°
81099	GU5.3	MR16WFL4/827/LED	Wide Flood-LED MR Black Series	1/10	10-15	2700K	4W	250	200	20W	30000	1.97"	60°
82094	GU5.3	MR16NFL4.5/827/LED	Narrow Flood-LED MR Black Series	1/10	10-15	2700K	4.5W	390	NA	35W	30000	1.97"	20°
82095	GU5.3	MR16FL4.5/827/LED	Flood-LED MR Black Series	1/10	10-15	2700K	4.5W	390	NA	35W	30000	1.97"	40°

MR16

MR16 (BLACK)

Specifications

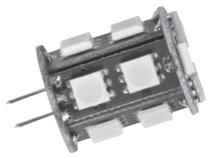
Model Number	Base	Product Code	Description	Pkg Qty.	Volts	Color Temp	Power	Lumens	CBCP	Equiv. Wattage	Avg. Life	MOL	Beam Spread
MR11 LED Lamp, 20W Equivalent													
81096	GU4	MR11FTC/827/LED	Narrow Flood 2700K LED	1/10	10-18	2700K	3W	230	600	20W	40000	1.97"	22°
81093	GU4	MR11FTD/827/LED	Narrow Flood 3000K LED	1/10	10-18	2700K	3W	230	420	20W	40000	1.97"	30°
81094	BA15d	MR11FTD/827/BA15D/LED	Flood 2700K LED	1/10	10-18	2700K	3W	230	420	20W	40000	1.97"	30°
81095	GU4	MR16EXN/830/LED	Flood 3000K LED	1/10	10-18	5000K	3W	230	500	20W	40000	1.97"	30°
JC Series LED Lamps, 10-35W Equivalent													
81998	G4	JC1/830/OMNI/IP65/LED	IP65 Omnidirectional LED	1/10	10-15	3000K	1.2W	110	—	10W	15000	1.18"	—
81091	G4	JC2S/827/LED2	IP65 Rated 2700K Short LED	1/10	10-15	2700K	1.4W	140	—	20W	40000	0.98"	—
81092	G4	JC2S/830/LED2	IP65 Rated 3000K Short LED	1/10	10-15	3000K	1.4W	150	—	20W	40000	0.98"	—
80693	G4	JC10/1WW/LED	3000K LED	1/10	10-24	3000K	1.5W	150	—	20W	30000	1.21"	—
80692	BA15S	JC10/1WW/BA15S/LED	Omnidirectional LED	1/10	10-24	3000K	1.5W	150	—	20W	30000	1.70"	—
81999	G4	JC2/830/OMNI/IP65/LED	IP65 Omnidirectional LED	1/10	10-15	3000K	1.6W	180	—	20W	15000	1.46"	—
81109	G4	JC2/827/LED2	IP65 Rated 2700K LED	1/10	10-15	2700K	2.3W	250	—	20W	40000	1.57"	—
81108	G4	JC20/2WW/LED2	IP65 Rated 3000K LED	1/10	10-15	3000K	2.3W	250	—	20W	40000	1.57"	—
80690	G4	JC20/2WW/LED	3000K LED	1/10	10-24	3000K	2.4W	250	—	20W	30000	1.81"	—
80691	BA15S	JC20/2WW/BA15S/LED	3000K LED	1/10	10-24	3000K	2.4W	250	—	20W	30000	2.01"	—
80815	G4	JC20/2NW/LED	Omnidirectional 5000K	1/10	10-15	5000K	2.4W	260	—	20W	30000	1.81"	—
81100L	BA15S	JC20/2WW/BA15S/LED2	3000K LED	1/10	10-15	3000K	2.3W	250	—	20W	40000	2.00"	—
81996	G4	JC3/830/OMNI/IP65/LED	IP65 Omnidirectional LED	1/10	10-15	3000K	2.5W	250	—	30W	15000	1.46"	—
81078	G4	JC3VWFL/827/LED	2700K 100 DEGREE LED	1/10	10-15	3000K	3.3W	250	—	20W	25000	1.40"	—
80830	GY6.35	JC35/4WW/LED	3000K LED	1/10	10-18	3000K	4.5W	450	—	35W	30000	2.03"	—
81997	GY6.35	JC50/5WW/LED	3000K LED	1/10	10-18	3000K	5.5W	550	—	50W	30000	2.03"	—
Par36 LED Lamp, 20W-50W Equivalent													
81074	MP-Term	PAR36WFL4/827/IP67/LED	Wide Flood IP67 Rated 2700K LED	1/6	10-15	2700K	4.5W	300	700	20W	40000	2.40"	40°
81075	MP-Term	PAR36WFL6/827/IP67/LED	Wide Flood IP67 Rated 2700K LED	1/6	10-15	2700K	6.5W	450	1100	35W	40000	2.40"	40°
81076	MP-Term	PAR36WFL12/827/IP67/LED	Wide Flood IP67 Rated 2700K LED	1/6	10-15	2700K	12.5W	800	2000	50W	40000	2.40"	40°
Wedge Base LED Lamp, 10W-35W Equivalent													
80791	Wedge	912/1WW/LED	Mini-Wedge 3000K LED	1/10	10-18	3000K	1W	75	—	10W	20000	1.18"	—
81102L	Wedge	912/1WW/LED2	IP65 Rated Mini-Wedge 3000K LED	1/10	10-15	3000K	1.2W	125	—	20W	40000	1.51"	—
81101L	Wedge	3155/2WW/LED2	IP65 Rated Wedge 3000K LED	1/10	10-15	3000K	2.3W	250	—	35W	40000	1.67"	—

MR11

JC1 (81996)

JC2 (81999)

JC3 (81996)


JC10

JC20

JC35

JC50

PAR36

WEDGE

UNWIND BETTER.

Nothing enhances your backyard quite like a stunning visual centerpiece. Hayward's elegant collection of LED WaterBowls and LED Sheers offer a range of sights, sounds and sensations to create the perfect ambiance for any occasion—and with effortless integration with Omni® automation, setting the mood only takes a few taps.

Color combination only available with OmniDirect mode.

LED WATERBOWL

for a soothing spillover from a decorative vessel

» Metallic finishes
» Square/round base shapes available
» Waterbowl Finish Options: Brass, Copper, Bronze, Pewter

LED SHEER

for a glossy waterfall along wall surfaces

» Available in lengths from 1' to 8'
» Industry-first top-access light eliminates light loss, regardless of length
» For straight, curved or custom walls

VISUALLY STUNNING VALUE-ADDS FOR NEW BUILDS AND RENOVATIONS

LED WaterBowls

Round (left) and Square (right) WaterBowls

No Pool is Complete without a Stunning Statement Piece.

LED WaterBowls from Hayward make an elegant addition to any new build or renovation, helping to transform the space with a stunning architectural focal point. Built with soothing LED lighting that integrates seamlessly with Omni® automation and transitions effortlessly from day tonight, WaterBowls are the perfect way for pool owners to add a personal touch to the backyard with unprecedented convenience.

Features

- Light offers 10 fixed colors and 7 color-changing light shows
- OmniDirect Mode™ compatible for additional lighting shows and colors, dimming control, flicker mode and more
- Square or round base shapes available
- Available in 4 metallic composite finishes
- Sculpted from durable, UV-resistant material

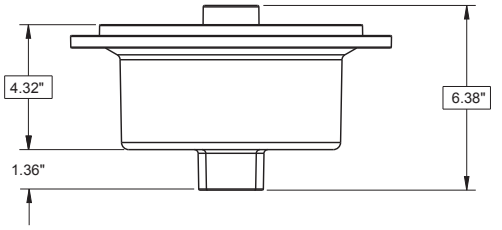
Specifications

Model Number	Finish	Shape	Ctn. Qty.	Ctn. Weight
WaterBowls Only				
WFBRNDBRS	Brass	Round	1	65 lbs.
WFBSQRBRS	Brass	Square	1	65 lbs.
WFBRNDBRNZ	Bronze	Round	1	65 lbs.
WFBSQRBRNZ	Bronze	Square	1	65 lbs.
WFBRNDCPR	Copper	Round	1	65 lbs.
WFBSQRCPR	Copper	Square	1	65 lbs.
WFBRNDPEW	Pewter	Round	1	65 lbs.
WFBSQRPEW	Pewter	Square	1	65 lbs.

Model Number	Description	Voltage	Ctn. Qty.	Weight
LED Light				
LBCUS11100L	Waterbowl 100' Led Light, Light Only	12-15V	1	10 lbs.
LBCUS11100LP	Waterbowl 100' LED P Light, Light Only	12-15V	1	10 lbs.
LBCUS11150L	Waterbowl 150' Led Light, Light Only	12-15V	1	15 lbs.
LBCUS11150LP	Waterbowl 150' LED P Light, Light Only	12-15V	1	15 lbs.
Spares				
GLXWBNICHE	Bowl Niche Replacement Kit		1	5 lbs.
GLXWBGSK	Bowl Gasket Replacement Kit		1	1 lb.
GLXWBBKHD	Bowl Bulkhead and Nut Replacement Kit		1	5 lbs.
GLXWFBSCUPSQR	SCUPPER – for Square Bowl Kit (S/S)		1	1 lb.
GLXWFBSCUPRND	SCUPPER – for Round Bowl Kit (S/S)		1	1 lb.
GLXWFBSPTCLR	Bowl Water Spout Replacement Kit 'Clear'		1	1 lb.
GLXWFBSPACE	Lower Spacer 1/2' for 'Glass' Bowl Kit		1	1 lb.
GLXWBCLRGSK	Bowl Gasket Replacement Kit 'Clear'		1	1 lb.
GLXWBBKCLRHD	Bowl Bulkhead and Nut Replacement Kit 'Clear'		1	5 lbs.

Flow Rate	
GPM Range	**Outcome**
< 10	Not enough water flow
10-24gpm	Acceptable range
15-20gpm	"Ideal" range
⩾ 25gpm	Bowl will overflow

Overall Dimensions (inches)



Enhance any Pool's Ambiance with Dramatic Sights and Sounds.

Hayward LED Sheers help transform any new build or renovation pool into a sophisticated aquatic escape, allowing pool owners to integrate mesmerizing water effects in a variety of colors, shapes and designs made to complement any backyard aesthetic.

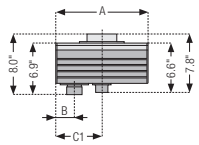
Features

- Controllable with Omni® automation systems*
- Industry-first top-access light eliminates light loss, regardless of length
- Available in lengths from 1' to 8'
- Variable projection distances based on flow rate
- For straight, curved or custom wall surfaces

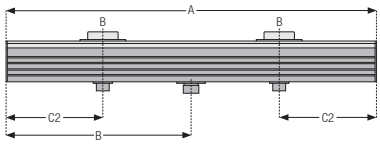
Recommended Plumbing Size	
Waterfall Length	**Supply Pipe Size**
Less than 18 in.	1 1/2 in.
18 in.–4 ft.	2 in.
Greater than 4 ft.	3 in.

Overall Dimensions (inches)

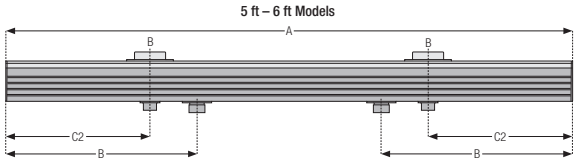
1 ft – 3 ft Models

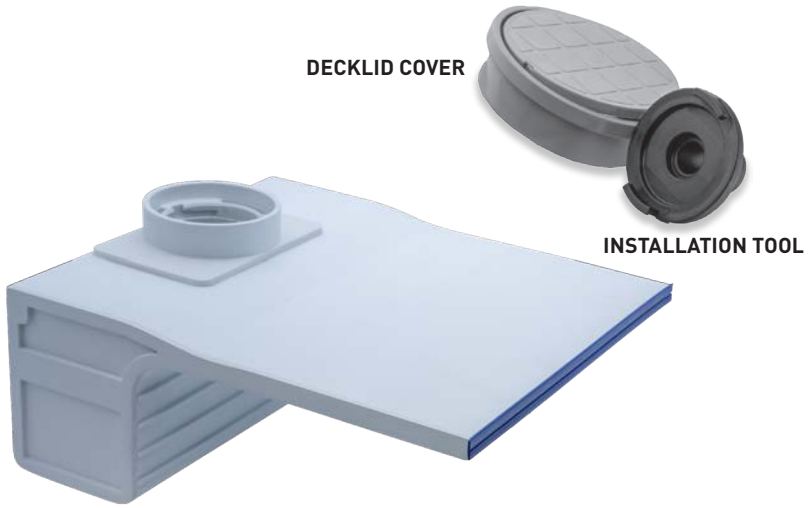


4 ft Models



5 ft – 6 ft Models





LED WaterFall

Specifications

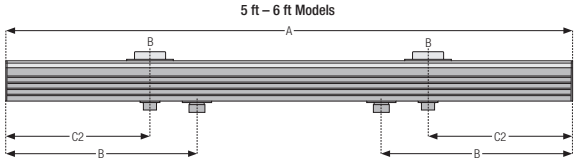
Model Number	Description	Dimensions in Inches A	B	C1	C2	C3	Waterfall Length	Ctn. Weight
WaterFall Only (for use with LED Light)								
WFS512B6LED	Bottom Feed Only	12.0	2.2	6.2	—	—	1'	10 lbs.
WFS518B6LED	Bottom Feed Only	18.0	4.4	9.2	—	—	18"	17 lbs.
WFS524B6LED	Bottom Feed Only	24.0	7.4	12.2	—	—	2'	13.5 lbs.
WFS536B6LED	Bottom Feed Only	36.0	13.4	18.2	—	—	3'	25 lbs.
WFS548B6LED	Bottom Feed Only	48.0	24.2	—	12.4	—	4'	35 lbs.
WFS560B6LED	Bottom Feed Only	60.0	19.9	—	15.2	—	5'	40 lbs.
WFS572B6LED	Bottom Feed Only	72.0	24.2	—	18.2	—	6'	55 lbs.
WFS584B6LED	Bottom Feed Only	84.0	25.9	—	21.2	42.2	7'	62 lbs.
WFS596B6LED	Bottom Feed Only	96.0	24.2	—	15.2	48.2	8'	70 lbs.

Model Number	Description	Voltage	Ctn. Weight
LED Light**			
LFCUS11100	Waterfall 100' LED Light	12-15V	10 lbs.
LFCUS11150	Waterfall 150' LED Light	12-15V	13.5 lbs.

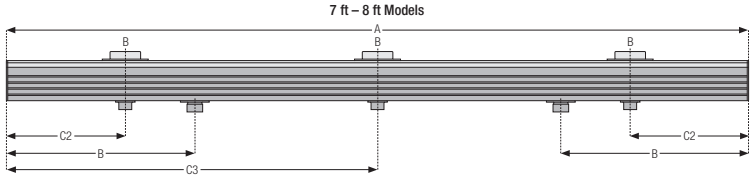
NOTES: *Hayward 10 colors/7 shows or OmniDirect Compatible
**Use one (1) light per every 3 ft. of length.

Spares		
GLXWFSORGKIT	Top and Bottom O-Rings Kit (3 each)	1 lb.
GLXWFSKTTOOL	Engine Inst. Tool and Ext. Tool Kit	1 lb.
GLXWFSTANLID	Deck Lid and Collar Kit (Tan)	1.25 lbs.
GLXWFSWHTELID	Deck Lid and Collar Kit (White)	1.25 lbs.
GLXWFSGRYLID	Deck Lid and Collar Kit (Gray)	1.25 lbs.
GLXWFSDKGRYLID	Deck Lid and Collar Kit (Dark Gray)	1.25 lbs.
GLXWFSBLKLID	Deck Lid and Collar Kit (Black)	1.25 lbs.

5 ft – 6 ft Models



7 ft – 8 ft Models



ColorLogic® Bubbler

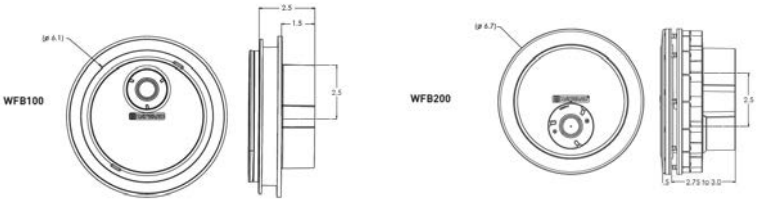
WFB100 (left) and WFB200 (right)

The ColorLogic® Bubbler creates a cascading column of water that when matched with Hayward's ColorLogic Lighting results in the ultimate backyard ambiance. The ColorLogic Bubbler is easy to customize with the ability to change outer ring colors. In addition, Hayward offers a wider variety of installation options up to 12" in water depth.

Features and Benefits

- Illuminate the ColorLogic Bubbler utilizing ColorLogic or CrystaLogic® 320 lighting for a wide variety of options
- Small footprint with interchangeable color trim options and a flush design for seamless integration to the pool surface
- Multiple nozzles offer a wide variety of water heights and widths to match any pool environment
- With an installation range of 2"–12" below the water surface, the ColorLogic Bubbler plume height offers a wider variety of installation options

Overall Dimensions (inches)



3/4" Nozzle Orifice					
Depth	4"	6"	8"	10"	12"
15 gpm	11	8	5	4.5	3.5
20 gpm	15	10	7	6	5
25 gpm	24	16	11	9	8
30 gpm	35	21	17	12	10.5
35 gpm	45	30	20.5	15	13
40 gpm	—	37.5	27	20	15

1/2" Nozzle Orifice					
Depth	4"	6"	8"	10"	12"
10 gpm	31	16	—	—	—
15 gpm	48	26	15.5	12	10
20 gpm	75	43	25	19	15

For Installers

Two part design incorporates plaster ring for ability to adjust angle or height to match surface of pool. Plaster ring is adjustable for WFB100 only

Plume Height at given water depths

Do not exceed 45gpm

Specifications

SKU	Description	Ctn. Weight (lbs.)
WFB100	Colorlogic Bubbler - Concrete	5
WFB200	ColorLogic Bubbler - Vinyl and Fiberglass	4.4

For replacement parts see page 453.

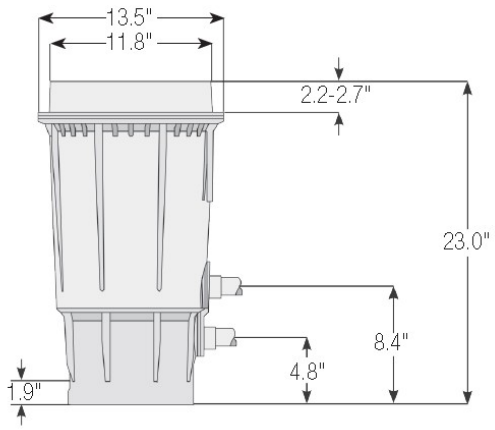
The ColorLogic Laminar creates a glass-like rod of arcing water from the deck to the pool. When matched with Hayward's ColorLogic lighting these streams are illuminated for dramatic backyard ambiance.

Features and Benefits

- Illuminate the ColorLogic Laminar utilizing ColorLogic or CrystaLogic® 320 and 160 lighting for a wide variety of options
- Features multiple cover color options with the industry's only height adjustment mechanism for perfect deck alignment even after settling occurs
- The simple integrated flow adjustment can eliminate the need for dedicated valves for each laminar while also allowing complete control of the height and distance of your water stream without the need for tools
- Elevate the visual and acoustic appeal of your pool surroundings with a simple addition to your pool

WFL100

Overall Dimensions (inches)



Recommended Plumbing Size*			
1	Number of Jets in System	1–3	4–6
2	Main Feed Pipe Size (inches)	2	2 1/2
3	Flow Loop Min. Pipe Size (inches)	1 1/2	2
4	Individual Deck Jet Feed (inches)	1	1

*See plumbing layout for example flow loop.

Specifications

SKU	Description	Ctn. Weight (lbs.)
WFL100	ColorLogic Laminar	21

Deck Jet 500

WFJ500PAK4

With simple customization and installation, Hayward water features are an effortless way to elevate any backyard environment. All Hayward water features are designed to connect quickly and easily, reducing installation headaches and costs.

Features and Benefits

- Best in class nozzle with adjustable direction and flow—no tools required
- Industry's only height adjustment mechanism ensures perfect deck alignment even after settling
- Premium bronze colored cover
- Includes plug for pressure test and winterization

Specifications

SKU	Description	Ctn. Weight (lbs.)
WFJ500PAK4	Deck Jet 500 (4 Pack)	3.5
WFXJ500CPAK4	Replacement Cover (4 Pack)	0.4
WFXJ500KIT	Internal Kit (nozzle, retainer kit, and winterizing ball)	0.4

For replacement parts see pages 407 and 410.

With simple customization and installation, Hayward water features are an effortless way to elevate any backyard environment. All Hayward water features are designed to connect quickly and easily, reducing installation headaches and costs.

Features and Benefits

- Accommodate a wide range of installation requirements (1 ft.-5 ft. lengths)
- Clear lips (available in 1" and 6" models) blend into pool surroundings and accommodate straight and curved wall applications
- Rear or bottom connection options make installation quick and simple
- 1.5" x 2" connections are compatible with larger plumbing for maximum water flow

WFS512B1W

Specifications

SKU	Sheer Length	Mounting Location	Finish	Ctn. Weight (lbs.)
WFS512B1W	1' width 1" lip	Bottom Mount	Clear	4
WFS512R1W	1' width 1" lip	Rear Mount	Clear	4
WFS512R6W	1' width 6" lip	Rear Mount	Clear	7
WFS524B1W	2' width 1" lip	Bottom Mount	Clear	8
WFS524B6W	2' width 6" lip	Bottom Mount	Clear	7
WFS524R1	2' width 1" lip	Rear Mount	Clear	7.7
WFS524R1W	2' width 1" lip	Rear Mount	Clear	7.7
WFS524R6W	2' width 6" lip	Rear Mount	Clear	8
WFS536B1W	3' width 1" lip	Bottom Mount	Clear	9
WFS536R1W	3' width 1" lip	Rear Mount	Clear	9
WFS536R6W	3' width 6" lip	Rear Mount	Clear	8
WFS548R1W	4' width 1" lip	Rear Mount	Clear	10
WFS548R6W	4' width 6" lip	Rear Mount	Clear	20.7
WFS560R1	5' width 1" lip	Rear Mount	Clear	18
WFS560R1W	5' width 1" lip	Rear Mount	Clear	18.4
WFS560R6W	5' width 6" lip	Rear Mount	Clear	10

RDX™ Drain

RDX200 (left) and RDX300 (right)

VGB compliant, cutting-edge advancement in drain safety that is invisible and unblockable the RDX continues Paramount's lead in drain technology. The RDX combines safety and high flow in one outlet with complete effective snappy removal of debris. It is easy to install with less plumbing than conventional drains and disappears in the floor of the pool.

Features and Benefits

- Open center enables flawless integration to the floor of the pool
- Compatible with concrete pools
- RDX 300 supports up to two pumps
- Includes rotatable elbow angles and adjustment ring
- Easily access pressure plugs or drain port
- Large capacity sump eliminates plugged drains and collects large debris
- Multiple Color Options: gray, light gray, black, and white
- VGB compliant design protects against hair, tree limbs, and mechanical entrapment
- IAPMO Certified and listed for single drain use
- RDX 200 - Use with Paramount's standard in-floor cleaning system up to 200gpm
- RDX 300 - Use for in-floor cleaning systems with flow rates over 300gpm

Specifications

SKU	Type	Material	Color	Ctn. Weight (lbs.)
404200920001	RDX 200 Upper	ABS	White	41.32
404200920002	RDX 200 Upper	ABS	Gray	31.75
404200920003	RDX 200 Upper	ABS	Black	10.97
404200920008	RDX 200 Upper	ABS	Light Gray	10.8
404200925001	RDX 300 Upper	ABS	White	10
404200925002	RDX 300 Upper	ABS	Gray	10
404200925003	RDX 300 Upper	ABS	Black	10.9
404200925008	RDX 300 Upper	ABS	Light Gray	10.9
404200930000	RDX 200 Lower Sump	ABS	Neutral Gray	10.9
404200935000	RDX 300 Lower Sump	ABS	Neutral Gray	10.81

PSV 3" Valves

Engineered to minimize headloss while delivering impressive flow rates of up to 230gpm, these valves are designed to set new standards in performance and reliability.

Features and Benefits

- Industry-first family of 3" diverter valves to cover all of your needs
- Lower Headloss up to 230gpm vs. 2.5" valves*
- Industrial, High-Performance Seal for superior chemical resistance for long-term durability
- Clear Closed Port Indication for easy-to-identify flow management
- Robust ergonomically-designed handle that features an adjustable common with clear closed port indication
- No couplings needed reduces costs along with the number of glue joints for less failure points and a cleaner installation overall
- Long lasting durable components made using corrosion resistant materials allowing for proper function over an extended life

*Based on independent third party testing data

PSV2S3

Specifications

SKU	Pipe Size	Material	Valve Positions	Ctn. Qty.	Ctn. Weight (lbs.)
PSV2S3	3"	CPVC	2-way	20	3.38
PSV3S3	3"	CPVC	3-way	20	3.56

PSV 2" Valves

PSCV2S

Hayward PSV Series 2-way and 3-way diverter valves and check valves make water flow management simple and maintenance free. Durable CPVC body and lid construction provide greater heat tolerance, preventing warping and leaks in the most demanding environments.

Features and Benefits

- All components are made of corrosion resistant materials allowing for proper function over an extended life
- PSV Series valves are available in multiple materials, sizes, and port configurations to accommodate most new construction and aftermarket scenarios
- PVC Valves not recommended for ambient temperatures of 104°F or above

Specifications

SKU	Pipe Size	Material	Valve Positions	Ctn. Qty.	Ctn. Weight (lbs.)
PSCV2S	1 1/2" x 2" SLIP	CPVC	Check Valve	20	35
PSCV2S2	2" x 2 1/2" SLIP	CPVC	Check Valve	20	35
PSCV2S2DGR	2" x 2 1/2" SLIP	PVC	Check Valve	20	35
PSCV2SDGR	1 1/2" x 2" SLIP	PVC	Check Valve	20	35
PSV2S	1 1/2" x 2" SLIP	CPVC	2-way	20	35
PSV2S2	2" x 2 1/2" SLIP	CPVC	2-way	20	38
PSV2S2DGR	2" x 2 1/2" SLIP	PVC	2-way	20	38
PSV2SDGR	1 1/2" x 2" SLIP	PVC	2-way	20	35
PSV3S	1 1/2" x 2" SLIP	CPVC	3-way	20	38
PSV3S2	2" x 2 1/2" SLIP	CPVC	3-way	20	40
PSV3S2DGR	2" x 2 1/2" SLIP	PVC	3-way	20	40
PSV3SDGR	1 1/2" x 2" SLIP	PVC	3-way	20	35

For replacement parts see page 460.

Hayward ball valves are designed for maximum flow efficiencies and pressure ratings up to 50 psi. They feature a dial handle for easy flow regulation and visual indication of valve setting. Teflon seats and union end connectors accurately align the ball and provide a dependable sealing surface.

Features and Benefits

- All components are made of corrosion resistant materials allowing for proper function over an extended life
- SP Series valves are available in multiple materials, sizes, and port configurations to accommodate most new construction and aftermarket scenarios
- PVC Valves not recommended for ambient temperatures of 104°F or above

SP0722

Specifications

SKU	Valve Type	Pipe Size	Material	Body Color	Valve Positions	Ctn. Qty.	Ctn. Weight (lbs.)
SP0722	Trimline	1 1/2" NPT(F)	ABS	White	2-way	24	19
SP0722PAK	Trimline	1 1/2" NPT(F)	ABS	White	2-way	1	10
SP0722S	Trimline	1 1/2" Socket	PVC	White	2-way	24	23
SP0722SPAK	Trimline	1 1/2" SLIP	ABS	White	2-way	1	11
SP0723	Trimline	1 1/2" MIP x 1 1/2" NPT(F)	ABS	White	2-way	24	21
SP0723S	Trimline	1 1/2" MIP x 1 1/2" Socket	ABS	White	2-way	24	24
SP0724S	Trimline Deluxe	2" Socket	ABS	White	2-way	20	24
SP0727	Deluxe	1 1/2" MIP	ABS	Black	3-way	20	19
SP0727CN	Perflex Diverter Valve	1 1/2" Barb Connection Points	ABS	Black	N/A	20	17
SP0729	Econoline	1 1/2" MIP x Hose Adapter	ABS	White	2-way	24	11.7
SP0735	Deluxe	1 1/2" NPT(F)	ABS	White	4-way	20	29

For replacement parts see page 464.

SelectaFlo™ Valves

SP0425

SelectaFlo high-efficiency backwash valves are hydro-engineered to provide superior flow at lower pressure drops. They feature an easy-to-use trigger action handle that lets you select from four valve/filter functions: filter, backwash, pump to waste or recirculate. SelectaFlo valves are ideal for D.E. filter applications requiring high efficiency and low head loss.

Features and Benefits

- Rugged, ergonomic handle allows for easy selection of four positions: filter, backwash, pump to waste, or recirculate
- EcoFlo fitting (included with valve) allows for simple and efficient plumbing to TriStar™ pumps
- Built–in sight glass provides convenient backwash viewing
- Innovative lock ring and seal carrier minimize service time
- Versatile ports accept 2" (SKT) or 2.5" (Spig) pipe for easy installation

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

Specifications

SKU	Valve Type	Pipe Size	Material	Body Color	Valve Positions	Ctn. Qty.	Ctn. Weight (lbs.)
SP0425	SelectaFlo	2" SKT x 2 1/2" SLIP	PVC	Black	4	1	12
SP0740DE	SelectaFlo	2" Socket	PVC	Black	4	1	8

For replacement parts see page 463.

SelectaFlo and VariFlo® multiport control valves feature an easy–to–use lever action handle that lets you "dial" up to six valve/ filter functions: filter, backwash, waste, rinse, closed, or recirculate. Complete with an integral sight glass that lets you see when the backwashing cycle is completed, our wide selection of valve configurations allows you to match the right valve to the application.

Control Valve Functions

- **FILTER –** For normal filtering and regular vacuuming
- **BACKWASH –** For cleaning filter sand bed of accumulated debris
- **RINSE –** Use after completing backwash cycle to ensure all dirty water is rinsed out of the filter to waste
- **WASTE –** By–passes the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line
- **RECIRCULATE –** Water is recirculated through the valve, by–passing the filter
- **CLOSED –** Shuts off the flow from the pump to the filter

SP0410X502S

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

Specifications

SKU	Valve Type	Pipe Size	Material	Body Color	Valve Positions	Ctn. Qty.	Ctn. Weight (lbs.)
SP0410X502S	Slide Valve	2" Socket	PVC	Black	2	1	4
SP0410X602S	Slide Valve	2" Socket	PVC	Black	2	1	4

For replacement parts see page 462.

VariFlo® Valves

SP0710X62

All VariFlo control valves feature an easy-to-use lever action handle that lets you "dial" up to seven valve/filter functions: filter, backwash, waste, rinse, closed, winter or recirculate. Complete with an integral sight glass that lets you see when the backwashing cycle is completed, our wide selection of valve configurations allows you to match the right VariFlo valve to the proper application; residential, commercial, top-mount or side mount.

VariFlo Control Valve Functions

- **FILTER –** For normal filtering and regular vacuuming
- **BACKWASH –** For cleaning filter sand bed of accumulated debris
- **RINSE –** Use after completing backwash cycle to ensure all dirty water is rinsed out of the filter to waste
- **WASTE –** By-passes the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line
- **RECIRCULATE –** Water is recirculated through the valve, by-passing the filter
- **CLOSED –** Shuts off the flow from the pump to the filter
- **WINTER –** For winterizing (SP0714T only)

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

Specifications

SKU	Valve Type	Pipe Size	Material	Body Color	Valve Positions	Ctn. Qty.	Ctn. Weight (lbs.)
SP0710X62	VariFlo Side Mount	1 1/2" NPT(F)	ABS	Black	6	1	6
SP0710XALL	VariFlo Side Mount	1 1/2" NPT(F)	ABS	Black	6	10	43
SP0710XR50	VariFlo	1 1/2" NPT(F)	ABS	Black	6	1	6
SP0714T	VariFlo Top Mount	1 1/2" NPT(F)	Polypropylene	Black	7	1	5
SP0715ALL	VariFlo Side Mount	2" NPT(F)	ABS	Black	6	4	53
SP0715X62	VariFlo Side Mount	2" NPT(F)	ABS	Black	6	1	8
SP0715XR50	VariFlo	2" NPT(F)	ABS	Black	6	1	7
SP071620T	VariFlo XL	2" NPT(F)	ABS	Black	N/A	1	8
SP071621	VariFlo Top Mount	2" NPT(F)	ABS	Black	6	1	7

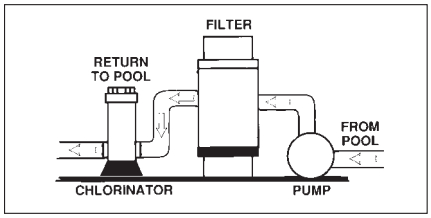
For replacement parts see pages 460–463.

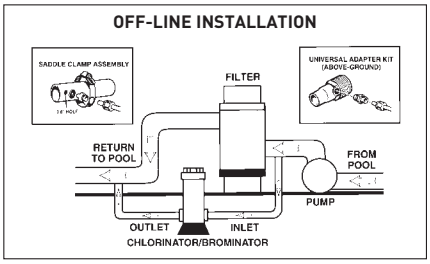
Hayward automatic chlorinators and brominators are ideal for in-ground and above ground applications during new pool construction or after market installations. Models are available for in-line and off-line configurations to accommodate most capacity, plumbing and space considerations. All units incorporate a durable ABS body along with a high quality Viton seal and an ergonomically designed cover to allow for simple lid removal.

Features and Benefits

- X-Ring seal provides long life and easy cover removal
- Uses large or small, slow dissolving, Trichlor or Bromine tablets
- Dial control valve allows for easy feed rate adjustment
- Multiple connection options provide a wide range of use and simplified installation
- Easy-Lok threaded cover for safe and convenient access to add tablets
- Unique finger-release catch provides extra security

CL100EF





NOTE: Chemical feeders should always be installed on the return line after the last heating appliance.

CAUTION: Extreme care must be exercised when adding chemicals to your pool. Concentrated chemicals may react violently if they mix in the chemical feeder, causing a fire or explosion, which may result in PROPERTY DAMAGE, PERSONAL INJURY or DEATH.

CAUTION: Never use petroleum based lubricants on any of the chlorinator o-rings. Regular cover o-ring lubrication is necessary to maintain easy cover removal. Use non petroleum based lubricants such as Hayward Jack's Formula 327 Multilube (SPX0327).

Specifications

SKU	Pipe Size	Material	Chemical Capacity	Ctn. Qty.	Ctn. Weight (lbs.)
CL100EF	1 1/2" NPT(F)	ABS	4.2 lbs.	10	3
CL110ABG	N/A	ABS	4.2 lbs.	10	28
CL110EF	N/A	ABS	4.2 lbs.	10	3
CL2002S	2" Socket	ABS	9 lbs.	10	52
CL200EF	1 1/2" NPT(F)	ABS	9 lbs.	10	45.1
CL220ABG	N/A	ABS	9 lbs.	10	50.7
CL220BR	N/A	ABS	9 lbs.	10	44
CL220EF	N/A	ABS	9 lbs.	10	46.8

For replacement parts see page 456.

JetAir

SP1430

JetAir systems offer interchangeable jet nozzles, allowing for multiple configuration options to achieve the type of hydro-massage action you want, where you want it. With the adjustable JetAir system, you can control the water and air flow right at the jet face providing a variety of therapy options at your fingertips.

Features and Benefits

- Nozzle interchangeability allows for custom jet configurations
- Balanced hydraulics let user mix and match jet nozzles without affecting performance of the system
- Universal nozzle retrofitablity allows consumers to update to the nozzle of their choice at any time

Specifications

SKU	Pipe Size	Material	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP1430	1 1/2" MIP x 1 1/2" NPT(F)	ABS	White	50	17
SP1430S	1 1/2" Socket x 1 1/2" MIP	ABS	Black	50	16
SP1430T	N/A	ABS	White	25	9.8
SP14311	1 1/2" MIP x 1 1/2" NPT(F)	ABS	White	25	21.6
SP1433	1 1/2" MIP	ABS	White	50	28
SP1433S	1 1/2" Socket	ABS	White	50	31

For replacement parts see pages 466–467.

Hayward's JetAir III and Adjustable JetAir III systems offer interchangeable jet nozzles, allowing for multiple configuration options to achieve the type of hydro-massage action you want, where you want it. With the adjustable JetAir III system, you can control the water and air flow right at the jet face providing a variety of therapy options at your fingertips.

Features and Benefits

- Nozzle interchangeability allows for custom jet configurations
- Balanced hydraulics let user mix and match jet nozzles without affecting performance of the system
- Universal nozzle's retrofit ability allows consumers to update to the nozzle of their choice at any time
- Modular packaging: A – Bodies/Bulkheads; B – Jet nozzles

SP14341PAKA

Specifications

SKU	Pipe Size	Material	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP14341PAKA	1" air x 1" Water Socket	ABS	White	15	14
SP14343PAKA	1" air x 1 1/2" Water Socket	ABS	White	15	14
SP1434PAKA	1 1/2" air x 1 1/2" Water Socket	ABS	White	25	28
SP1434PAKADGR	1 1/2" air x 1 1/2" Water Socket	ABS	Dark Gray	15	18
SP1434PAKB	N/A	ABS	White	25	4.3
SP1434PAKBDGR	N/A	ABS	Dark Gray	25	4.5
SP1434T	N/A	ABS	N/A	50	15.5
SP1434TP	N/A	ABS	White	20	8.2
SP1436PAKB	N/A	ABS	White	25	5
SP1437PAKB	N/A	ABS	White	25	5

For replacement parts see pages 466–467.

Turbo-Boost

SP1450T

This Turbo-Boost Spa Jet Fitting includes a high-flow nozzle for even the most demanding high-pressure environments. Its small size increases its flexibility of installation and ease of use without compromising output or range.

Features and Benefits

- Includes body with high flow directional nozzle, bulkhead fitting, gasket and 1 1/2" sweep elbow
- Also uses SP1450WP2 - Winterizing Plug with O-ring (sold separately)
- Plumbing Connection of 1 1/2" SKT allows for easier and quicker installation without fumbling with unknown connections

Specifications

SKU	Pipe Size	Material	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP1450T	1 1/2" Socket	ABS	White	20	35

For replacement parts see page 467.

Manufactured to Hayward's uncompromising standards, these large capacity skimmers for vinyl and fiberglass applications install easily and perform flawlessly even in the most difficult environments. The bodies are molded out of durable ABS plastic and do not contain any assembly seams below water level. They feature a standard square or round cover and collar assembly allowing up to 1.5" vertical adjustment. Additional extension collar accessories are available to meet needs for all applications.

Add optional float valve and equalizer kit with an NSF approved cover to any Auto-Skim model with a square cover to accommodate commercial requirements.

Features and Benefits

- 1.5" and 2" port sizes for plumbing versatility
- Standard cover and collar assembly with 1.5" vertical adjustment
- Color options available
- Integral Flo-Control slide plate
- Optional float valve for thru skimmer suction outlet system
- Optional extension collar allows 2.5" additional vertical height
- Optional stackable notched extension collar allows infinite vertical adjustment

SP1082

Specifications

SKU	Pipe Size	Material	Cover Style	Throat Length	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP1082	2" NPT(F)	ABS	Square	5 1/4"	White	1	10
SP10821	1 1/2" NPT(F)	ABS	Square	5 1/4"	White	1	10
SP1082DGR	2" NPT(F)	ABS	Square	5 1/4"	Dark Gray	1	10.2
SP1082GV	N/A	N/A	N/A	N/A	White	24	16
SP1084	2" NPT(F)	ABS	Square	8 1/2"	White	1	13
SP10841	1 1/2" NPT(F)	ABS	Square	8 1/2"	White	1	13
SP10841OM	1 1/2" NPT(F)	ABS	Square	8 1/2"	White	1	13
SP10841OMDGR	1 1/2" NPT(F)	ABS	Square	8 1/2"	Dark Gray	1	13
SP10841OMND	1 1/2" NPT(F)	ABS	Square	8 1/2"	White	1	16.4
SP10841OMNDDGR	1 1/2" NPT(F)	ABS	Square	8 1/2"	White	1	15.9
SP10841OMTE	1 1/2" NPT(F)	ABS	Square	8 1/2"	White	1	20
SP10841R	1 1/2" NPT(F)	ABS	Round	8 1/2"	White	1	13
SP1084DGR	2" NPT(F)	ABS	Square	8 1/2"	Dark Gray	1	12.7

For replacement parts see pages 457–459.

Wide Track Auto-Skim™

SP108510M

Manufactured to Hayward's uncompromising standards, these large capacity skimmers for vinyl and fiberglass applications install easily and perform flawlessly even in the most difficult environments. The bodies are molded out of durable ABS plastic and do not contain any assembly seams below water level. They feature a standard square or round cover and collar assembly allowing up to 1.5" vertical adjustment. Additional extension collar accessories are available to meet needs for all applications.

The Auto-Skim Wide Track Series includes all of the same high quality features in addition to an expansive 15.5" skimmer face and a choice of two throat lengths. The enlarged opening and added installation flexibility allows for increased skimming action and reduced time for debris removal.

Add optional float valve and equalizer kit with an NSF approved cover to any Auto-Skim model with a square cover to accommodate commercial requirements.

Features and Benefits

- 1.5" and 2" port sizes for plumbing versatility
- Standard cover and collar assembly with 1.5" vertical adjustment
- Color options available
- Integral Flo-Control slide plate
- Optional float valve for thru skimmer suction outlet system
- Optional extension collar allows 2.5" additional vertical height
- Optional stackable notched extension collar allows infinite vertical adjustment

Specifications

SKU	Pipe Size	Material	Cover Style	Throat Length	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP108510M	1 1/2" NPT(F)	ABS	Square	12-1/4"	White	1	16
SP10852	1 1/2" NPT(F)	ABS	Square	9 1/4"	White	1	15
SP108520M	1 1/2" NPT(F)	ABS	Square	9 1/4"	White	1	15
SP108520MDGR	1 1/2" NPT(F)	ABS	Square	9 1/4"	Dark Gray	1	15
SP108520MND	1 1/2" NPT(F)	ABS	Square	9 1/4"	White	1	17.5
SP108520MNDDGR	1 1/2" NPT(F)	ABS	Square	9 1/4"	Dark Gray	1	17.4
SP108520MTE	1 1/2" NPT(F)	ABS	Square	8 1/2"	White	1	20
SP108520MTEDGR	1 1/2" NPT(F)	ABS	Square	9 1/4"	Dark Gray	1	20

For replacement parts see pages 457–459.

Hayward automatic skimmers have been an industry standard for more than 30 years. The Dyna-Skim skimmers have been redesigned to match the needs of today's above ground pools, while remaining applicable for use on existing pool models. Skim Vacs have revolutionized the process of vacuuming pools. By utilizing the skimmer basket instead of the pump strainer basket, the need to turn the pump on and off has been eliminated. Simply attach the appropriate Skim Vac to the vacuum hose, locate over the skimmer basket and begin vacuuming.

Features and Benefits

- Heavy duty UV resistant construction
- Large debris collection basket
- Top and front basket access
- One piece body construction
- Snap-in and removable weir
- 1 1/2" female straight pipe threads
- Quick disconnect pipe connection
- Compatible with wide top seat pools

SP1091LX

Specifications

SKU	Pipe Size	Material	Cover Style	Throat Length	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP1091LX	1 1/2" FPT	ABS	N/A	N/A	White	6	32
SP1091WM	1 1/2" FPT	ABS	N/A	N/A	White	6	46
SP1091WMGR	1 1/2" NPT(F)	ABS	N/A	N/A	Dark Gray	6	46

For replacement parts see pages 457–459.

SkimMaster®

SP1071T2

Designed for large-capacity commercial and residential applications, SkimMaster Series skimmers boast one of the highest flow ratings in the industry at 75gpm. They feature threaded internal connections for pressure testing, an optional float/bypass valve and an automatic safety bypass for low water conditions. Model SP1072S2 also includes PVC ports, which greatly reduce installation time. Any SkimMaster Series or Auto-Skim model with a square cover can be adapted to meet NSF commercial requirements by adding the appropriate float valve and equalizer kit in conjunction with the NSF listed cover.

Features and Benefits

- 3/4" knockout fill/overflow port
- Durable unibody construction
- Color options available
- Adjustable deck collar
- Self-adjusting 8" weir with stainless steel spring
- Large and durable debris basket
- Optional float valve for thru skimmer suction outlet system

Specifications

SKU	Pipe Size	Material	Cover Style	Throat Length	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP1071T2	1 1/2" NPT(F)	ABS	Round	4 1/2"	White	1	8
SP1072S2	2" SKT x 2 1/2" SPIG	ABS	Round	4 1/2"	White	1	8
SP1072S210	2" SKT x 2 1/2" SPIG	ABS	Round	4 1/2"	Tan	1	8
SP1072S210FVA	2" SKT x 2 1/2" SPIG	ABS	Round	4 1/2"	Tan	1	8
SP1072S2BLK	2" SKT x 2 1/2" SPIG	ABS	Round	4 1/2"	Black	1	8
SP1072S2DGR	2" SKT x 2 1/2" SPIG	ABS	Round	4 1/2"	Dark Gray	1	8
SP1072T1	2" NPT(F)	ABS	Round	4 1/2"	White	1	8
SP1072T2	2" NPT(F)	ABS	Round	4 1/2"	White	1	8
SP1072T210FVA	2" NPT(F)	ABS	Round	4 1/2"	Tan	1	8

For replacement parts see pages 457–459.

Spa Skimmer

This Front Access Spa Skimmer with Gasket comes fully equipped for unprecedented ease of use and reliability. It's made of durable ABS that allows for sustained use in even the harshest of conditions.

Features and Benefits

- Includes 1 1/4" screws, washers, nuts and face cover plate (white)
- Plumbing connection of 1 1/2" SKT x 2" SLIP enhances installation and range of use
- Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black

SP1099S

Specifications

SKU	Pipe Size	Material	Cover Style	Throat Length	Body Color	Ctn. Qty.	Ctn. Weight (lbs.)
SP1099S	1 1/2" Socket x 2" SLIP	ABS	N/A	N/A	White	1	3

For replacement parts see pages 457–459.

Spa Blowers

Hayward Spa Blowers feature a unique rubber motor base for exceptionally quiet performance. Available in various voltages and horsepower ratings and designed for extended life, making it easy to find a match for any application.

SPB101

Specifications

SKU	Horsepower	Voltage	Ctn. Qty.	Ctn. Weight (lbs.)
SPB101	1.0 H.P.	115 VAC	1	10
SPB102	1.0 H.P.	230 VAC	1	10
SPB151	1.5 H.P.	115 VAC	1	10
SPB152	1.5 H.P.	230 VAC	1	10
SPB201	2.0 H.P.	115 VAC	1	10
SPB202	2.0 H.P.	230 VAC	1	10

For concrete, vinyl and fiberglass pools, Hayward round suction outlets are available in a wide range of plumbing configurations, plaster collar options and colors. Whether installing frames and covers or sump-type outlets for new construction or replacement covers on existing applications, Hayward suction outlets set the standard for quality and value.

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Features and Benefits

- Residential and commercial pools
- Concrete, vinyl and fiberglass surfaces
- New construction and replacement covers
- Features
- Sumps accommodate the use of SP1056 hydrostatic relief valve
- Replacement covers retrofit to existing Hayward frames
- 7 year life
- 1 year limited warranty

Port Size	Port Location and Sump Location	Approved Flow gpm
Round Covers		
2"	Side Port, Floor-Mounted	116
2"	Bottom Port, Floor-Mounted	123
2"	Side Port, Wall-Mounted	66
2"	Bottom Port, Wall-Mounted	59
1 1/2"	Side Port, Floor- Mounted	107
1 1/2"	Side Port, Wall-Mounted	72
1 1/2"	Bottom Port, Floor-Mounted	122
1 1/2"	Bottom Port, Wall-Mounted	64

VGB Act Compliant NSF

VGB Act Compliant NSF

WG1154S (left) and WG1049AV (right)

Specifications

Model Number	Size	Cover Open Area Sq. Inch	Side Outlet Pipe Size	Bottom Outlet Pipe Size	Ctn. Qty.	Shipping Weight
Concrete						
Cover and frame (2 pack)						
WG1030AVPAK2*	8" dia.	8.10	—	—	24	46 lbs.
Replacement cover for floor or wall						
WGX1048E*	8" dia.	8.10	—	—	10	5 lbs.
Outlet-dual suction (2 pack)						
WG1051AVPAK2	8" dia.	8.10	1 ½" FIP	1 ½" FIP	6	35 lbs.
WG1052AVPAK2	8" dia.	8.10	2" FIP	1 ½" FIP	6	35 lbs.
WG1053AVPAK2	8" dia.	8.10	1 ½" FIP	2" FIP	6	35 lbs.
WG1054AVPAK2	8" dia.	8.10	2" FIP	2" FIP	6	35 lbs.
Outlet-dual suction with adjustable plaster collar (2 pack)						
WG1154AVPAK2	8" dia.	8.10	2" FIP	2" FIP	6	35 lbs.
WG1154SPAK2*	8" dia.	8.10	2" SKT	2" FIP	6	35 lbs.
(Vinyl/Fiberglass)						
WG1048AVPAK2**	8" dia.	8.10	1 ½" FIP	1 ½" FIP	6	37 lbs.
WG1049AVPAK2**	8" dia.	8.10	2" FIP	1 ½" FIP	6	37 lbs.

NOTES: *Available in Gray, Dark Gray and Black. Add letters GR for Gray, DGR for Dark Gray and BLK for Black after "AV", "E" or "S" in the model number.

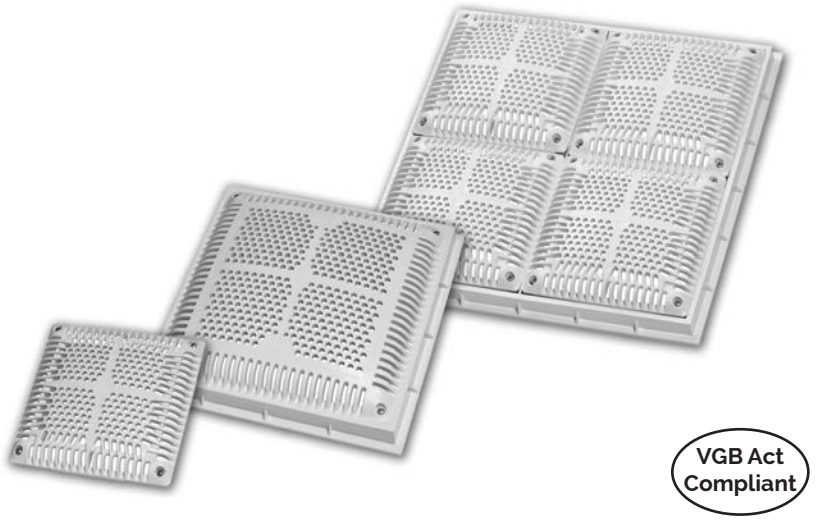
**Also available in Dark Gray. Add letters DGR for Dark Gray after the AV in the model number.

Model Number	Description	Ctn. Qty.	Shipping Weight
Accessories			
WG1051X	Adjustable plaster collar (1") for concrete	10	4 lbs.
WGX1153B*	Extension collar with inserts	10	5 lbs.
SP1055PAK2	2" or 1 ½" MIP Slotted Collector Tube – Black (Set of 2)	10	7 lbs.
SP1056	2" or 1 ½" MIP Hydrostatic Relief Valve	25	5 lbs.
SP1056T	Installation and removal tool for SP1056	20	36 lbs.

NOTE: *Available in Gray, Dark Gray and Black. Add letters GR for Gray, DGR for Dark Gray and BLK for Black.

For replacement parts see page 455.

Suction Outlets



9", 12" and 18" Drain Covers and Frames

Specifications

Model Number (size)	Pipe Size	Mounting Position	Sump Port Location	Approved Flowgpm
WGX1031BHF2 and	2.5"	Floor	Side	172
WG1031HF2PAK2 (9" x 9")	2.5"	Wall	Side	184
	2.5"	Wall	Bottom	224
	3"	Floor	Side	264
	3"	Wall	Side	224
	3"	Wall	Bottom	224
WG1032HF2PAK2 (12" x 12")	3"	Floor	Side	416
	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WG1033HF2PAK2 (18" x 18")	3"	Floor	Side	484
	3"	Wall	Bottom	484
	4"	Floor	Side	656
	4"	Wall	Bottom	688
	6"	Floor	Side	815
	6"	Wall	Bottom	732
WG1061HF2PAK2 (9" x 9")	2.5" & 3"	Floor	Side	264
	2.5" & 3"	Wall	Side	224

Model Number	Size	Cover Open Area Sq. Inch	1.5ft/sec. Flow Rate gpm	Ctn. Qty.	Ctn. Weight
Replacement cover and inner frame					
WGX1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WGX1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WGX1033BHF2	18" x 18"	124.1	580	10	39 lbs.
Cover, inner frame and outer frame (2 pack)					
WG1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WG1032HF2PAK2	12" x 12"	41.07	192	4	30 lbs.
WG1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
3" suction outlet sump with cover (2 pack)					
WG1061HF2PAK2	9" x 9"	23.96	112	1	6 lbs.

For residential and commercial concrete pools, Hayward square drain covers are available in a wide range of sizes and flow designs to satisfy any installation requirement. Whether the application demands frames and covers for new construction or replacement cover assemblies for existing installations, Hayward suction outlets set the standard for quality and value.

Hayward's High Flow covers have some of the industry's highest approved flow rates. Each size and flow design cover retrofit to existing Hayward frames and are designed for an extensive 7 year life span.

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

Applications

- Meets various flow category requirements
- Installations in concrete, residential and commercial pools

Features

- Certified to ANSI/APSP/ICC-16 2017
- Retrofits to all Hayward existing frames
- 7 year life
- 1 year limited warranty

For replacement parts see page 455.

SDX2 High Flow Safety Drain

SDX2 is a high flow suction outlet suitable for use as a wall fitting, or as a floor fitting when debris removal is not a concern. Available for concrete, vinyl and fiberglass pools, SDX2 performs at a very high flow rate while operating at one of the lowest velocity ratings in the industry. SDX2 boasts a flow rating of 180gpm on the floor and 140gpm on the wall.

Applications

- Concrete, vinyl and fiberglass surfaces
- New construction or replacement covers

Features

- No sump required means time saved and no need to field fabricate a sump to meet the "1.5 times the pipe diameter" requirement
- Low velocity 1.396 feet per second at the maximum (180gpm) flow rating
- Patented ribbed design achieves very high flow via 60 independent flow partitions
- Approved as a bulkhead fitting as the safety is in the cover and back plate
- Anti-vortex center shield blocks contact with direction suction
- Great for use with water features
- 5 year life

Flow Rating (gpm)	Pipe Size	Pipe Port Orientation	Direct Mounting Orientation
180	3"	Side	Floor
116	2.5"	Side	Floor
100	2"	Side	Floor
60	1.5"	Side	Floor
178	3"	Bottom	Floor
120	2.5"	Bottom	Floor
100	2"	Bottom	Floor
60	1.5"	Bottom	Floor
140	3"	Side	Wall
108	2.5"	Side	Wall
100	2"	Side	Wall
60	1.5"	Side	Wall
140	3"	Bottom	Wall
108	2.5"	Bottom	Wall
100	2"	Bottom	Wall
60	1.5"	Bottom	Wall

SDX2 High Flow Safety Drain Cover

Specifications

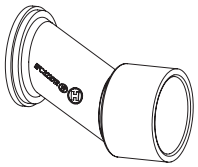
Model Number	Description	Ctn. Qty.	Ctn. Weight
004-162-2231-01	SDX2 for Concrete Pools – 2 Drains (White)	1	4 lbs.
005-252-2097-01	SDX2 Replacement Cover with Screws for Concrete Pools (White)	1	2 lbs.
004-172-2231-01	SDX2 for Vinyl and Fiberglass Pool – 2 Drains (White)	1	6 lbs.
005-252-2098-01	SDX2 Replacement Cover with Screws for Vinyl and Fiberglass Pools (White)	1	2 lbs.

NOTE: Contact your local Hayward representative for additional options

Connection Fittings and Unions

EFC3220SW

EFC3225SW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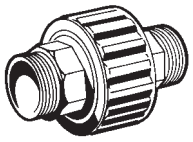
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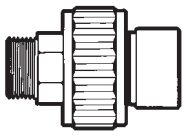
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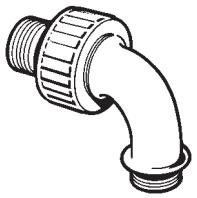
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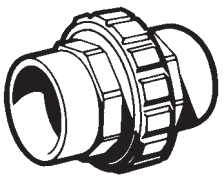
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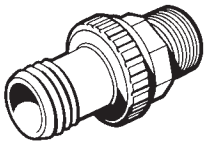

SP1493

Specifications

Model Number	Pipe Size	Description	Material	Ctn. Qty.	Ctn. Weight
EcoFlo Fittings					
EFC3220SW	**A:** 2" x 2 ½" B: 2"	EcoStar®/TriStar® 2" x 2 ½" Sweep	PVC	20	10 lbs.
EFC3225SW	**A:** 2 ½" x 3" **B:** 2 ½" x 3"	EcoStar/TriStar 2 ½" x 3" Sweep	PVC	10	10 lbs.
EFC3220TR	2" x 2 ½"	2" x 2 ½" Heater Transition	CPVC	30	10 lbs.
Full-Flo Self-Aligning Unions					
SP1480BLK	1 ½" MIP	Self-Aligning Double Male End Union, Black	ABS	50	36 lbs.
SP1484	1 ½" MIP x 1 ½" SKT	Self-Aligning Male/Female Union	ABS	50	37 lbs.
SP1485	1 ½" MIP	Self-Aligning Double Male End Union End Sweep 90°, short	ABS	20	27 lbs.
SP1486	1 ½" MIP	Clear, Self-Aligning Double Male End Union and Compression Fitting-90° Sweep, 10" long	ABS/LEXAN	20	34 lbs.
Flush Unions					
SP14952S	1 ½" SKT(ID) or 2" SLIP(OD)	Flush Female Socket Union	ABS	50	29 lbs.
SP14952S50	1 ½" SKT(ID) or 2" SLIP(OD)	Bulk Pack of 50 SP14952S	ABS	1	26 lbs.
SP14953S	1 ½" MIP x 1 ½" SKT(ID) or 2" SLIP(OD)	Flush Male/Female Socket Union	ABS	50	29 lbs.
SP14982S	2" SKT	Flush Female Socket Union	PVC	50	40 lbs.
SP14983S	2" MIP x 2" SKT	Flush Male/Female Socket Union	PVC	50	40 lbs.
Econo-Unions					
SP1493	1 ½" MIP	Quick Disconnect – 1 ½" hose (barb)	ABS	50	15 lbs.
Union Check Valves					
SP1091CV	1 ½" MIP	In-Line Combo 1 ½" x 1 ¼" Hose Adapter and Check Valve	ABS	40	9 lbs.
SP14461S	1 ½" SKT	Union Check Valve	ABS	50	37 lbs.
Union Connectors					
SP1500UNPAK2	1 ½" SKT	Flush Union Connector Set (2 pack) 1.5" SKT	ABS	50	12 lbs.

Specifications

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
Directional Flow Inlet Fittings – Standard (Return to Pool)				
SP1419A*	1 1/2" MIP	Hydrosweep slotted opening	50	7 lbs.
SP1419B*	1 1/2" MIP	Hydrostream 3/8" opening	50	7 lbs.
SP1419C*	1 1/2" MIP	Hydrostream 1/2" opening	50	7 lbs.
SP1419D*	1 1/2" MIP	Hydrostream 3/4" opening	50	7 lbs.
SP1419E*	1 1/2" MIP	Hydrostream 1" opening	50	7 lbs.
SP1420	1 1/2" MIP	Hydrostream, 1" rubber nozzle	25	5 lbs.
SP1421D*	1 1/2" SLIP	Hydrostream Insider Fitting – 3/4" opening	25	5 lbs.
SP1421E	1 1/2" SLIP	Hydrostream Insider Fitting – 1" opening	25	5 lbs.
SP1419T	—	Seat Removal Tool for Hydrosweep/Hydrostreams	100	5 lbs.

NOTE: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

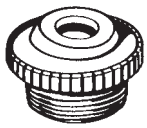
Directional Flow Inlet Fittings – Extended Flange				
SP1418D*	1 1/2" MIP	Hydrostream, large – 3/4" opening	50	10 lbs.
SP1422D	1 1/2" SLIP	Hydrostream Insider – 3/4" opening	50	12 lbs.
SP1422E	1 1/2" SLIP	Hydrostream Insider – 1" opening	50	11 lbs.

The following fittings all have 1 1/2" internal threads for use with directional fittings, plugs, grate inserts, outlet covers and Jet-Air hydrotherapy fittings. Choose the appropriate fittings for concrete, vinyl or fiberglass applications.

Inlet Receptacles & Vacuum Fittings – Concrete Pools				
SP1022*	1 1/2" FIP	1.5" Threaded Return Fitting	50	11 lbs.
SP1022S*	1 1/2" SKT	1.5" Socket Return Fitting	50	11 lbs.
SP1022S2*	2" SKT	2" Socket PVC Return Fitting	50	15 lbs.
SP1022INS	1 1/2" INS	Fitting (1 1/2" FIP face x 1 1/2" SLIP stub end)	50	11 lbs.
SP1022B**	1 1/2" MIP	Flush Plug with Gasket	100	5 lbs.
SP1022C**	1 1/2" MIP	All Purpose Plug with O-Ring	100	6 lbs.
SP1022C2BLK	2" MIP	All Purpose Plug With O-Ring	50	5 lbs.

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Available in Gray and Black. Add suffix GR for Gray and BLK for Black.

Vac Lock Safety Wall Fitting				
W400BWHP		Vac Lock Safety Wall Fitting, White	10	2.5 lbs.
W400BBKP		Vac Lock Safety Wall Fitting, Black	10	2.5 lbs.
W400BLGP		Vac Lock Safety Wall Fitting, Lt. Gray	10	2.5 lbs.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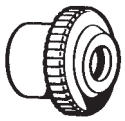
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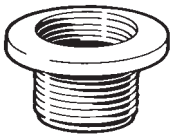
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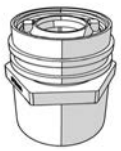
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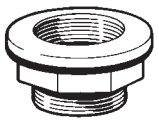
SP1044INS

Fittings and Accessories



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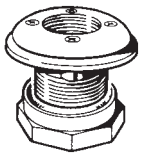

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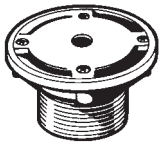

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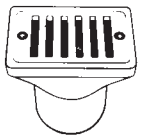

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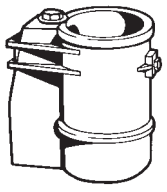
SP1040



SP1392

Specifications

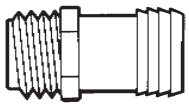
Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
Inlet Fittings – Vinyl/Fiberglass Pools, Spas, Hot Tubs				
SP1023	1 ½" FIP 1.5"	Threaded Return Fitting for Fiberglass	50	17 lbs.
SP1023S*	1 ½" SKT	1 ½" Socket Return Fitting for Fiberglass	50	17 lbs.
SP1023S2*	2" SKT	2" PVC Body Return Fitting for Fiberglass	50	23 lbs.
SP1023G	1 ½" FIP	SP1023 Return Fitting With Sandwich Gasket for ABG Pools	50	19 lbs.
SP1026*	1 ½" MIP	Grate Insert	50	4 lbs.
SP1408*	1 ½" FIP	1 ½" Threaded Return Fitting for Vinyl	50	28 lbs.
SP1408S2*	2" SKT	2" PVC Body Return Fitting for Vinyl	50	34 lbs.
Wall/Floor Inlet Fittings – Concrete Pools				
SP1424	1 ½" FIP x 2" MIP	Adjustable Inlet	50	26 lbs.
SP1424S	1 ½" SKT x 2" MIP	Adjustable Inlet	50	26 lbs.
SP1425	1 ½" FIP x 2" MIP	Adjustable Floor Inlet	50	27 lbs.
SP1425S	1 ½" SKT x 2" MIP	Adjustable Floor Inlet	50	26 lbs.
Deck Drains				
SP1019**	1 ½" FIP + 2" COUP	Socket/Deck Drain	50	25 lbs.
SP1019BA	—	Rectangular Grate, with screws	100	7 lbs.
Lane Marker Anchors				
SP1040		Bar Type Anchor, ABS (concrete pools)	50	23 lbs.
SP0404		Eyebolt Assembly, ABS – with locknut and gasket (vinyl, fiberglass pools)	50	18 lbs.
Anchor Sockets				
SP1392	1 ½"	Anchor Socket, ABS, heavy-duty	50	26 lbs.
Escutcheons				
SP1041	1 ½"	Escutcheon Plate, ABS	50	7 lbs.
SP1042	1 ½"	Escutcheon Plate, ABS, Chrome Plated	50	7 lbs.

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

**Also available in Gray and Black. Add suffix GR for Gray and BLK for Black.

Specifications

Model Number	Description	Ctn. Qty.	Ctn. Weight
Hose Kit and Hose Adapters			
EC1155	1 ½" Hose Kit with Adapters and Clamps	1	4 lbs.
SPX1091Z2PAK2	1 ½" MIP x 1 ½" Hose Barb Adapter *(Set of 2)*	10	3 lbs.
SPX1105Z4	1 ½" MIP x 1 ½" Hose – Combination Insert Elbow	50	13 lbs.
SPX1082Z3	2" MIP x 1 ½" Hose – Male (Smooth) Red. Adapter	50	8 lbs.
SPX1091Z1	1 ½" MIP x 1 ¼" Hose – Male (Smooth) Red. Adapter	50	5 lbs.
SPX1105Z2	1 ½" MIP x 1 ¼" Hose – Male (Smooth) Red. Elbow Adapter	50	8 lbs.
SPX1105Z3	1 ½" MIP x 1 ½" Hose – Combination (Smooth) Elbow	50	8 lbs.
SPX1091Z4	1 ½" MIP x 1 ½" Hose – Male (Smooth) Adapter	50	5 lbs.
SPX1091Z7PAK2	1 ½" MIP x 1 ½" and 1 ¼" Hose Adapter *(Set of 2)*	25	12 lbs.
SPX1091Z9	1 ½" MIP x 1 ½" FIP – Threaded Extension Coupling	100	12 lbs.
Pipe Plugs			
SPX1600V	¼" – Pipe Plug	100	1 lb.
SPX1051Z1	1 ½" – Pipe Plug	100	8 lbs.
SP1022CBLK	1 ½" – Threaded Plug With O-Ring – Black	100	7 lbs.
SPX1053Z1	2" – Pipe Plug	100	11 lbs.
SP1022C2BLK	2" – Threaded Plug With O-Ring – Black	100	9 lbs.
Hose Clamps and Pressure Gauges			
SPX1091Z6	Double Wire Hose Clamp – 1 ½" Hose	50	3 lbs.
ECX18028	Stainless Steel Strap Clamp – 1 ½" Hose	50	13 lbs.
ECX270861	¼" Side Mount Pressure Gauge	100	26 lbs.
ECX271261	¼" Side Mount Pressure Gauge with Indicators	50	15 lbs.
ECX27091	¼" Back Mount Pressure Gauge	25	8 lbs.
ECX2712B1	¼" Back Mount Pressure Gauge with Indicators	50	15 lbs.
Miscellaneous			
EC10SC50	1 lb. DE Scoop (Case of 50)	1	12 lbs.
EC2024	Jet Action Cleaning Wand	10	4 lbs.
SPX0327	Jack's Formula 327 Multilube – 1 oz. Tube	50	4 lbs.
SP022310	10" Bobby Disposable Filter	20	13 lbs.
SP022320	20" Bobby Disposable Filter	20	20 lbs.



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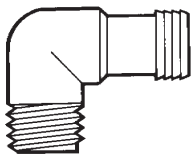

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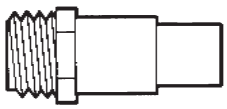

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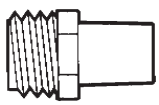
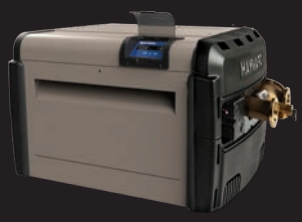


SPX1091Z1

INNOVATION MADE EASY.

Hayward Commercial Aquatics offers a full range of industry-leading innovative products designed to work together as one total system to help every commercial pool perform at its absolute best. Our products set the technological standard while providing unmatched performance, efficiency, reliability, versatility and ease of operation.



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HAYWARD® COMMERCIAL AQUATICS

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2026 Commercial Product Portfolio

PROUD AMERICAN COMPANY SINCE 1925

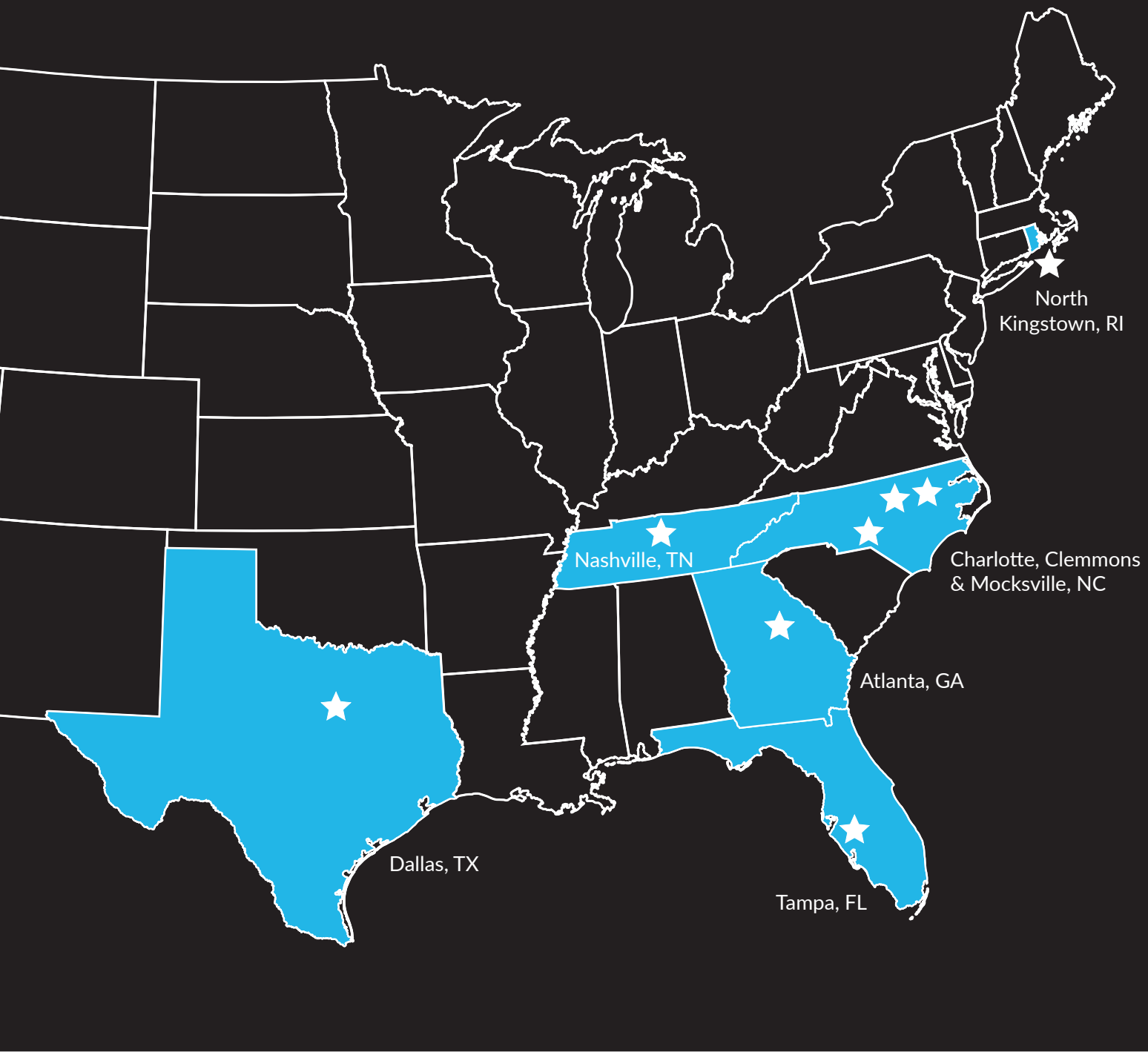
Inside these pages, you'll discover what makes a Hayward pool a better pool—where innovation, reliability, and sustainability come together to elevate every aquatic experience.

Our full line of residential and commercial equipment includes energy-efficient pumps, advanced filtration systems, cutting-edge heating technology, cleaners, LED lighting, and water features. They are all designed to deliver you superior performance and long-term value.

For commercial operations, our flagship products are engineered to help every pool perform at its absolute best. From industry-leading energy efficiency that reduces power consumption and extends equipment life, to intuitive chemistry control and sanitization systems—including salt and UV solutions—Hayward delivers optimal water quality, safety, and peace of mind.

At the heart of our products is a team of passionate professionals dedicated to helping pool pros deliver and create exceptional environments. Whether you're designing a resort style pool or managing a large-scale aquatic facility, Hayward provides the technology and support to help you succeed.

With over a century of engineering excellence, Hayward continues to lead the way in pool innovation and smart outdoor living. Every product we offer is backed by our mission: to deliver superior performance, outstanding service, and cutting-edge technology that transforms the experience of water.



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Critical equipment categories are processed and shipped in 1–3 business days.

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INNOVATION
MADE EASY.
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Hayward Commercial Aquatics offers a full range of industry-leading innovative products designed to work together as one total system to help every commercial pool perform at its absolute best. Our products set the technological standard while providing unmatched performance, efficiency, reliability, versatility and ease of operation.

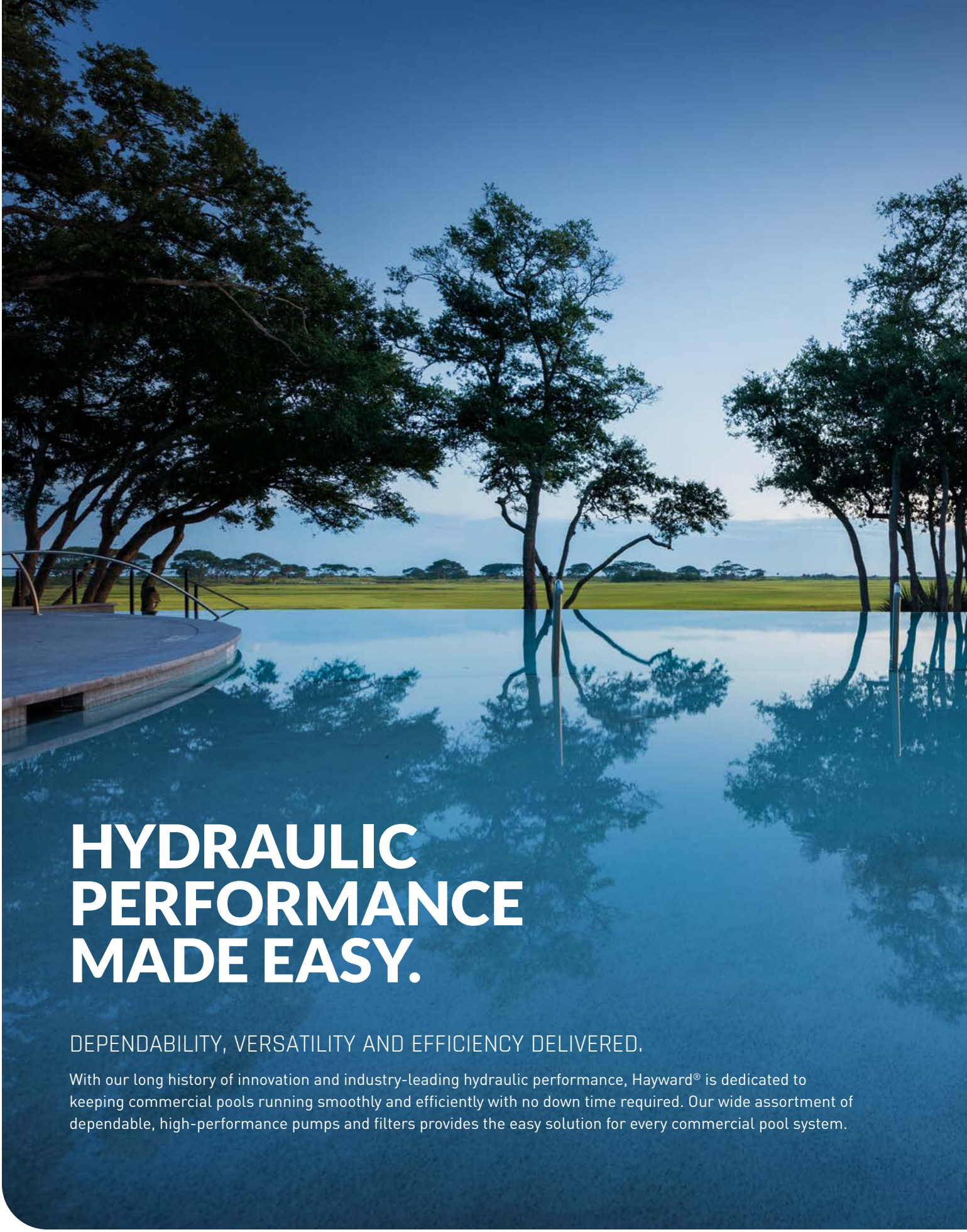
To see our innovation in action, look no further than the superior energy efficiency of our flagship products that reduces power consumption, extend operational lifespan and delivers significant savings for your commercial operation. Or consider our leading chemistry control and sanitization systems with intuitive salt and UV secondary and supplemental sanitization solutions that provide optimal water quality and safety for pools of all shapes and sizes—and optimal peace of mind for those who manage them.

Our innovative products are delivered to you with speed and ease, backed by industry leading warranties and a top-tier support team. Our Commercial Aquatics team is dedicated to providing builders, servicers and pool designers with the tools and personalized support they need to stay at the forefront of commercial pool technology. As true extensions of any pool professional's team, Hayward representatives work hard to help each and every one of our partners succeed, day after day to keep your pool running smoothly.

These are just a few of the many reasons why Hayward is a trusted partner in powering recreational bodies of water around the world. Bringing innovative products to commercial pools with speed and ease is just what we do.

For more information about our partnerships, products and programs—including how to earn rewards on purchases through Hayward Rewards—visit us at HaywardCommercialPool.com.

OFFERING A FULL LINE UP OF COMMERCIAL POOL SOLUTIONS



HYDRAULIC PERFORMANCE MADE EASY.

DEPENDABILITY, VERSATILITY AND EFFICIENCY DELIVERED.

With our long history of innovation and industry-leading hydraulic performance, Hayward® is dedicated to keeping commercial pools running smoothly and efficiently with no down time required. Our wide assortment of dependable, high-performance pumps and filters provides the easy solution for every commercial pool system.

Commercial Pumps

Hayward Commercial Aquatics offers a complete line of technologically advanced self-priming pumps. From the industry's most energy-efficient model, the variable-speed HCP 2500 Series, to the best-in-class hydraulics and flow rate of our HCP 3000 Series pumps, we've got pumps that exceed DOE standards and suit any commercial pool.

HCP 4000 SERIES

MODERN THERMOPLASTIC DESIGN FOR HIGH-FLOW, MEDIUM-HEAD APPLICATIONS

- Lightweight Noryl® thermoplastic housing makes installation easy
- Elevated base for better ventilation and protection from flooding
- 4" union connections
- Available in 5.5 to 12.5 HP models
- Available in 230/460V 3-phase models
- Compatible with HCP Series Variable Frequency Drives (VFDs)

HCP 3000 SERIES

BEST-IN-CLASS FLOW RATE FOR A WIDE RANGE OF POOLS

- Sets a new standard of flow rate for the 3" union class
- 7 HP model delivers 250 GPM at 65' of head
- Chemical-resistant Viton® seal for long-term durability
- Versatile strainer basket can be mounted remotely
- Available in 2.0 to 7.0 three-phase models
- 5.0 HP single-phase model also available
- Variable-speed model offered in 2.7 HP on the TriStar® XL
- Compatible with HCP Series Variable Frequency Drives (VFDs) (Excludes single phase models)

HCP 2500 SERIES

THE INDUSTRY'S MOST EFFICIENT 2.7 HP VARIABLE-SPEED PUMPS

- Advanced hydraulic design reduces noise and maximizes energy savings
- 15-ft communications cable for remote interface mounting
- Large ribless strainer basket
- 2 x 2½" union connections

HCP 2000 SERIES

OUTSTANDING VALUE FOR SEMI-COMMERCIAL USE

- Available for 1.0 to 5.0 HP Models in Three Phase
- The industry's most efficient hydraulics for 1 to 5 HP pumps
- Ribless basket design ensures easy debris removal
- 2 x 2½" union connections
- Compatible with HCP Series Variable Frequency Drives (VFDs)

DOE-COMPLIANT HAYWARD PUMPS: COMMERCIAL

PUMP NAME	DESCRIPTION	SPEED	VFD COMPATIBILITY	SKU
HCP 4000	5.5HP 230/460V	Single	✓	HCP40553
	7.5HP 230/460V	Single	✓	HCP40753
	10HP 230/460V	Single	✓	HCP401003
	12.5HP 230/460V	Single	✓	HCP401253
HCP 3000	2HP, Three Phase	Single	✓	HCP30203
	2.7HP, Single Phase	Variable	—	HCP3020VSP
	3HP, Three Phase	Single	✓	HCP30303
	5HP, Three Phase	Single	✓	HCP30503
	5HP, Single Phase	Single	—	HCP30501
	7HP, Three Phase	Single	✓	HCP30703
HCP 2500	2.7HP TriStar® VS C	Variable	—	HCP2500VSP
HCP 2000	1HP TriStar 3PH 208-230/460V	Single	✓	HCP20103
	2HP TriStar 3PH 208-230/460V	Single	✓	HCP20203
	3HP TriStar 3PH 208-230/460V	Single	✓	HCP20303
	5HP TriStar 3PH 208-230/460V	Single	✓	HCP20503

CONTROL MADE EASY. ENHANCED PUMP CONTROL WITH SIMPLE INSTALLATION.

Compatible with Hayward HCP Series and a variety of other 208-230/460 VAC three phase commercial pool pumps, the easy-to install HCP Series Variable Frequency Drive (VFD) provides a budget-friendly solution for more accurate and efficient pump control in new or existing recreational water facilities. The HCP Series VFD delivers all the benefits of a variable-speed pump—including substantial energy savings, improved system efficiency, optimized performance, extended equipment life, and reduced noise levels—without the hassle of needing to replace existing single-speed pumps.

- **Specially Designed Pump Based Software** that is preprogrammed to simply start up and adjust the pump speed.
- **Quick, easy installation** doesn't require a manufacturer drive specialist.
- **Increases pump efficiency** for energy savings up to 50%.
- **Adjustable pump motor speed** matches the necessary flow rate for various pool sizes.
- **NEMA 4X Models** protect the drive from the outdoor elements.
- **OLED multi-language display** and touch screen provide intuitive navigation between menu options.
- **Mountable** with direct wiring to pump power supply for fast, effortless installation.
- **Delivers greater than 98% efficiency,** saving energy and money.

HAYWARD HCP SERIES COMPATIBLE PUMPS*

HCP 2000 SERIES | HCP 3000 SERIES | HCP 4000 SERIES

Note: Hayward VFDs are compatible with other manufacture's three phase pumps

1 YEAR WARRANTY | 2 YEAR WARRANTY**

SPECIFICATIONS

	PART NUMBER	DRIVE ENCLOSURE RATING	PUMP	VOLTAGE	INPUT Φ	OUTPUT Φ	PUMP AMPS	DRIVE AMPS	BREAKER SIZE	WIRE SIZE 75˚ COPPPER
208/230V 1 Φ to 3 Φ	HCPVFD2201051P[2]	NEMA 4X	2/3	208/240	1	3	8.7/9.2	10.5	25	12
	HCPVFD3201531P[2]	NEMA 4X	5.5	208/240	1	3	14.6	10.5	40	8
	HCPVFD421501P[2]	NEMA 12	7.5	208/240	1	3	26	15	40	8
	HCPVFD520201P[2]	NEMA 12	10	208/240	1	3	33	46	60	6
	HCPVFD520251P[2]	NEMA 12	12.5	208/240	1	3	48	61	70	4
	HCPVFD620301P[2]	NEMA 12	15	208/240	1	3	56	90	70	4
	HCPVFD620401P[2]	NEMA 12	20	208/240	1	3	68	110	100	3
	HCPVFD620501P[2]	NEMA 12	25	208/240	1	3	54	150	100	3
	HCPVFD620601P[2]	NEMA 12	30	208/240	1	3	80	180	100	3
208/230V 3 Φ to 3 Φ	HCPVFD2201053P[1]	NEMA 4X	2/3	208/240	3	3	7.8/9.2	10.5	15	14
	HCPVFD3201803P[1]	NEMA 4X	5.5	208/240	3	3	14.6	18	30	10
	HCPVFD3202403P[1]	NEMA 4X	7.5	208/240	3	3	21	24	35	10
	HCPVFD4203003P[1]	NEMA 4X	10	208/240	3	3	26.1	30	45	8
	HCPVFD4204603P[1]	NEMA 4X	12.5/15	208/240	3	3	31.6/46	46	70	4
	HCPVFD520201P[1]	NEMA 12	20	208/240	3	3	33	46	60	6
	HCPVFD520251P[1]	NEMA 12	25	208/240	3	3	48	61	70	4
	HCPVFD620301P[1]	NEMA 12	30	208/240	3	3	54	90	70	4
	HCPVFD620401P[1]	NEMA 12	40	208/240	3	3	68	110	100	3
	HCPVFD620501P[1]	NEMA 12	50	208/240	3	3	54	150	100	3
	HCPVFD620601P[1]	NEMA 12	60	208/240	3	3	80	180	100	3
460V 3 Φ to 3 Φ	HCPVFD1400413P[1]	NEMA 4X	2	460	3	3	4.1	5.25	10	14
	HCPVFD2400583P[1]	NEMA 4X	3	460	3	3	5.8	7.8	10	14
	HCPVFD2400953P[1]	NEMA 4X	5.5	460	3	3	7.3	9.5	15	14
	HCPVFD3401403P[1]	NEMA 4X	7.5/10	460	3	3	10.5/13.5	14	25	12
	HCPVFD3401803P[1]	NEMA 4X	12.5	460	3	3	15.8	18	30	10
	HCPVFD3402403P[1]	NEMA 4X	15	460	3	3	24	24	35	10
	HCPVFD4403003P[1]	NEMA 4X	20	460	3	3	30	40	45	8
	HCPVFD4403903P[1]	NEMA 4X	25	460	3	3	39	39	60	6
	HCPVFD4404603P[1]	NEMA 4X	30	460	3	3	46	46	70	4

*Only applies to single-speed and 3-phase models.
** 2 Year Warranty if paired with a Hayward pump
[1]Not Compatible with Class A GFCI circuit breakers. Check your local electrical code requirements.
[2]Compatible with Siemens QF Series Class A GFCI circuit breakers.

HCP 4000 SERIES PUMPS

Hayward®'s heavy-duty HCP 4000 Series pumps provide a technologically advanced alternative to traditional bronze or cast-iron pumps. Their lightweight Noryl® thermoplastic housings make installation easy. The all-plastic housing construction and modern TEFC motor design afford a high level of protection and reliability in the commercial pump-room environment. A transparent lid with a tool-free opening mechanism allows visual inspection of the strainer basket, simplifying maintenance. Four pumps, ranging from 5.5 to 12.5 HP, allow right-sizing for most high-flow, medium-head applications.

NSF Certified to NSF/ANSI/CAN 50 | 1 YEAR WARRANTY | 2 YEAR* WARRANTY

- **VFD Compatible** see compatible Hayward VFD below
- **Lightweight, glass-reinforced** hydraulic body
- **Transparent lid** allows visual inspection of the strainer basket
- **Modern totally enclosed fan-cooled (TEFC) motor** design for greater protection and high reliability
- **Elevated base** ensures better ventilation, protection from flooding and improved serviceability
- **Tool-free, quick-release bolted lid mechanism** for fast and easy access to strainer basket
- **4" union connections** to make installation and servicing easy
- **Suitable** for commercial swimming pools, spas and water features
- **1-year limited** warranty
- **2-year*** with Installation with a Hayward VFD
- **NSF/ANSI Standard 50 Certified**

VFD COMPATIBLE

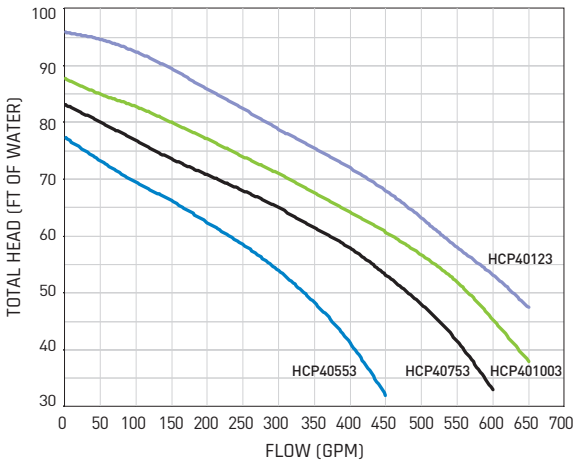
TECHNICAL SPECIFICATIONS

PART NUMBER	HORSEPOWER	VOLTAGE	PHASE	AMPS	HZ	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCP40553	5.5	230/460	3-Phase	14.6/7.3	60	1	110.0
HCP40753	7.5	230/460	3-Phase	21.0/10.5	60	1	125.0
HCP401003	10.0	230/460	3-Phase	26.1/13.0	60	1	142.5
HCP401253	12.5	230/460	3-Phase	31.6/15.8	60	1	155.0
HCXP6002A	HCP 4000 SERIES SPARE STRAINER BASKET		—			1	3.5

COMPATIBLE HAYWARD VARIABLE FREQUENCY DRIVES

	SINGLE PHASE INPUT	THREE PHASE INPUT	
PUMP SKU	208-230V	208-230V	460V
HCP40553	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P
HCP40753	HCPVFD421501P	HCPVFD3202403P	HCPVFD3401403P
HCP401003	HCPVFD520201P	HCPVFD4203003P	HCPVFD3401403P
HCP401253	HCPVFD620251P	HCPVFD4204603P	HCPVFD3401803P

HCP 4000 SERIES PERFORMANCE DATA



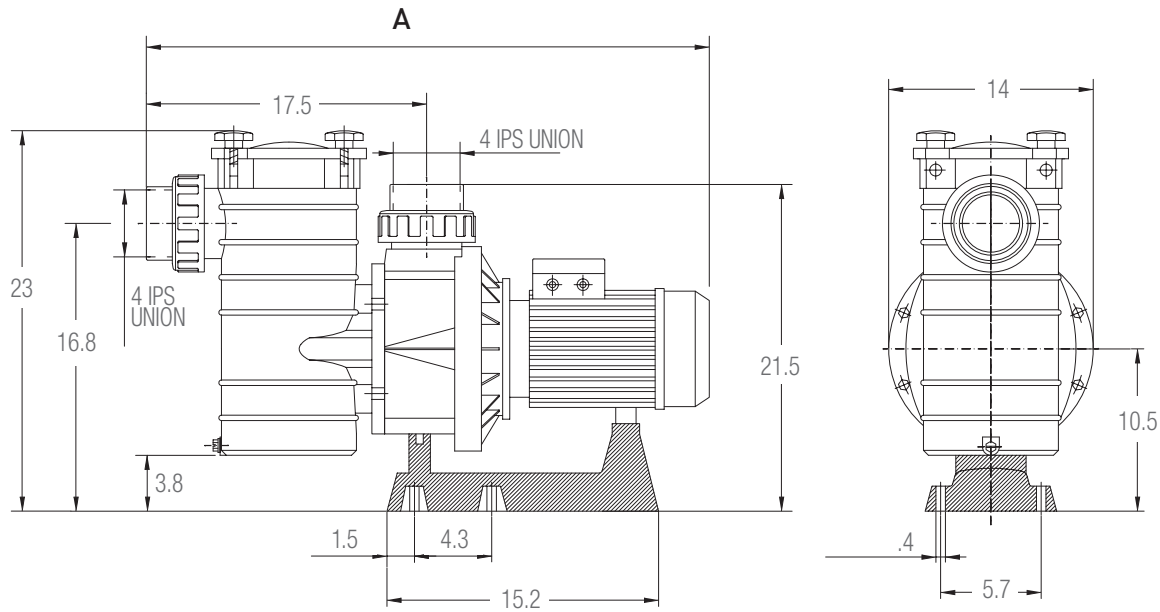
All motors certified to UL1004, IP 55 protection, insulation class F. 60 HZ., 3450 RPM

HEAD LOSS (FT) – HCP SINGLE-SPEED PUMPS

GPM	PERFORMANCE HCP40553	PERFORMANCE HCP40753	PERFORMANCE HCP401003	PERFORMANCE HCP401253
0	77.4	83.2	87.78	95.9
50	73.3	80.1	85	94.64
100	69.5	76.8	82.8	92.44
150	66.2	73.6	80	89.42
200	62.4	70.8	77.1	85.9
250	58.5	68	74	82.43
300	53.9	65	71	78.8
350	48.3	61.4	67.7	75.5
400	41.2	57.9	64.2	72
450	32	53.2	60.7	68
500	—	48	56.7	63.2
550	—	41.5	51.9	58
600	—	33	45.33	53.2
650	—	—	38	47.4
700	—	—	—	—

PART NUMBER	HP	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD) FLOW RATE (GPM) 30	35	40	45	50	55	60	65	MAX PUMP FLOW	LENGTH A (INCHES)
HCP40553	5.5	—	431	406	374	333	291	235	250	450 GPM @ 32 TDH	34.2
HCP40753	7.5	—	588	561	526	481	430	369	300	600 GPM @ 33 TDH	36.0
HCP401003	10.0	—	—	635	602	570	521	461	390	650 GPM @ 37 TDH	37.2
HCP401253	12.5	—	—	—	—	631	580	536	475	650 GPM @ 47 TDH	37.2

DIMENSIONS (INCHES)



HCP 3000 SERIES PUMPS

HCP 3000 Series pumps are game changers in commercial pump performance and versatility. Engineered for durability, they set a new flow rate standard for the 3" union class. A variety of power options, single or variable speed, means you can provide the optimum solution for a wide range of pools, delivering maximum performance without compromising efficiency. Suitable for virtually any small-to mid-sized commercial pool.

3 YEAR WARRANTY COMMERCIAL | 4 YEAR WARRANTY RESIDENTIAL (VSP MODEL) | c UL us | NSF Certified to NSF/ANSI/CAN 50 | ENERGY STAR

UP TO 10.0 WEF

HCP3020VSP comes with a 4 year warranty when installed on residential applications.

- **First 3" pumps to achieve hydraulic performance** of more than 250 gallons per minute at 60' of head [7 HP model], saving more energy than any comparable pump on the market.
- **Modern totally enclosed fan-cooled (TEFC) motors** in all models provide a higher level of reliability.
- **Chemical-resistant Viton® seal** for long-term durability.
- **Removable, oversized strainer basket** reduces daily cleaning and maintenance and can be remotely mounted for increased versatility.
- **2.5" x 3" union connections** for simple, drop-in replacement in almost any application.
- **2.7 HP variable-speed** version available.
- **Ports are compatible with most other equipment brands**
- **VFD Compatible.**
- **4-year** warranty on HCP3020VSP when installed on a residential application.
- **3-year** warranty on all single-speed models.
- **NSF/ANSI Standard 50 Certified.**

TRISTARXL®

3 YEAR WARRANTY*

4 YEAR WARRANTY**

VFD COMPATIBLE

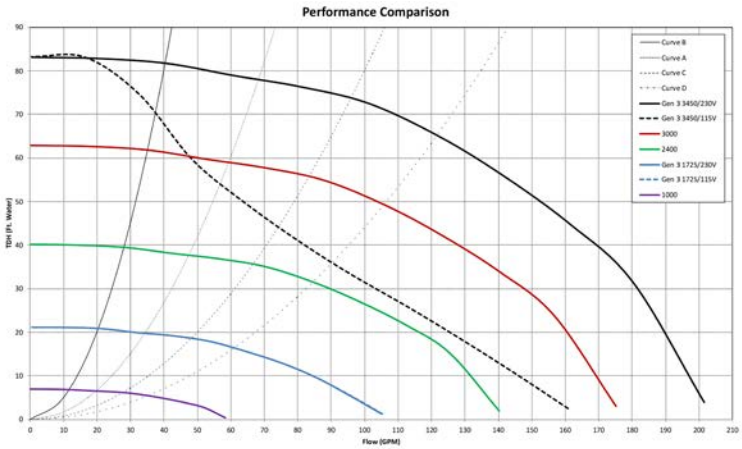
TECHNICAL SPECIFICATIONS

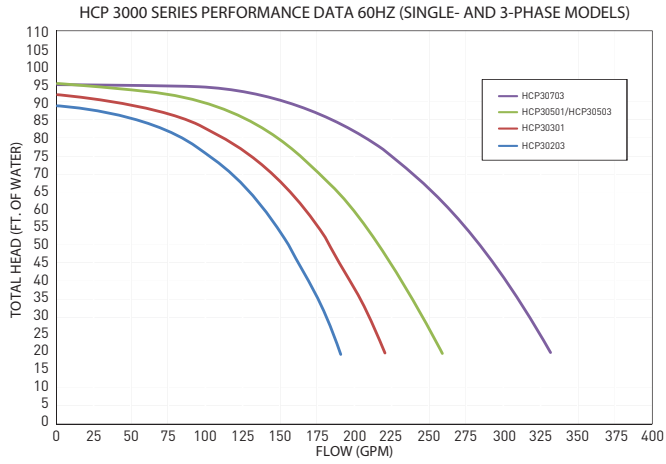
PART NUMBER	RATED HORSEPOWER	VOLTAGE	PHASE	RATED CURRENT (AMPS)	HZ	WEIGHTED ENERGY FACTOR (WEF)	CTN. QTY.	CTN. WT. (LBS.)
HCP3020VSP	2.7	230/115V, Variable Speed	1-Phase	10.2/12.2	60	7.2/9.9	1	75.0
HCP30501	5.0	208-230V, Single Speed	1-Phase	21.0-20.0	60	2.0	1	102.0
HCP30203	2.0	208-230/460V, Single Speed	3-Phase	6.1-6.0/3.0	50/60	2.4	1	91.0
HCP30303	3.0	208-230/460V, Single Speed	3-Phase	9.2-9.0/4.5	50/60	2.3	1	96.0
HCP30503	5.0	208-230/460V, Single Speed	3-Phase	13.6-13.2/6.6	50/60	2.1	1	102.0
HCP30703	7.0	230/460V, Single Speed	3-Phase	19.8-17.2/8.6	50/60	1.6	1	107.0
HCXP3000M	HCP 3000 SERIES SPARE STRAINER BASKET		—				1	3.5

COMPATIBLE HAYWARD VARIABLE FREQUENCY DRIVES

	SINGLE PHASE INPUT	THREE PHASE INPUT	
PUMP SKU	208-230V	208-230V	460V
HCP30203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP30303	HCPVFD2201051P	HCPVFD2201053P	HCPVFD2400583P
HCP30503	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P
HCP30703	HCPVFD421501P	HCPVFD3202403P	HCPVFD3401403P

*3 Year Commercial Warranty | ** 4 Year Residential Warranty



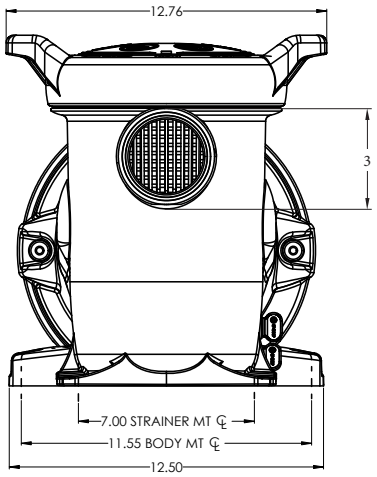


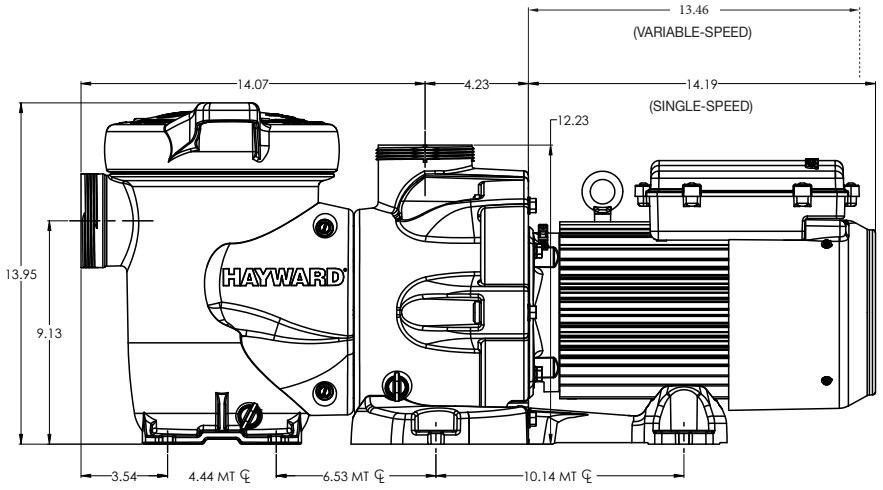
Note: Variable Speed Pump Curves are available for every 100 RPM interval. Please contact your local commercial sales representative for more information.

SPECIFICATIONS

PART NUMBER				PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD)							
MODEL		HP	PH	40	45	50	55	60	65	70	75
HCP30203		2	3	170	163	156	145	140	130	120	102
HCP30303		3	3	198	285	185	180	166	155	145	130
HCP30501/HCP30503		5	1/3	232	225	217	210	200	185	179	163
HCP30703		7	3	303	290	285	275	265	250	240	225
	RPM	HP	PH	40	45	50	55	60	65	70	75
	3450 RPM			168	162	152	145	134	125	110	90
	3200 RPM			148	140	130	120	108	90	46	n/a
HCP3020VSP	3000 RPM	2.7	1	133	122	110	93	75	n/a	n/a	n/a
	2800 RPM			112	98	80	30	n/a	n/a	n/a	n/a
	2600 RPM			85	65	n/a	n/a	n/a	n/a	n/a	n/a
	2400 RPM			21	n/a	n/a	n/a	n/a	n/a	n/a	n/a

DIMENSIONS (INCHES)





HCP 2500 SERIES PUMPS

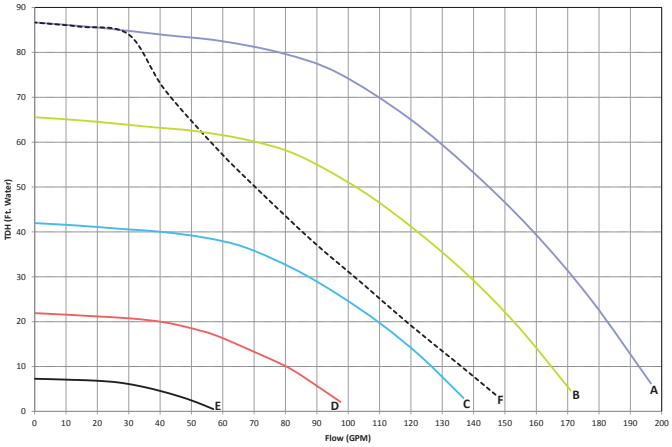
TRISTAR® VS C

HCP 2500 is the industry's most energy-efficient variable-speed pump, delivering up to 90% savings to pool operators. With up to eight custom speed and timer functions, it's fully compliant with energy efficiency regulations such as Title 20 and APSP-15 and its settings can be "locked out" for authorized access only. The advanced hydraulic design moves water more efficiently, operating at lower RPMs to minimize noise.

3 YEAR WARRANTY COMMERCIAL | 4 YEAR WARRANTY RESIDENTIAL | cULus | NSF Certified to NSF/ANSI/CAN 50 | ENERGY STAR

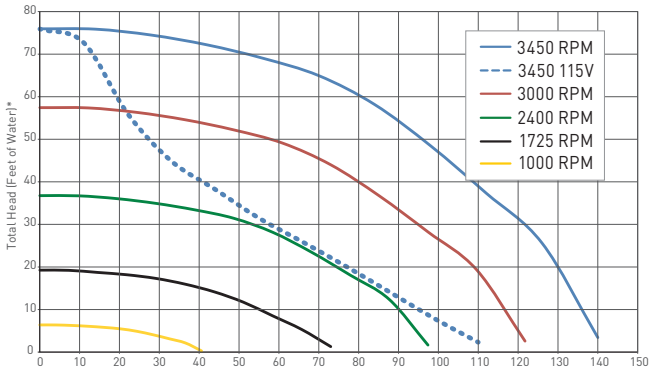
UP TO 10.1 WEF

HCP 2500 VS (2.7 HP PERFORMANCE DATA)



A: 3450 RPM B: 3000 RPM C: 2400 RPM D: 1725 RPM E: 1000 RPM F: 3450 RPM (115V)

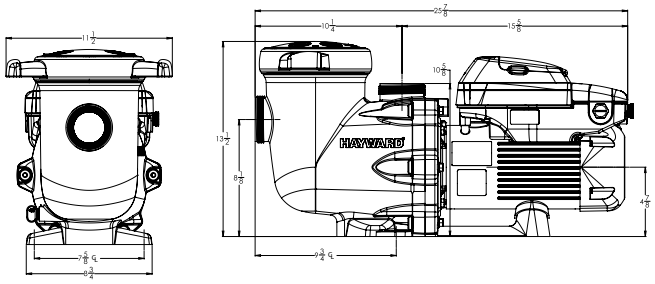
TRISTAR VS 900 PERFORMANCE COMPARISON



*2.31 Feet of Water = 1 PSI

- **Fully programmable** digital interface features a 24-hour clock, 8 custom speed and timer functions and password-protected settings.
- **Seamlessly integrates** with Hayward® OmniLogic®.
- **Permanent magnet, totally enclosed fan-cooled motor** provides maximum efficiency and reliability.
- **Relay control compatible** - Set and activate the pump with a timer switch or push button.
- **2" x 2½" union connections** simplify installation and servicing.
- **Interchangeable pump bases** allow for easy retrofit installations.
- **4-year warranty** on HCP2500VSP when installed on a residential application.
- **NSF/ANSI Standard 50 Certified**

DIMENSIONS (INCHES)



TECHNICAL SPECIFICATIONS

PART NUMBER	DESCRIPTION	SPEED RANGE	RATED HORSEPOWER	PHASE	VOLTAGE	AMPERAGE	WEIGHTED ENERGY FACTOR (WEF)	CTN. QTY.	CTN WT (LBS.)
HCP2500VSP*	TriStar VS C	600-3450 RPM	2.7	1-Phase	230V/115V	10.9 AMP	7.3/10.1	1	63.0
SP32900VSP	TriStar VS 900	600-3450 RPM	1.85	1-Phase	230V/115V	8.3 AMP	8.3/12.9	1	52.0
SPX3200M	HCP TRISTAR SERIES SPARE STRAINER BASKET			—				1	3.5

Additional pump curves for VSP Models are available at each 100 RPM Interval, contact local CSM for more information

* Formerly HCP3400VSP, pump curves match.

HCP 2000 SERIES PUMPS

TRISTAR®

HCP 2000 pumps outperform the competition in flow and efficiency while their lightweight design, union connections and tool-free lid opening make installation, service and maintenance easy. Available in 1.0 to 5.0 HP models, they are the ideal option to provide industry-leading value in any semi-commercial application.

- **Clear Tri-Lock strainer** cover seals with less than a quarter turn.
- **Large, no-rib strainer basket** extends time between cleanings and ensures easy debris removal.
- **2" x 2½" union connections** simplify installation and servicing.
- **VFD Compatibility** with single-phase 208-230V and three-phase 208-230V/460V VFDs, offering energy savings, extended pump life, and enhanced performance.
- **Elevated base** improves ventilation and protects against flooding.
- **3-year warranty** on all single-speed models

UP TO 4.2 WEF

3 YEAR WARRANTY

c UL us

NSF Certified to NSF/ANSI/CAN 50

TECHNICAL SPECIFICATIONS

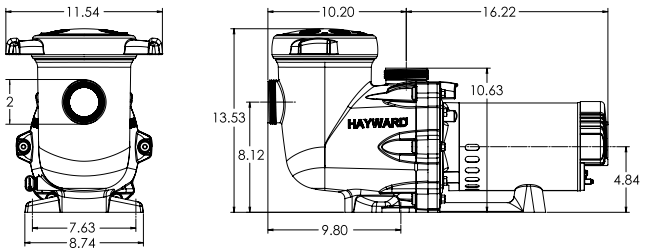
PART NUMBER	RATED H.P.	VOLTAGE	AMPS	HZ	WEIGHTED ENERGY FACTOR (WEF)	CARTON WEIGHT (LBS.)	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW PER FT OF HEAD									
							35	40	45	50	55	60	65	70	75	80
HCP20103	1.0	208-230/460 3-Phase	6.4-5.8/2.9	50/60	3.0	49.0	115	110	103	97	90	82	75	70	40	3
HCP20203	2.0	208-230/460 3-Phase	8-8.4/4.2	50/60	2.5	49.0	165	161	154	148	140	130	119	109	99	80
HCP20303	3.0	208-230/460 3-Phase	10.8-11.4/5.7	50/60	2.3	49.0	0	185	180	172	165	155	145	138	125	117
HCP20503	5.0	208-230/460 3-Phase	13.4/6.7	60	2.0	65.0	0	0	0	0	190	182	175	168	160	155
SPX3200M	HCP TRISTAR SERIES SPARE STRAINER BASKET				1	3.5	—									

COMPATIBLE HAYWARD VARIABLE FREQUENCY DRIVES

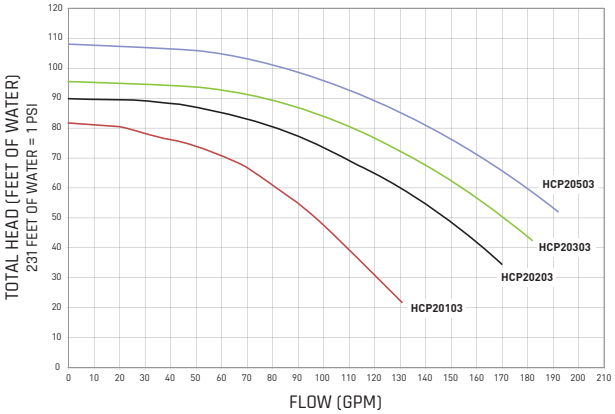
	SINGLE PHASE INPUT	THREE PHASE INPUT	
PUMP SKU	208-230V	208-230V	460V
HCP20103	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20303	HCPVFD3201531P	HCPVFD2201053	HCPVFD2400583P
HCP20503	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P

VFD COMPATIBLE

DIMENSIONS (INCHES)



PERFORMANCE DATA



Commercial Filters

Hayward® Commercial Aquatics offers the latest in filtration technology with the HCF Series sand filters, well positioned to meet the most demanding commercial filtration requirements. Their heavy-duty fiberglass construction provides unprecedented flow capacity, innovative features and a 5-year warranty. In addition, our dual-quad-cluster HCF7030C cartridge system features increased hydraulic efficiency to reduce operation costs.

HCF SERIES BOBBIN WOUND VERTICAL SAND FILTERS

The large-format HCF Series bobbin wound sand filters are designed to provide the ultimate in filtration performance and durability. Larger sizes eliminate the need to use multiple smaller filters, meaning you'll save valuable floor space and reduce installation and plumbing complexity —and simplify maintenance and backwashing, too. Constructed with heavy-duty filament-wound fiberglass, a UV protected resin and corrosion-proof internals, the large-format HCF Series sand filters offer a powerful, streamlined filtration solution for the recreational water market.

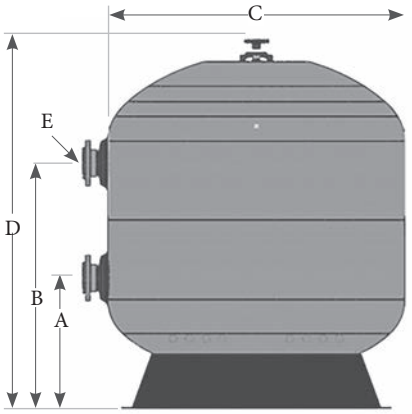
NSF Certified to NSF/ANSI/CAN 50

5 YEAR WARRANTY

- **Large-format filters** eliminate the need for multiple smaller filters, saving valuable space while providing flow rates up to 433 GPM.
- **Reduced installation and plumbing complexity** with simplified maintenance and backwashing.
- **Manufactured from heavy-duty filament-wound fiberglass** for high-performance filtration and long-lasting durability.
- **UV-protected resin coat and corrosion-proof internals** protect the filter from even the harshest environments.
- **Large manway mechanism with positive seal** enables easy inspection.
- **Durable fiberglass base** for sturdy installation.
- **Industrial-grade laterals and quad diffusers** improve filtration and lengthen filter cycle time.

DIMENSIONS

FILTER MODEL NUMBER	DIMENSIONS (INCHES)					GRAVEL/ SAND QTY.	INSTALLATION CLEARANCE (INCHES)		CARTON WEIGHT	CARTON DIMENSIONS
	A	B	C	D	E	LBS.	VERT.	HOR.	LBS.	(LXWXH)
HCF342C	19.64	31.46	42.9	48.66	3	225/1400	18	4	224.8	46.1" x 43.3" x 49.2"
HCF348C	27.12	38.94	50	58.03	3	600/2250	18	4	275.5	51.2" x 50" x 57.9"
HCF455C	31.90	48.90	57	74.50	4	500/5300	18	4	599.5	63" x 59.1" x 74.8"
HCF663C	28.22	47.22	67.25	75.82	6	850/6800	18	4	698.7	70.9" x 66.9" 76.4"

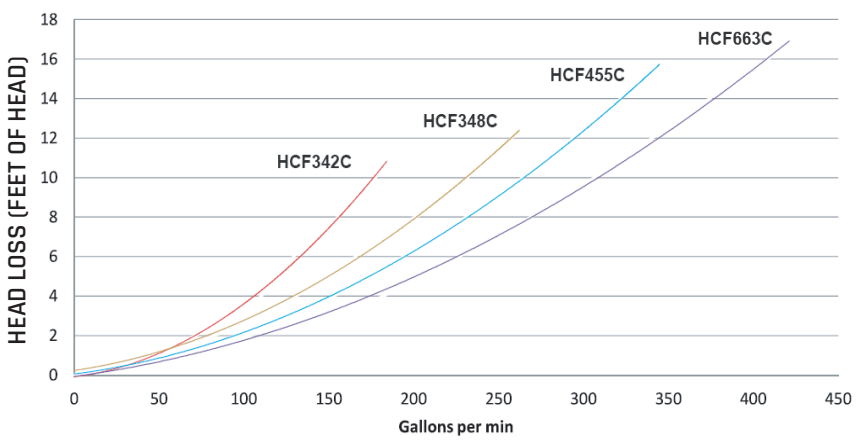


TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

PART NUMBER	HCF342C		HCF348C		HCF455C		HCF663C	
Size of Fiberglass Sand Filter	42"		48"		55"		63"	
Filtration Area/ft²/M²	9.83	0.91	13.40	1.24	16.49	1.53	21.64	2.01
Filtration Rate GPM/ft²	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft² (GPM) (LPM)	147	559	201	762	247	937	324	1230
Filtration Flow Rate at 20 GPM/ft² (GPM) (LPM)	196	745	268	1014	329	1249	432	1639
Backwash Flow Rate GPM/ft²	5-20		5-20		5-20		5-20	
Maximum Working Pressure (PSI)	50		50		50		50	
6-hr Turnover Pool Size @ 15 GPM/ft²	53,082 gal		72,360 gal		89,046 gal		1,168,560 gal	
6-hr Turnover Pool Size @ 20 GPM/ft²	70,776 gal		96,480 gal		118,728 gal		1,558,080 gal	
Inlet/Outlet Port Diameter	3"		3"		4"		6"	
Inlet/Outlet Connection Type	Union/ANSI Flange*		Union/ANSI Flange*		ANSI Flange*		ANSI Flange*	
Multiport Valve Part Number	HCV375C		HCV375C		HCV475C		HCV475C**	

Filter accessories can be found on page 267
*Second Flange, Gaset, and flange hardware not included, comes with single side flange connection for filter inlet/outlet.
**In-field plumbing with bushings will be required to adapt this filter as well as the additional 6" ANSI flanges.

HCF342C, HCF348C, HCF455C, HCF663C (PERFORMANCE DATA)



HCF SERIES LAMINATED SAND FILTERS (30" - 36")

The HCF Series laminated sand filter sets a new standard for performance and longevity in the recreational water market. Designed to improve filtration and lengthen filter cycles, it also includes a UV-protected gel coat that shields the filter against the elements, preventing fiberglass blooming. Its secure lid mechanism enables easy inspection, and because it's manufactured from proprietary resins and fiberglass, it's virtually corrosion proof.

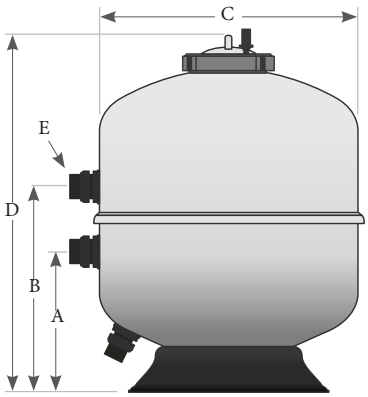
NSF Certified to NSF/ANSI/CAN 50

5 YEAR WARRANTY

- **34" model** fits through standard 36" doorways with no need to remove the door frame, simplifying replacement installations.
- **Two 36" models available** with 2.5" (HCF236C) or 3" (HCF336C) connections.
- **High-performance filtration and longer service life.**
- **UV-protected gel coat** protects the filter from the elements and algae blooming.
- **Multi-diffuser distribution heads and oversized laterals** improve filtration and lengthen filter cycle time.
- **Secure manway mechanism** enables easy inspection.
- **Commercial grade, PVC and Polypropylene injection molded slotted laterals** resist corrosion to ensure high performance.
- **Manufactured from proprietary resins and fiberglass** to be virtually corrosion proof.

DIMENSIONS

FILTER MODEL NUMBER	DIMENSIONS (INCHES)					SAND ONLY QTY.	INSTALLATION CLEARANCE (INCHES)		CARTON WEIGHT	CARTON DIMENSIONS
	A	B	C	D	E	LBS.	VERT.	HOR.	LBS.	(LXWXH)
HCF230C	16.25	23.75	31.49	42.6	2	600	18	4	108	33.5" x 33.5" x 40.2"
HCF234C	18.75	26.25	33.85	46.4	2	750	18	4	134.4	37" x 37" x 44.5"
HCF236C	18.75	26.25	37.4	47.6	2.5	900	18	4	167.5	38.6" x 38.6" x 45.7"
HCF336C	18.5	26.22	37.4	47.6	3	900	18	4	180.7	38.6" x 38.6" x 45.7"

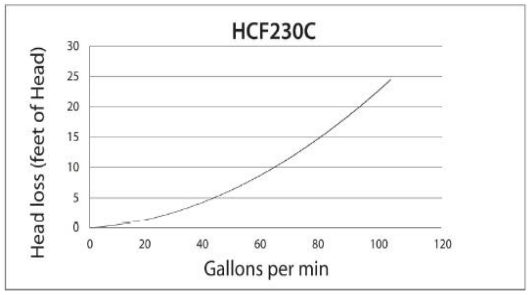


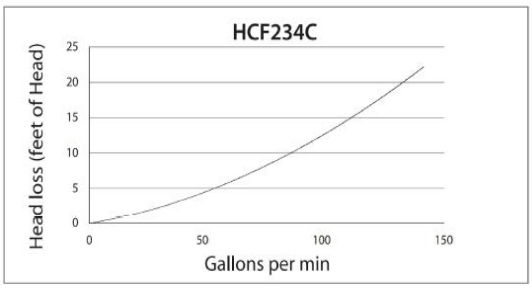
TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

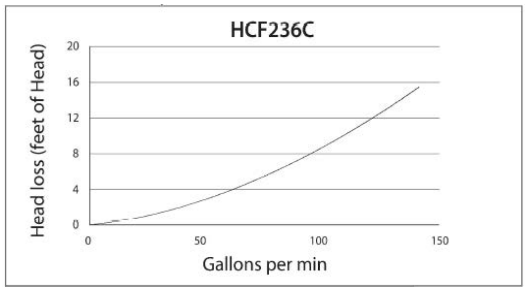
PART NUMBER	HCF230C		HCF234C		HCF236C		HCF336C	
Size of Fiberglass Sand Filter	30"		34"		36"		36"	
Filtration Area/ft²/M²	4.9	0.45	6.31	0.59	7.05	0.65	7.05	0.65
Filtration Rate GPM/ft²	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft² (GPM) (LPM)	73	278	94	358	105	400	105	400
Filtration Flow Rate at 20 GPM/ft² (GPM) (LPM)	98	370	126	476	141	533	141	533
Backwash Flow Rate GPM/ft²	5-20		5-20		5-20		5-20	
Maximum Working Pressure (PSI)	50		50		50		50	
6-hr Turover Pool Size @ 20 GPM/ft²	35,280 gal		45,360 gal		50,760 gal		50,760 gal	
6-hr Turnover Pool Size @ 15 GPM/ft²	26,460 gal		34,074 gal		38,070 gal		38,070 gal	
Inlet/Outlet Port Diameter	2"		2"		2.5"		3"	
Filter Inlet/Outlet Connection Type	Union**		Union**		Union**		Union/ANSI Flange	
Filter Adapter Included	Yes**		Yes**		Yes**		No	
Multiport Valve Part Number	HCV275C (2")		HCV275C (2")		HCV2575C (2.5")		HCV375* (3")	

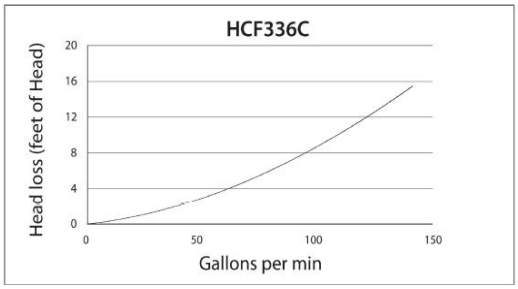
Filter accessories can be found on page 267
*P/N HCV375 requires field plumbing (Pipe and Fittings not included)
**3" Flanges and hardware required to connect to 3" flanges provided for the filter inlet and outlet.

HCF230C, HCF234C, HCF236C, HCF336C (PERFORMANCE DATA)









COMMERCIAL MULTIPORT VALVES

Hayward® Commercial Aquatics' HCF Series Sand Filters can be installed individually or configured in multi-filter banks to suit the filtration requirements of any swimming pool or spa. Hayward Multiport Valves simplify installation and operation and are engineered for maximum flow and minimal pressure drop. The six-position valves facilitate selection of filter, backwash, waste, rinse, closed or recirculate modes at the turn of a single lever.

- **Factory plumbed** to fit most Hayward HCF Series gel-coated and filament-wound commercial sand filters.
- **Simplifies** filter installation and operation.
- **Six mode selections** at the turn of a single lever.
- **Union connectors included**
- **Complete range** with 2", 2.5", 3" and 4" models.

MULTIPORT VALVE APPLICATION CHART

HCF SERIES FILTER MODEL	PORT SIZE	MULTIPORT VALVE
HCF230C, HCF234C	2"	HCV275C
HCF236C	2.5"	HCV2575C
HCF336C	3"	HCV375*
HCF342C, HCF348C	3"	HCV375C
HCF455C & HCF663C**	4"	HCV475C
LEGACY GEN 3 FILTERS		
HCF230, HCF234, HCF236	2"	HCV275

*PN HCV375 will require field plumbing
**Additional 4" and 6" flanges, flange hardware, and reducer bushings are required to connect the HCV475C to the 63" HCF663C filter.

PART NUMBER	SIZE	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	GPM	LPM
HCV275C	2"	2" Commercial Multiport Valve Kit	1	10.8	135	500
HV2575C	2.5"	2.5" Commercial Multiport Valve Kit	1	16.0	209	780
HCV375	3"	3" Commercial Multiport Valve (Valve Only)*	1	22.0	300	1137
HCV375C	3"	3" Commercial Multiport Valve Kit	1	22.0	285	1078
HCV475C	4"	4" Commercial Multiport Valve Kit (flange)	1	36.0	476	1800

*PN HCV375 will require field plumbing

LEGACY GEN 3 MULTIPORT VALVE (BOLT DOWN LID VERSION FILTER)

PART NUMBER	SIZE	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	GPM	LPM
HCV275	2"	2" Commercial Multiport Valve Kit	1	10.8	125	475

*Legacy HCF Filter

Head loss curves for each multiport valve type are available in the user manuals for design reference.

HCF SERIES CARTRIDGE FILTERS

The Dual-Quad-Cluster commercial HCF7030C cartridge filter system features a massive 700 ft2 of filter area providing heavy-duty, dirt-holding capacity and extra-long filter cycles. The HCF7030C will prove to be a major contributor to any pool or spa operator driving to provide the ultimate in clear, fresh and safe water.

It will reduce operation costs and enhance the eco-friendliness of the facility by saving thousands of gallons of carefully balanced, heated pool water per month through the elimination of backwashing. Ideal for new construction or retrofits, the HCF7030C can accommodate commercial flow rates to 150 GPM. The filter exterior is molded from a glass-reinforced co-polymer material capable of meeting the rigorous demands of the commercial environment.

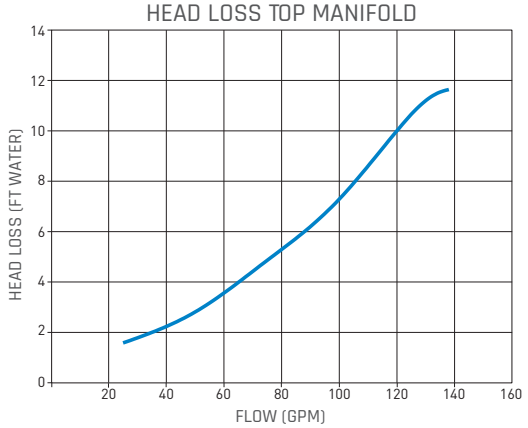
NOTE: Replacement for Legacy C7030 Residential Filter

- **700 ft² of high-performance filter media,** effective particulate removal of 10-20 microns vs. 20-40 microns with sand.
- **Easy access** to eight compact cartridges for fast, manageable cleaning.
- **2" x 2½" connections** with full 2" internal piping.
- **Capable of handling 150 GPM** flow rates.
- **1-year warranty** on parts.
- **3-year warranty** when installed on residential application.
- **NSF/ANSI Standard 50 Certified**

NSF Certified to NSF/ANSI/CAN 50

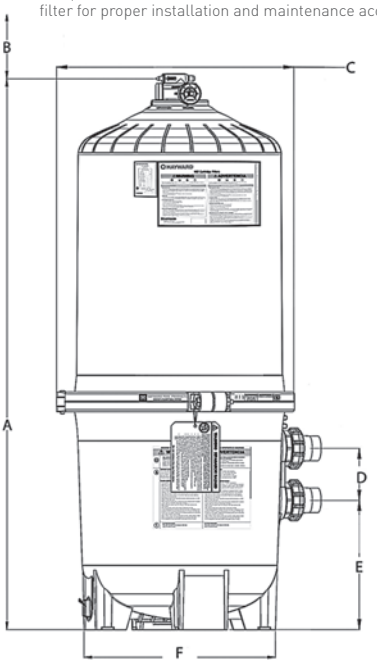
3 YEAR WARRANTY

HEAD LOSS TOP MANIFOLD



GPM	HLF
0	-0.5
25	1.58
50	2.81
75	4.86
100	7.29
125	10.66
138	11.64

*Requires 28 inches of vertical clearance above the filter for proper installation and maintenance access.



TECHNICAL SPECIFICATIONS AND PERFORMANCE DATA

PART NUMBER	HCF7030C
Product Dimensions	52.5" Tall, 26" Diameter
Effective Filtration Area	700 ft²
Design Flow Rate	150 GPM*
Filter Type	Dual Quad-Cluster Polyester Cartridge
Filter Tank	Injection Molded Glass-Reinforced Co-Polymer
Filter Elements	Eight Reinforced Polyester Cartridges
Replacement Elements	CX591XREPAK4 (2 each)
Maximum Working Pressure	50 psi
Turnover (in gallons) 6 hrs	54,000
Turnover (in gallons) 4 hrs	36,000
Product Weight	77 lbs.

DIMENSIONS (INCHES)

A	B**	C	D	E	F
52.5	28	26	5	12.5	18

*For proper hydraulic performance based on flow rate (8 ft/sec): 2-inch Schedule 40 PVC is recommended for flow rates less than 84 GPM. 2 ½-inch Schedule 40 PVC is recommended for flow rates between 84 and 119 GPM. 3-inch Schedule 40 PVC is recommended for flow rates between 119 and 150 GPM.
**B = Vertical Clearance

WATER QUALITY MANAGEMENT MADE EASY.

THE CLEAREST WATER, PURE AND SIMPLE.

Ensuring swimmers' health and safety is your top priority and ours too. Innovative advancements in efficient sanitization provide the purest water possible while our wireless water chemistry automation allows for easy and effortless remote management. So as you put swimmers' safety first, you'll enjoy peace of mind, energy cost savings and total control over water quality in all of your facilities.

Commercial Automation

Thousands of commercial pools, spas, water parks and water treatment facilities worldwide rely on CAT Controllers® and HCC branded controllers, certified to NSF/ANSI Standard 50, to provide enhanced water quality management and reduced operational costs. Every model provides unmatched control over pH, ORP, and sanitization for chlorine, bromine or salt chlorinated pools. Our wireless, web-based models are available with Wi-Fi® and cellular connectivity to allow unparalleled remote monitoring and control through PoolComm® (PoolComm.com or PoolComm App).

CAT & HCC CONTROLLER MODEL GUIDE

		CAT 5500®	CAT 5000®	CAT 4000® & HCC 4000	CAT 2000® & HCC 2000	CAT 1000® & HCC 1000
MONITORING AND CONTROLS	pH	•	•	•	•	•
	ORP	•	•	•	•	
	Temp	•	•			
	Water Level*	•	•	•		
	Tank Level*	•	•	•		
	Digital Flow*	•	•	•		
	Total Dissolved Solids	•				
	NaCl (Salt)	•				
	Backup Sanitization (Secondary ORP Set Point)	•	•	•		
FEATURES AND CAPABILITIES	Auxiliary Relays	2	2	1		
	PVC Backboard	•	•	•	•	•
	Installation Kit	•	•	•	•	•
	Wireless, Web-based Communications (Pool COMM)	✓	✓	✓		

*Requires accessory that is purchased separately. Reference page 288

CAT CONTROLLER PACKAGE OPTIONS

The CAT Controller lineup offers two distinct package options to suit varying application needs.

PROFESSIONAL (PRO) PACKAGE

For enhanced precision and durability, the Professional (Pro) Package upgrades to a machined acrylic flow cell with a rotary flow sensor, maintaining the same robust warranty coverage. The Pro Package is exclusively available for CAT controllers with SKUs marked "PP," providing users the flexibility to choose between standard reliability and professional-grade performance.

CAT 2000 PROFESSIONAL PACKAGE

STANDARD PACKAGE

The Standard Package features a plastic blow molded flow cell paired with a float-style flow sensor and ball valves.

STANDARD PACKAGE

HCC2000

CAT CONTROLLER PACKAGES

PACKAGE	CONTROLLER	FLOW CELL	FLOW SENSOR	BALL VALVES	WARRANTY (CONTROLLER / PROBES / WEARABLES)	SKU RULE
Standard	HCC	Molded	Float Style	Yes	3 yrs / 1 yr / 1 yr (No labor)	All HCC controllers
Standard	CAT	Molded	Float Style	Yes	5 yrs / 26 mo / 1 yr (No labor)	Any CAT SKU without "PP"
Pro (PP)*	CAT	Machined Acrylic	Rotary	Yes	5 yrs / 26 mo / 1 yr (No labor)	Any CAT SKU with "PP"*

* Only the CAT5500-WIFICA does not include the "PP" in the sku but still comes with the ProPack

CAT 5500® AUTOMATED PH/ORP CONTROLLERS WITH TDS AND SALT MONITORING CAPABILITIES

Discover powerful water chemistry controllers complete with TDS, temperature and salt monitoring. CAT 5500 wireless communicating controller are equipped with state-of-the-art sensing and control capabilities tailored specifically for salt chlorine applications. Powerful and intuitive, these models offer the utmost in convenience in pH, ORP, conductivity/NaCl, backup sanitization and internet-based monitoring.

- **pH and ORP controller** with TDS/NaCl and temperature monitoring
- **Dual sanitizer set points** for back-up ORP control; temperature sensor for heater control
- **Auxiliary relays** for control versatility; 2 relays CAT 5500
- **Communicates wirelessly** to PoolComm®
- **Comes complete** with CAT Professional Series pH, ORP and conductivity sensors for unsurpassed performance
- **Perfect complement** to Saline C® Series Salt Chlorine Generators
- **5-year limited warranty** on controller; 2-year warranty on sensors
- **NSF/ANSI Standard 50 Certified**

CAT 5500 PROFESSIONAL PACKAGE

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CATPP5500WIFI	CAT 5500 Professional Package, Temp/TDS/NaCl - Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5500CELL	CAT 5500 Professional Package, Temp/TDS/NaCl - Cell Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CAT5500-WIFICA	CAT 5500 Professional Package with Derived PPM Readout of Chlorine, Temp/TDS/NaCl – Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0

TRY IT WITH

For plug-n-play simplicity salt water sanitation, the Saline C® series is the perfect complement to CAT Controllers®. Designed for use with automation, the Saline C systems deliver all the benefits of salt chlorination without the wasted space and extra cost of multiplexing several residential units. When these products are installed together, this complete sanitization system becomes an advanced automated water quality solution.

CAT 5000® AUTOMATED PH/ORP/ TEMPERATURE CONTROLLER WITH WIRELESS COMMUNICATIONS

CAT 5000 is an advanced wireless, internet-based water quality controller to provide North America coverage. This powerful system leverages affordable wireless technology and Internet-based monitoring to give you control like never before.

The CAT 5000 offers unprecedented product quality, value and ease of use. Simply install the factory-assembled CAT 5000 system and log onto PoolComm® to activate your wireless account and begin monitoring. Using your personal PoolComm account, you can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS.

CAT 5000 PROFESSIONAL PACKAGE

- **State-of-the-art microprocessor-based water quality controller** with integrated global communications.
- **Eliminates the cost** of installing and maintaining dedicated analog telephone lines.
- **With 2 different wireless communication protocols** ranging from Wi-Fi® to cellular, the CAT 5000 will communicate wirelessly, 24/7.
- **Monitor and maintain via web browser** from any internet-enabled computer, mobile device, or via PoolComm App for iPhone® or Android™.
- **5-year limited warranty** on controller; 2-year warranty on sensors.
- **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CATPP5000WIFI	CAT 5000 Professional Package with Temp. – Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5000CELL	CAT 5000 Professional Package with Temp. – Cellular model - includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5000CELLUL	CAT 5000 Professional Package** with Temp. – Cellular model and UL Listed – **No Power Cords Included**– 20 lbs.	1	20.0

CAT 4000® AUTOMATED PH/ORP CONTROLLER WITH WIRELESS COMMUNICATIONS

Using the CAT 4000 system, you can easily log onto PoolComm® to activate your wireless account and begin monitoring your water quality. Using your personal PoolComm account, you can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS.

5 YEAR WARRANTY

- **Wireless link to the PoolComm site** with extensive North American coverage and 24/7 monitoring.
- **Incredibly simple to install and operate** via simple menus and a bright alphanumeric display.
- **Compatible with** existing chemical feed equipment, so initial investment is minimized.
- **Comes complete with** CAT Professional Series pH and ORP sensors for unsurpassed performance.
- **Optional Wi-Fi® or Cellular communications protocol** provides users free PoolComm access.
- **5-year limited warranty** on controller; 2-year warranty on sensors.
- **NSF/ANSI Standard 50 Certified**

CAT 4000 PROFESSIONAL PACKAGE

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT-4000-WIFI	CAT 4000 Standard Package with Wi-Fi Transceiver Includes blow-molded flow vessel with float style magnetic flow switch	1	15.0
CATPP4000WIFI	CAT 4000 Professional Package with Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP4000WIFIAU (Salt Application)	CAT 4000 Professional Package with Gold-Tipped ORP Sensor For Salt Application, Wi-Fi Transceiver, Also Includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP4000CELL	CAT 4000 Professional Package with Cell Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0

PROFESSIONAL PACKAGE

STANDARD PACKAGE

CAT 2000® AUTOMATED PH/ORP CONTROLLER

Chemical automation is recognized by health officials and industry leaders as the safest, most effective method of maintaining precise, healthy water balance. The CAT 2000 constantly monitors pH and sanitizer activity (chlorine, bromine, even salt chlorine systems) and automatically implements chemical feeding in proportion to demand for picture-perfect water quality at all times.

5 YEAR WARRANTY

- **CAT Professional Series pH and ORP sensors** with a digital, microprocessor-based controller
- **Simple installation,** setup and operation.
- **Compatible with** all types of chemical feed equipment.
- **5-year limited warranty** on controller; 2-year warranty on sensors.
- **Factory-assembled system includes** controller, sensors, machined acrylic flow cell, rotary flow sensor and PVC backboard
- **NSF/ANSI Standard 50 Certified**

CAT 2000 PROFESSIONAL PACKAGE

STANDARD PACKAGE

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT2000	CAT 2000 Standard Package Includes blow-molded flow vessel with float style magnetic flow switch	1	15.0
CAT-PP2000	CAT 2000 Professional Package, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CAT-PP2000-AU (Salt Application)	CAT2000 Professional Package with Gold Tip ORP Sensor (Salt Application)	1	20.0

CAT 1000® AUTOMATED PH ONLY CONTROLLER

Most cases of red eyes and itchy skin after pool use are caused by poor pH maintenance. With the CAT 1000, pH levels in your pool are continuously monitored and adjusted automatically. Chlorine is also the most effective in keeping water safe when pH is optimally maintained. Maintaining proper pH protects the costly pool surface and equipment, extending service life while reducing repairs and warranty issues.

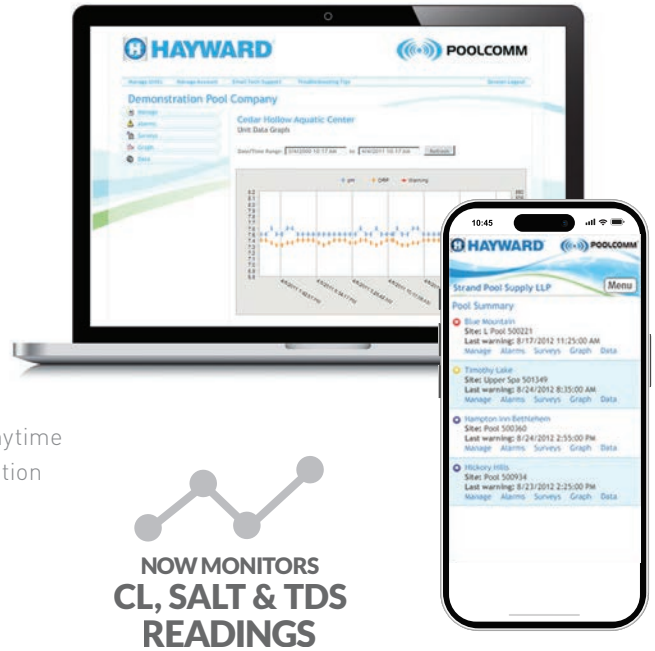
CAT 1000

- **CAT Professional Series pH sensor** with a digital, microprocessor-based controller
- **The perfect enhancement** for salt-chlorine systems
- **Long lasting, low-maintenance sensors**
- **Spend more time enjoying your pool** instead of making routine pH adjustments
- **5-year limited warranty** on controller; 2-year limited warranty on sensors
- **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT-1000-PH	CAT 1000 pH Controller Package	1	10.0

POOLCOMM® WIRELESS WEB-BASED MANAGEMENT

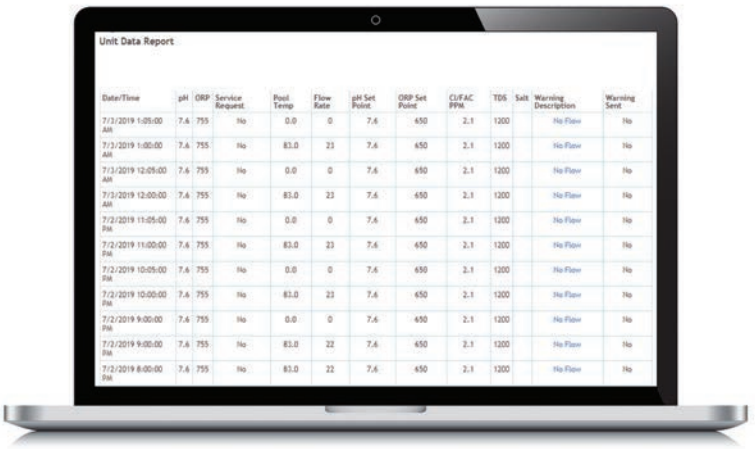
PoolComm is a revolutionary way to manage the water quality of multiple commercial pools and spas from a single remote location. This interface allows detailed monitoring and adjustment of pH, ORP, conductivity/NaCl, compliance documentation and more, all through the internet or PoolComm mobile app. Any computer, iPhone,® Android™ or web-enabled mobile device can manage a pool. The PoolComm App affords commercial pool servicers, operators and managers greater convenience and flexibility when monitoring water quality at their various facilities. The app is now available for FREE download on iPhone and Android.



- **Wi-Fi® communications option** allows free access to PoolComm anytime
- **Cellular communication** requires seasonal or annual paid subscription
- **Get direct control of systems** from any web browser
- **Monitor and display** multiple facilities simultaneously
- **Customize monitoring data** to display
- **Receive near real-time detection** of pH and ORP problems
- **Get color-coded alarm display,** with notification by email or SMS
- **Promote customer satisfaction** by proactively solving problems

NOW MONITORS
CL, SALT & TDS READINGS

HAYWARD.COM/POOLCOMMAPPTUTORIAL
Watch the PoolComm App Tutorial



REMOTE WATER QUALITY MANAGEMENT AT YOUR FINGERTIPS.

PoolComm®

Download FREE PoolComm App for iPhone or Android.

Available on the App Store

GET IT ON Google play

HCC 4000 WIRELESS WATER CHEMISTRY CONTROLLER

The HCC 4000 Series controllers offer affordable, wireless water chemistry control to ensure safe and comfortable pH/ORP levels. Featuring customizable chemical feed mixing, it's simple to set the length and frequency of feed times for more consistent pH and sanitization levels. HCC 4000 controllers are the only HCC Series controllers that are compatible with the Hayward® PoolComm® app—meaning remote access, monitoring and control of commercial pool water quality is possible from any web-enabled device.

NSF Certified to NSF/ANSI/CAN 50

3 YEAR WARRANTY

- **Wireless design** can transmit an infinite amount of chemical reading data to the Hayward PoolComm app
- **Comes completely assembled** for fast, easy installation
- **Includes sensors and an in-line strainer** for additional protection
- **Internally stores and displays** daily average chemical readings for up to 10 days
- **Calculates derived free chlorine** and displays PPM
- **1-year limited warranty** on wearables and sensors
- **NEW 3-year limited warranty** on controller
- **pH & ORP** Programmable Mixing Time Settings
- **NSF/ANSI Standard 50 Certified**

		CARTON	
PART NUMBERS	DESCRIPTION	QTY	WEIGHT
HCC4000WIFI	HCC 4000 Hayward Chemistry Controller — pH and ORP — with Wi-Fi with derived PPM Readout of Chlorine	1	15 lbs.
HCC4000WIFIAU (Salt Applications)	HCC 4000 Hayward Chemistry Controller—pH and ORP—with Wi-Fi and Gold ORP Sensor with derived PPM Readout of Chlorine	1	15 lbs.

HCC 2000 AUTOMATED PH/ORP CONTROLLER

The HCC 2000 Series are powerful yet affordable microprocessor-based pH/ORP controllers. The controllers feature proportional feed to ensure precise water chemistry and reduced maintenance. The HCC 2000 complete package is complemented by reliable chemical feed equipment, providing the ultimate one-stop-shop experience. This water chemistry controller package comes complete with flow cell, flow sensor and pre-mounted peristaltic feed pumps for pH and chlorine adjustment.

HCC2000-CP HCC2000

- **Advanced microprocessor-based design** technology.
- **Comes with chemical feed equipment** compatible with all existing chemical feed systems: chlorine, bromine, electronic chlorine (salt) generators, acid and CO^2
- **Simple-to-operate user interface** with easy-to-read LED display
- **Complete package offers** a total chemical automation system for easy installation and ultimate convenience
- **1-year limited warranty** on controller and sensors
- **NSF/ANSI Standard 50 Certified** (HCC2000 and HCC2000-AU models only)

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCC2000	HCC 2000 pH and ORP Water Chemistry Controller	1	11.0
HCC2000-AU (Salt Application)	HCC 2000 pH and ORP Controller with Gold ORP Sensor	1	11.0
HCC2000-CP	HCC 2000 pH and ORP Complete Package with Pre-mounted Chemical Feed Pumps	1	20.0

HCC 1000 AUTOMATED PH ONLY CONTROLLER

The HCC 1000 is a single channel pH water chemistry controller that provides powerful technology in a simple, affordable package. The controller ensures pH is precisely maintained to optimize chlorine effectiveness. The HCC 1000 features a pH sensor, water chemistry controller, flow cell and pressure sensor, all factory-assembled and pre-mounted on a durable PVC backboard. The complete package additionally includes a chemical feed pump mounted on the PVC backboard for ultimate convenience.

- **Perfect for new and existing applications,** especially saltwater pools
- **Proper pH maintenance** enhances chlorine effectiveness, bather comfort and safety
- **Factory engineered, pre-configured** to ensure simple professional installation
- **1-year limited warranty** on controller and sensors
- **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCC1000-PH	HCC 1000 pH Controller	1	10.0

COMMERCIAL CHEMICAL AUTOMATION ACCESSORIES

PART NUMBER	PROBES AND PROBE ACCESSORIES
PRO15-10	SENSOR-PH, 10' CABLE
PRO15-2	SENSOR-PH, 2' CABLE
PRO25-10	SENSOR-ORP, 10' CABLE
PRO25-2	SENSOR-ORP, 2' CABLE
PRO25-AU-10	SENSOR-GOLD, ORP, 10' CABLE - SALT WATER APPLICATIONS
PRO25-AU-2	SENSOR-GOLD, ORP, 2' CABLE - SALT WATER APPLICATIONS
PRO55-2	CONDUCTIVITY PROBE TDS/NACL- 2' CABLE - CAT 3500 & 5500
PRO65	SENSOR ASSEMBLY, TDS, CAT 6000
PRO75	SENSOR ASSEMBLY, CI, CAT 6000
PS001	PROBE, SAVER
CAX20270	PROBE SAVER KIT W/ BNC CABLE
AC0317	ADAPTOR, BNC SENSOR CONNECTOR
CO_2 CONTROL ACCESSORIES	
AC003	SYSTEM-RESIDENTIAL, CO_2, PH
AC004	SYSTEM-STANDARD OUTPUT, CO_2
AC005	SYSTEM-HIGH OUTPUT, CO_2
AC006	SWITCHOVER-AUTO, CO_2
SOLENOID VALVES (EROSION FEEDERS & AUTO-FILLS)	
AC015	VALVE-BRASS, 110 VAC, 3/4 IN
AC018	VALVE-STAINLESS, 110 VAC, 3/8IN
CHEMICAL FEED PUMPS (NO CHEM STORAGE VAT)	
AC025	PUMP-PERI, VARIABLE OUTPUT, 50 GPD, 120V Cord
AC030	PUMP-PERI, FIXED OUTPUT, 50 GPD, 120V Cord
AC035	PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD, 120V Cord
AC03590120	PUMP, PERI, FIX 31 GPD, HCC2000-CP Replacement Pump Only (No Plug, Hardwired)
CHEMICAL FEED PUMP & CHEMICAL TANK COMBO	
PTCRES	COMBO-15GAL TANK, PERIPUMP 45MP1 (SPAs)
PTC15	COMBO-15GAL TANK, PUMP-PERI, VARIABLE OUTPUT, 50 GPD
PTC30	COMBO-30GAL TANK, PUMP-PERI, VARIABLE OUTPUT, 50 GPD
AQL-CHEM4-ACID	PH DISPENSE,ACID FEED SYS, 120V, PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD
AQL-CHEM4-CHLOR	LIQUID CHLORINE DISPENSE, 120V, PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD
COMPLETE CONTROLLER SAMPLE VESSEL KITS	
AC063	PLASTIC MOLDED FLOWCELL COMPLETE KIT (STANDARD PACK & HCC CONTROLLERS)
AC065	PLASTIC MOLDED FLOWCELL COMP FOR CONDUCTIVITY SENSOR (STANDARD PACK, 3500 & 5500)
AC075	ACRYLIC FLOWCELL COMPLETE MACHINED, RFS (PROFESSIONAL PACKAGE)
AC080	ACRYLIC FLOWCELL COMP FOR CONDUCTIVITY SENSOR (PROFESSIONAL PACK, 3500 & 5500)
AC090	FLOW CELL-ASSEMBLD LESS SENSOR - CAT 6000

PART NUMBER	PROBES AND PROBE ACCESSORIES
TEMPERATURE SENSOR	
AC316	TEMPERATURE SENSOR, CAT 5000
AC320	CBL, 15FT TEMP. SENSOR EXTENSION
AC325	CBL, 30FT TEMP.SENSOR EXTENSION
FLOW SENSOR	
DF010	METER-FLOW,DIGITAL
DF015	CABLE-EXT, DIG FLOW METER, 15FT
DFE25	CABLE-EXT, DIG FLOW METER, 25FT
DF030	CABLE-EXT, DIG FLOW METER, 50FT
DFE50	CABLE-EXT, DIG FLOW METER, 30FT
DIGITAL LEVEL SENSOR (WATER & CHEMICAL LEVELS)	
LS010	SENSOR-OPTICAL, LEVEL
LS020	KIT-LS010,TOP MOUNT
LSE25	CABLE-EXT, OPT FLOW SENSOR 25FT
LSE50	CABLE-EXT, OPT FLOW SENSOR 50FT
COMMUNICATION ACCESSORIES	
RA030W	ANTENNA, WIFI, REM, 2.5GH W/10FT CABLE
RA035C	ANTENNA, CELL, REM, PENTA W/10FT CABLE
RFK-C4000-CELL	CELL TRANSCVR RETROFIT-KIT W/NEW FW FOR CAT4000

PTC15

BACKUP SANITIZER RELAY BOX

AC006 – AUTO-SWITCHOVER

The Hayward Commercial CO_2 Auto-Switchover System detects a low supply of CO_2 gas and automatically switches to the reserve cylinder. Entirely mechanical in design the unit provides a visual "cylinder in use" indicator and twin pressure gauges.

The Auto Switchover works with the CAT CO_2 pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO_2 forms carbonic acid (H_2CO_2), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the Auto-Switchover with the CO_2 pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.

- Doubles the tank changeover interval
- Twin tank pressure gauges
- Visual "tank in use" indicator
- Compatible with all Hayward Commercial® CO_2 pH control systems CO_2

AC004 – STANDARD OUTPOT CO_2 SYSTEM

The CAT CO_2 pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO_2 forms carbonic acid (H_2CO_2), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

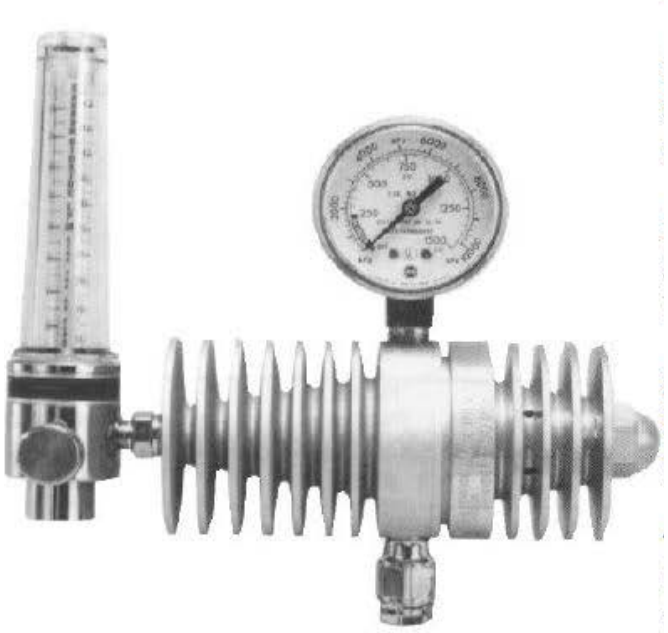
Simple to install and operate, the CO_2 pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.

- Integrated pressure regulator and flow meter
- Adjustable flow control, 0-38 SCFH
- Pre-wired stainless steel solenoid valve
- High pressure flexible tubing, speedfit connectors and PVC check valve included
- Compatible with all CAT Controllers
- Manufactured in the USA

AC005 – HIGH OUTPUT CO_2 SYSTEM

The CAT CO_2 pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO_2 forms carbonic acid (H_2CO_2), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the CO_2 pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.



- Integrated pressure regulator and flow meter
- Adjustable flow control, 0 - 100 SCFH
- Pre-wired stainless steel solenoid valve
- High pressure flexible tubing, speedfit connectors and PVC check valve included
- Compatible with all CAT Controllers
- Manufactured in the USA

	AC004 - STANDARD SIZED REGULATOR	AC005 - HIGH CAPACITY REGULATOR
Regulator	Single Stage - Max Inlet 1500 psi Factory preset 80 psi outlet	Single Stage - Max Inlet 1500 psi. Factory preset 80 psi outlet
Flowmeter	Adjustable 0-38 SCFH Without freeze-up	Adjustable 0 - 100 SCFH Without freeze-up
Solenoid Valve	Stainless steel, l/8 1' FPT 750 psi rating	Stainless steel, 1/8" FPT 750 psi rating
Tubing and Connectors	Polyethylene 3/8" OD, 1/4" ID Working pressure 125 psi	Polyethylene 3/8" OD, 1/4" ID Working pressure 125 psi
Injector	PVC Check Valve Buna-N seals 1 psi cracking pressure	PVC Check Valve Buna-N sea Is 1 psi cracking pressure

Commercial Sanitization

With our sanitization solutions, commercial pools and spas benefit from the clearest, safest water possible. Our Saline C® Series salt chlorine generators meet commercial demands while delivering the same natural comforts of salt chlorination so common in the residential market. Plus, you can pair our salt chlorinators and secondary disinfection systems with CAT Controllers® for a completely automated sanitization solution.

HYDRORITE® UV COMMERCIAL ULTRAVIOLET SECONDARY AND SUPPLEMENTAL SYSTEMS

Experience safer, softer water with advanced Dual-Wavelength UV (185nm & 254nm) technology that targets chlorine-resistant microorganisms and reduces skin-irritating chloramines by up to 50%. Designed for efficiency, the system features low-pressure lamps and a 120V input to conserve energy without reducing chlorine performance. This reduces operational costs and extends salt cell life by minimizing chlorine demand.

Its compact, lightweight, single-vessel design allows for flexible in-line installation—whether vertical or horizontal—making setup quick and hassle-free. The unit's clean, intuitive interface ensures ease of use at a glance, even for first-time operators. Built for long-term savings and reliable performance, this system simplifies sanitation while delivering clear results. Perfect for operators looking to maximize water quality, efficiency and user convenience—all in one solution.

LOW-RISK INVESTMENT FOR HIGH-RISK ENVIRONMENTS.

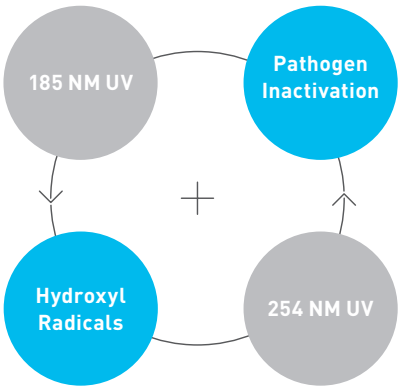
- **Supplemental and/or secondary disinfection** as recommended by the CDC Model Aquatic Health Code (MAHC)
- **Reduces irritating chloramines 50% or more,** improving indoor air quality and swimmer comfort
- **Reduces chemical demand 50% or more,** lowering operating costs and extending salt cell life
- **Low-pressure UV bulbs** provide sterilization and oxidation with little or no impact on chlorine level
- **Lightweight construction** uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance
- **Intuitive, plug-and-play design** is easy to navigate and conserves energy with 120V power input
- **Extended lamp life** rated for 13,000 hours, more than double the time for comparable medium-pressure systems

STAY ON THE SAFEST SIDE OF SANITIZATION

High bather loads create higher bacteria levels—most left untreated by chlorine alone. As a proactive measure, the U.S. Centers for Disease Control has created the MAHC, which highly recommends the use of UV as a supplemental disinfectant treatment in every commercial pool. Hayward's HydroRite UV ensures that commercial facilities stay on the cutting-edge of swimmer safety by using 3-log reduction—a standard set by the EPA—to reduce RWIs caused by Cryptosporidium and other harmful chlorine-resistant microorganisms.

INSIDE THE VESSEL—BEHIND THE SCENES.

1. Dual-wavelength amalgam lamps produce germicidal UV.
2. The treated water is exposed to **ultraviolet rays** that inactivate algae, bacteria and viruses.
3. The germicidal UV creates hydroxyl free radicals (which have more oxidation potential than ozone) in a process known as **Advanced Oxidation Process** (AOP).



NSF-50 CERTIFIED MODELS FOR SUPPLEMENTAL DISINFECTION		CRYPTO CERTIFIED MODELS FOR SECONDARY DISINFECTION	
PART NUMBER	MAX FLOW RATE (GPM)	PART NUMBER	MAX FLOW RATE (GPM)
HYR75	Up to 61	HYR75L4	Up to 58
HYR150	Up to 150	HYR150L4	Up to 126
HYR400	Up to 350	HYR400L4	Up to 333

Head loss curves for each model/chamber size are available in the user manual for design reference.

Kills Cryptosporidium* using dual-wavelength UV (185/254 nm) to produce hydroxyl radicals.

Supplemental and/or secondary disinfection, as recommended by the CDC Model Aquatic Health Code (MAHC).

Reduces irritating chloramines significantly, improving indoor air quality and swimmer comfort.

Low-pressure UV bulbs provide sterilization and oxidation with little or no impact on chlorine level.

Simple plug-and-play design is easy to navigate and conserves energy with 120V power input.

Lightweight construction uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance.

Extended lamp life rated for 13,000 hours, more than double the time for comparable medium-pressure systems.

TECHNICAL SPECIFICATIONS - NSF 50 LISTED SECONDARY MODELS

PART NUMBER	HYR75L4	HYR150L4	HYR400L4
Sanitization	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	21" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" PVC T-Fitting With Embedded Flow Switch	1/2" NPT Threaded Flow Switch (No PVC Fitting Incld.)	1/2" NPT Threaded Flow Switch (No PVC Fitting Incld.)
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40˚F to 104˚F	40˚F to 104˚F	40˚F to 104˚F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 58 GPM	Up to 126 GPM	Up to 333 GPM
Installation Environment	Indoor use	Indoor use	Indoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months
Display	Touch menu driven with m^2 or mW/cm^2 UV intensity	Touch menu driven with m^2 or mW/cm^2 UV intensity	Touch menu driven with m^2 or mW/cm^2 UV intensity
Operating Measurements	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature
Auxiliary Relay	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM

*Excluding lamps, quartz sleeves and stainless steel insert

TECHNICAL SPECIFICATIONS - NSF 50 LISTED SUPPLEMENTAL MODELS

PART NUMBER	HYR75	HYR150	HYR400
Sanitization	>3-log removal of E. faecium and P. aeruginosa bacteria	>3-log removal of E. faecium and P. aeruginosa bacteria	>3-log removal of E. faecium and P. aeruginosa bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	17" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" PVC T-Fitting With Embedded Flow Switch	1/2" NPT Threaded Flow Switch (No PVC Fitting Incld.)	1/2" NPT Threaded Flow Switch (No PVC Fitting Incld.)
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40˚F to 104˚F	40˚F to 104˚F	40˚F to 104˚F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 61 GPM	Up to 150 GPM	Up to 350 GPM
Installation Environment	Indoor/outdoor use (UV sensor needs to be out of direct sunlight)	Indoor/outdoor use (UV sensor needs to be out of direct sunlight)	Indoor/outdoor use (UV sensor needs to be out of direct sunlight)
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months

COMMERCIAL SALT CHLORINE GENERATORS

Offering affordable Saline models ranging from the 2.0 model up to the 11.0 model, capable of generating 11 pounds of chlorine per day. The new Saline 2.0 model can generate 2.2 pounds of chlorine per day and has the flexibility to upgrade to the Saline C 6.0 by simply switching the cell stack. The Saline C systems deliver all the benefits of salt chlorination without the wasted space and extra cost of multiplexing several residential units.

SALINE C 11.0

SALINE C® SERIES

- **High-output compact single cell and single power supply options** provide the perfect solution for virtually any pool or regulatory requirement.
- **Compact design** with single electrolytic cell
- **110V plug-in** efficient switch mode power supply
- **Industrial-grade, clear vessel** for easy inspection
- **Plug N' Play** chemical automation
- **Reduce chloramines** and associated odors/corrosion
- **Simple, low-cost installation** vs. multi-cell alternatives
- **NSF Certified/ANSI Standard 50 Certified**
- **2-year limited warranty**
- **24 hour production** up to 5 lbs for Saline 6, 10lbs for Saline 11* and 2.2 lbs for Saline 2.0

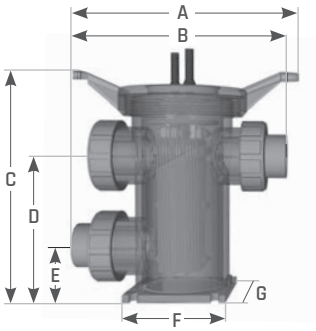
SALINE C 6.0

SALINE C 2.0

NSF Certified to NSF/ANSI/CAN 50 | ETL LISTED c US | CSA CERTIFIED | 2 YEAR WARRANTY

POWER SUPPLY DIMENSIONS

	SALINE C 2.0 & 6.0	SALINE C 11.0
A	12.75"	12.75"
B	8.25"	8.25"
C	5.625"	11.125"



VESSEL DIMENSIONS

	SALINE C 2.0 & 6.0	SALINE C 11.0
A	13.5"	16.06"
B	12.875"	15.56"
C	15.75"	22.42
D	9.5"	14.83"
E	3.25"	4.83"
F	6"	6"
G	6"	6"

TRY IT WITH

For total efficiency and maximum control, **HydroRite® UV** is the perfect complement to **Saline C Series** salt chlorine generators and our **pH/ORP CAT Controllers®**,like the new **CAT 5500®**. When these products are installed together, this complete sanitization system becomes an advanced automated water quality solution. Connect with **PoolComm®** to enjoy effortless remote monitoring (now including conductivity/NaCl) and audit tracking.

*Per NSF listing.

SALINE C® SERIES TECHNICAL SPECIFICATIONS

PART NUMBER	HCSC20 & HCSC60		HCSC110
Power Supply Dimensions	12.75" W x 8.25" H x 5.625" D		12.75" W x 8.25" H x 11.125" D
Vessel Dimensions	13.5" W x 15.75" H x 6" D		16.06" W x 22.42" H x 9.28" D
Certifications	UL1081, CSA C22, NSF/ANSI 50		UL1081, CSA C22, NSF/ANSI 50
LCD Display	Output adjustable 0 - 100%		(2) Output adjustable 0 - 100%
Flow Sensor	2" Magnetic with embedded reed switch with 2" Sch. 40 PVC T-Fitting		4" Magnetic with embedded reed switch. Note: 1/2" NPT Tap & 27/32" Drill Bit required for installation
Power Input (Power Supply)	USA: 3.5 amps, 120V/60Hz†, Single Phase	USA: 5.0 amps, 120V/60Hz†, Single Phase	USA: 10.0 amps, 120V/60Hz, Single Phase
ORP Input	Cord with male pigtail connected (supplied blue cord) 0.25 Amps		Cord with male pigtail connected (supplied blue cord) 0.25 Amps
Vessel Rated Pressure	50 psi		50 psi
Housing Inlet/Outlet	2" Union inlet/outlet		4" Union inlet/outlet
Reaction Chamber Style	Clear plastic		Clear plastic
Flow Required	40 GPM through cell to achieve rated production		80 GPM through cell to achieve rated production
Maximum Flow Rate	125 GPM		250 GPM
Salt Operating Range	3,500 ppm salt - Minimum Temp. - 78° F 5,000 ppm salt - Minimum Temp. - 60° F		3,500ppm salt - Minimum Temp. - 78 Degrees F 5,000ppm salt - Minimum Temp. - 60 Degrees F
Electrode Stack	Reverse polarity 4mm plate gap		Reverse polarity 4mm plate gap
Rated Production Capacity	1.8 lbs.@ 3,500 ppm 2.2 lbs.@ 5,000 ppm	5.0 lbs.@ 3,500 ppm 6.0 lbs.@ 5,000 ppm*	10.0 lbs.@ 3,500 ppm 11.0 lbs.@ 5,000 ppm**
Rated Cell Life Hours	10,000hrs		10,000hrs
Safety System	5 GPM low flow shutoff Low salt indicator Low salt shutoff (2,500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection		5 GPM low flow shutoff Low salt indicator Low salt shutoff (2500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection
Warranty	2-year parts only warranty (Power Supply, Flow Switch and Vessel) 18-month parts only warranty on salt cell stack		2-year parts only warranty (Power Supply, Flow Switch and Vessel) 18-month parts only warranty on salt cell stack

ACCESSORIES

PART NUMBER	DESCRIPTION	CARTON QTY.	CARTON WEIGHT
HCSBP3-KIT	3" Commercial Salt Chlorine Generator – Bypass Kit	1	16 lbs.
HCSBP4-KIT	4" Commercial Salt Chlorine Generator – Bypass Kit	1	19 lbs.
HCSJBOX-BU	Junction Box for Sanitizer Back-up	1	3 lbs.
HCSCECK15	15' Cell to Power Supply – Extension Cable Kit	1	5 lbs.
HCSCECFS15	15' Flow Sensor to Power Supply – Extension Cable Kit	1	5 lbs.

BYPASS KIT

JUNCTION BOX

*NSF Certified for 5 lbs. per day only at 3500 ppm.
**NSF Certified for 10 lbs. per day only at 3500 ppm.
†If the system is operating as a standalone, it requires two 120V outlets. If the system is integrated with automation, only one 120V outlet is needed. 15 amp GFCI Breaker Requirement for all models. Head loss curves for each model/vessel size type are available in the user manual for design reference.

Commercial Cleaners

Hayward® Commercial Aquatics offers commercial cleaners ideal for the Class B/HMAC recreational water market. Our TigerShark™ 2 is designed for durability and backed by a nationwide network of factory-authorized service centers.

TIGERSHARK 2 WITH CADDY CART

- **On-board computer** calculates pool size and most efficient cleaning pattern
- **Preset 7-hour clean cycle** automatically turns off when done
- **Powerful on-board pumps** vacuum dirt and debris
- **Scours pool bottom, walls, inclines and steps** for a complete clean
- **Patented easy-clean removable cartridge** can be rinsed with a garden hose

2 YEAR WARRANTY

SPECIFICATION

PART NUMBER	RC9956GRCC
Cord Length	100'
Recommended Pool Size	Up to 30' x 60'
Voltage	120V / 60Hz
Gallons Circulated	4500 GPH
Dimensions (H x W x L)	11" x 16" x 16"
Filter Micron Porosity/Area	5 micron / 1000 in.^{2}
Caddy Cart	Included
Motor System	Non-oil filled, microprocessor
Carton Quantity	1
Cleaning Speed	55 ft^2/minute
Carton Weight	44.0 lbs
Dual-Mode Cleaning Cycles	7-hour bottom, wall, and waterline
Recurring Cleaning Cycle	Not Available
Sensors	N/A
Warranty	2-year limited warranty

Parts Section on page 282.

CADDY CART

AMBIANCE AND COMFORT

THE MOST EFFICIENT WAYS TO SET THE MOOD AND EXTEND THE POOL SEASON.

The best commercial pools are the ultimate haven for your customers and guests. From lighting to heating, Hayward® turns an everyday swim into an unforgettable experience. Our industry-leading heaters excel in long-lasting performance and unmatched energy efficiency, while our lighting options change the game completely. Whether you're looking for vibrant color-saturated light shows or the brightest-in-the-industry white LED lighting, Hayward saves you up to 86% on energy costs—without sacrificing an ounce of brilliance. You provide the swimmers, we'll provide the memories. It's the Hayward way.

Commercial Lighting

Hayward Commercial Aquatics gives you brilliant, versatile lighting options for both new construction and remodels to transform any body of water. First to be UL Listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic® white LED and Universal ColorLogic® lighting are designed with industry-leading technology to cut operation costs and deliver unparalleled performance. CrystaLogic and ColorLogic 320 accent lights provide total coordination of all water environments by putting smaller pool and spa features in the spotlight.

LIGHTING MADE EASY. THE NEXT EVOLUTION OF LIGHTING.

Universal Crystalogic 2.0 (UCL 2.0) White LED Pool and Spa Lights deliver bright, longer-lasting LED lighting for commercial pools and spas. They represent breakthrough technology for the illumination for any feature or body of water. First to be UL Listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic® White LED Lighting is designed to drastically reduce operation costs and deliver unparalleled performance.

c UL us | 3 YEAR WARRANTY

- **Detachable cord** ensures easy installation and service for the stainless steel, white, gray and legacy white trim options.
- **Targeted light distribution** prevents glare from above while also enhancing the distance of the light, creating a uniformly illuminated environment.
- **Totally encapsulated electronics** for next-level durability that ensures your light can withstand even the harshest conditions, making it ideal for any environment.
- **Industry-first adjustable lower catch** simplifies installation with the ability to overcome variations in plaster thickness.

DETACHABLE CORD

Detachable cord for ease of installation and service*

AVAILABLE & INCLUDED WITH: MODERN WHITE, LEGACY WHITE, LEGACY GRAY AND STAINLESS STEEL TRIM

PART NUMBER	POOL OR SPA	CCT	WATTAGE	WATTAGE EQUIVALENCE	CORD LENGTH (FT.)	PEAK LUMENS	VOLTAGE	CTN. WEIGHT (LBS.)
LPWUS22030	Pools	6500K / CW	54	500	30	4900	12-15V	8.60
LPWUS22050	Pools	6500K / CW	54	500	50	4900	12-15V	10.10
LPWUS22100	Pools	6500K / CW	54	500	100	4900	12-15V	13.90
LPWUS22150	Pools	6500K / CW	54	500	150	4900	12-15V	23.50
LPLUS22030	Pools	6500K / CW	37	300	30	3300	12-15V	8.60
LPLUS22050	Pools	6500K / CW	37	300	50	3300	12-15V	10.10
LPLUS22100	Pools	6500K / CW	37	300	100	3300	12-15V	13.90
LPLUS22150	Pools	6500K / CW	37	300	150	3300	12-15V	23.50
LSLUS22030	Spas	6500K / CW	35	100	30	1100	12-15V	7.00
LSLUS22050	Spas	6500K / CW	35	100	50	1100	12-15V	8.00
LSLUS22100	Spas	6500K /CW	35	100	100	1100	12-15V	11.00
LSLUS22150	Spas	6500K / CW	35	100	150	1100	12-15V	28.00

*Available on pool lights only.
Please note: The Universal CrystaLogic lights have a 6500K rating (a cooler, crisper white tone) while the 320 lights have a 4000K rating (a warmer white appearance)

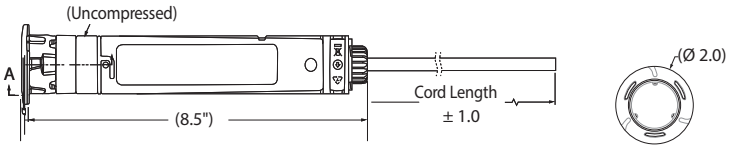
CRYSTALOGIC® 320 WHITE LED LIGHTS

CrystaLogic 320 lights provide an elegant solution for commercial swimming pool and spa lighting. They can also illuminate smaller features or landscapes, bringing brilliance to areas that are difficult to reach with traditional lighting. The easiest 1.5-inch lights to install, at just 4 inches below waterline and in as little as 8 inches of PVC conduit, our 320 lights are ideal for steps, water features, jets, bubblers, baja shelves, fountains, spray/splash pads, landscape features and more.

c UL us | 3 YEAR WARRANTY

- **Allow for total coordination** of all water environments.
- **Easiest 1.5-inch lights to install** at just 4 inches below waterline in any depth of water and in as little as 9 inches of PVC conduit.
- **Ideal for commercial pool/spa lighting** or lighting steps, water features, baja shelves, bubblers, spray/splash pads and more.
- **Can be installed** in dry/landscape applications.
- **Last 10 times longer** than incandescent lights.
- **Vinyl, fiberglass, and concrete** low-profile installations.
- **UL Listed** for safe floor or wall installation.
- **3-year limited warranty**

OVERALL DIMENSIONS

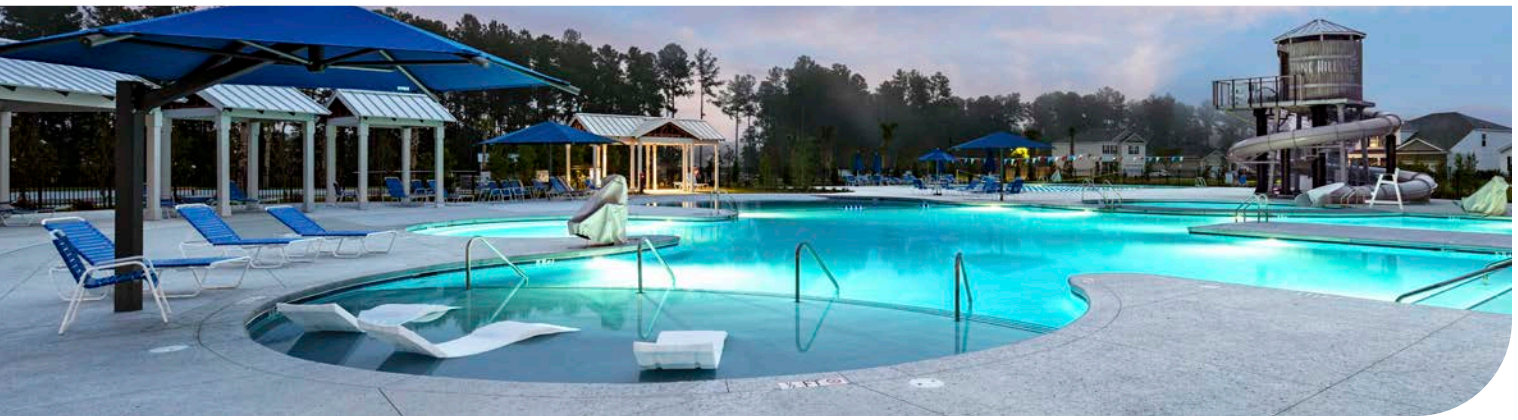


Requires 9" of 1.5" PVC Conduit.

SPECIFICATIONS

STANDARD SWITCHED LIGHTS		EQUIVALENT BRIGHTNESS	KELVIN	WATTS (150')	AMPS (150')	VOLTAGE RANGE	LUMENS	CORD LENGTH (FT.)
LAWUS11030	High Lumen CrystaLogic 320 12V Lights	100W	4000K	30	2.1	12-15	1100	30
LAWUS11050								50
LAWUS11100								100
LAWUS11150								150

Please note: The 320 lights have a 4000K rating (a warmer white appearance), while the Universal CrystaLogic lights have a 6500K rating (a cooler, crisper white tone.



ACCESSORIES FOR UNIVERSAL CRYSTALOGIC® AND COLORLOGIC® POOL AND SPA SIZE LIGHTS & COLORLOGIC® 320 AND COLORLOGIC® 80 ACCENT LIGHTS

J-BOX TRANSFORMER RETROFIT KIT

PART NUMBER	KITS	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LRBUY11P65	Pentair®	70W
LRBUY11T65	Thermocraft®	70W

HAYWARD PENTAIR THERMOCRAFT INTERMATIC

UCL CONCRETE NICHES

PART NUMBER	POOL/SPA	POOL TYPE	APPROVED LIGHTS	DESCRIPTION
LFGUY1000	Pool	Gunite/Concrete	Universal ColorLogic and CrystalLogic	Non-Bonded, Non-Grounded Low Profile Plastic Pool Niche for Concrete Pools
LFVUY1000	Pool	Vinyl/Fiberglass	Universal ColorLogic and CrystalLogic	Non-Bonded, Non-Grounded Low Profile Plastic Pool Niche for Vinyl and Fiberglass
LGGUY1000	Spa	Gunite/Concrete	Universal ColorLogic and CrystalLogic	Non-Bonded, Non-Grounded Plastic Spa Niche for Concrete Pools
SP0608U	Spa	Vinyl/Fiberglass	Universal ColorLogic and CrystalLogic	DuraNiche Plastic Spa Niche for Vinyl and Fiberglass

J-BOX & WALL-MOUNT POOL LIGHTING TRANSFORMERS

PART NUMBER	TRANSFORMER	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LTBUY11300	Hayward	300W
25036	J&J Electronics	100W
25037	J&J Electronics	300W

ACCESSORIES FOR LIGHT CONTROL

PART NUMBER	DESCRIPTION
HLOMNIHUB	OmniHub App Based Smart Pool and Spa Control
LKCUS1100	ColorLogic Light Controller Stand-Alone

UCL 2.0 REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	QTY.
GLXLPCLAMP	500W Color Lamp Box Kit	1
GLXLPLLAMP	300W White Lamp Box Kit	1
GLXLPWLAMP	500W White Lamp Box Kit	1
GLXLPPLTR	Pool Trim Ring Bag Kit (4 Pack)	1
GLXLPMOUNT	Mounting Flange Bag Kit	1
SPX0800Z1	Metal Screw Kit	1
LQ(x)UY1000	Spa Trim Rings	1
SPX0800Z1	Metal Screw Kit	1
GLXLPCORD100	100 ft. Light Cord	1
GLXLPCORD150	150 ft. Light Cord	1

HAYWARD.COM/NICHECALCULATOR

Calculate per-niche savings when using a UCL Thin Niche

Lighting Overview & Transformer Sizing Guide

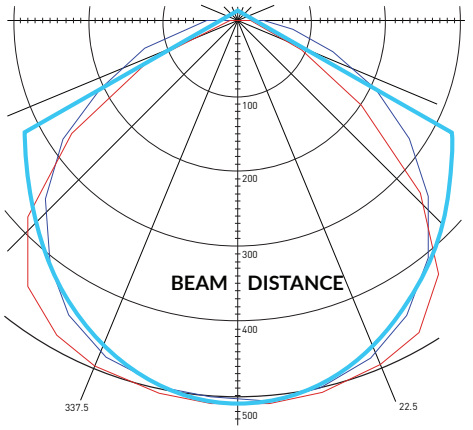
MINIMUM ILLUMINANCE

» Depending on the local health code, incandescent lights were historically required to provide 0.5 or 1 watt per square foot of pool surface area
» Today, most health departments and the Model Aquatic Health Code suggest 8-9 lumens per square foot
» This value only applies to lights using a white wavelength

LIGHTING PLACEMENT

» Beam pattern: The angular spread of light emitted from the fixture
» The beam pattern is measured between points on opposite sides of the beam axis where the intensity drops to 50% of maximum power
» X-axis: Horizontal spread
» Y-axis: Vertical spread

BEAM ANGLE



CALCULATE NUMBER OF LIGHTS NEEDED

$$\text{Number of Lights} = \frac{\text{Pool Surface Area x 8.35 Lumens}}{\text{Lumen Output of Light}}$$

LIGHTING TRANSFORMER SIZING DATA (PER 150' CORD)

PART NUMBER	PRODUCT	WATTS	MAX LIGHTS PER 70W J-BOX TRANSFORMER	MAX LIGHTS PER 100W TRANSFORMER	MAX LIGHTS PER 140W TRANSFORMER	MAX LIGHTS PER 300W TRANSFORMER (USE 14V)	AMPS
LMCUS	ColorLogic 80 (Set of 5)	9.25	6	8	8	25	0.66 (100')
LPWUS	UCL 2.0 500W	70	0	1	1	3	5
LPLUS	UCL 2.0 300W	46	1	1	1	5	3.5
LSLUS	UCL 2.0 100W	26	2	3	3	9	1.9
LAWUS	CrystalLogic 320	30	1	2	2	8	2.1

Note: A 300 WATTS transformer can support 25 sets of 5, for a total of 125 lights.

TRY IT WITH

For added efficiency and control, **OmniHub® Smart Pool & Spa Control** is the perfect complement to **Hayward® lighting and water features.*** OmniHub installs in just a few hours and is compatible with existing equipment, providing commercial pool operators with a simple way to change lighting colors, set themes, control water features and more—right from a smartphone.

*OmniHub is only compatible with select commercial pools.

J&J PureWhite Pool & Spa Fixtures & Lamps

THE STANDARD IN WHITE LED LIGHTING

J&J Electronics™ PureWhite® Pool & Spa Lamps and Fixtures have grown to become industry-leading, trusted brands in the commercial pool marketplace nationwide. PureWhite® LED light fixtures and lamps offer unmatched brightness and energy efficiency for pool and spa lighting. Utilizing high performance Cool White LEDs, the appearance of pool water is improved by producing brilliant, natural looking light; making PureWhite® fixtures and lamps the perfect choice.

PureWhite Fixture Advantages:

- 100W-500W standard incandescent equivalent
- Zero Pixelation Lens
- Heavy Duty 316 Stainless Steel construction

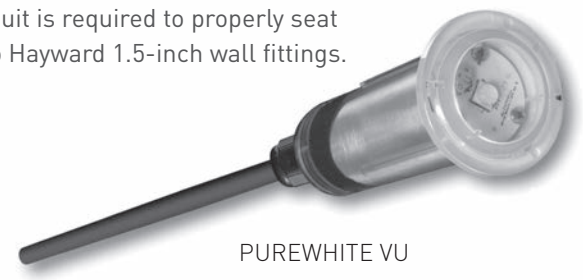
PureWhite Lamp Advantages:

- Reduces energy consumption up to 90%
- Cool white light enhances pool water appearance
- Compatible with most manufacturers' fixtures

The J&J Electronics VU 1.5 nicheless pool and spa fixtures are also available as part of the PureWhite® fixture series. These versatile fixtures easily retrofit into most 1.5" wall fittings. A minimum of 6 inches of 1.5-inch PVC pipe or conduit is required to properly seat the light. The light must thread into Hayward 1.5-inch wall fittings.

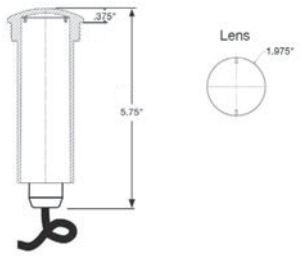
Features

- Easy installation; fits in most manufacturers 1 1/2" wall fittings
- 4" minimum water depth



PUREWHITE VU

OVERALL DIMENSIONS (INCHES)



PUREWHITE VU BUYING GUIDE

PART NUMBER	POOL OR SPA	CCT	WATTAGE	WATTAGE EQUIVALENCE	CORD LENGTH	PEAK LUMENS	VOLTAGE	CTN. WEIGHT (LBS.)
25050	Pools and Spas	6500K / CW	12.3	40	50 ft	700	12V	3.50
25051	Pools and Spas	6500K / CW	12.3	40	100 ft	700	12V	6.00
25052	Pools and Spas	6500K / CW	12.3	40	150 ft	700	12V	9.50

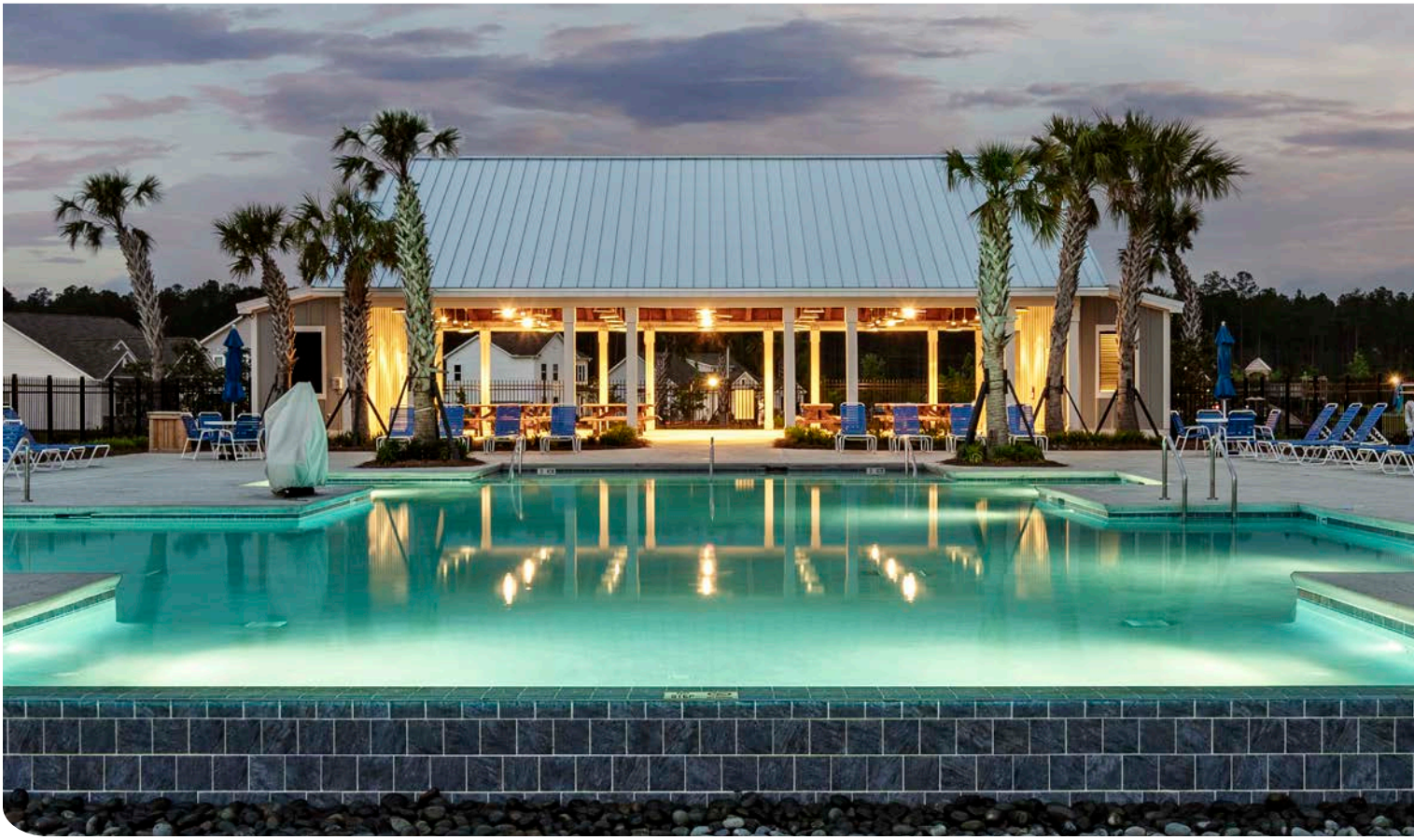
INLET FITTING THREADING COMPATIBILITY

PART NUMBER	DESCRIPTION
SP1022	1.5" FIP (female threaded) x 1.5" threaded return fitting for gunite pools
SP1022S	1.5" FIP (female threaded) x 1.5" Socket return fitting for gunite pools
SP1023*	1.5" FIP (female threaded) x 1.5" threaded return fitting for vinyl liner pools with faceplate and gasket
SP1023S*	1.5" FIP (female threaded) x 1.5" Socket return fitting for vinyl liner pools with faceplate and gasket
SP1408S2*	1.5" FIP return fitting with longer collar and large flange for fiberglass

*Available in Gray, Dark Gray, and Black. Add the following suffixes to the part number when ordering: GR for Gray, DGR for Dark Gray, and BLK for Black.

PUREWHITE LED POOL LIGHTS BUYING GUIDE

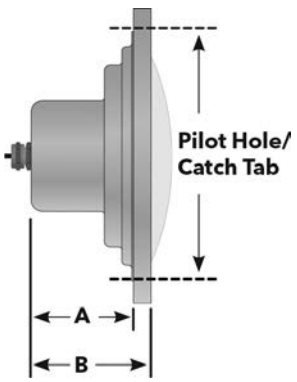
MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
21000	LPL-F5W-120-200-P	4500	120	6500K	200 feet	1	25
21069	LPL-F5W-120-150-P	4500	120	6500K	150 feet	1	22.5
21081	LPL-F5W-120-100-P	4500	120	6500K	100 feet	1	20
21071	LPL-F5W-120-50-P	4500	120	6500K	50 feet	1	13
21025	LPL-F5W-12-100-P	4500	12	6500K	100 feet	1	22
21149	LPL-F5W-120-100-P27	4150	120	2700K	100 feet	1	20
21169	LPL-F5W-12-100-P27	4150	12	2700K	100 feet	1	22
24273	LPL-F3W-120-300-P	3900	120	6500K	300 feet	1	28
21077	LPL-F3W-120-200-P	3900	120	6500K	200 feet	1	25
21076	LPL-F3W-120-150-P	3900	120	6500K	150 feet	1	22.5
21075	LPL-F3W-120-100-P	3900	120	6500K	100 feet	1	18
21079	LPL-F3W-120-50-P	3900	120	6500K	50 feet	1	13.5
21024	LPL-F3W-12-100-P	3900	12	6500K	100 feet	1	20
21120	LPL-F3W-12-150-P	3900	12	6500K	150 feet	1	26.6
21074	LPL-F3W-12-50-P	3900	12	6500K	50 feet	1	13
21043	LPL-F3W-120-100-P27	2991	120	2700K	100 feet	1	18
21023	LPL-F3W-12-100-P27	2991	12	2700K	100 feet	1	22
21130	LPL-F1W-120-100-P27	1840	120	2700K	100 feet	1	18
21158	LPL-F1W-12-100-P27	1840	12	2700K	100 feet	1	19



SWIMQUIP NICHE COMPATIBLE PUREWHITE® LED POOL LIGHTS

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
21219	LPL-F5W-120-300-PSQ	4500	120	6500K	300 feet	1	28
21154	LPL-F5W-120-200-PSQ	4500	120	6500K	200 feet	1	25
21086	LPL-F5W-120-150-PSQ	4500	120	6500K	150 feet	1	22.5
21084	LPL-F5W-120-100-PSQ	4500	120	6500K	100 feet	1	20
21083	LPL-F5W-120-50-PSQ	4500	120	6500K	50 feet	1	14
21127	LPL-F5W-120-30-PSQ	4500	120	6500K	30 feet	1	10.5
21143	LPL-F5W-12-50-PSQ	4500	12	6500K	50 feet	1	15
21021	LPL-F5W-12-100-PSQ	4500	12	6500K	100 feet	1	22
21012	LPL-F5W-12-30-PSQ	4500	12	6500K	30 feet	1	15
21159	LPL-F5W-12-150-PSQ	4150	12	2700K	150 feet	1	26.6
21156	LPL-F3W-120-300-PSQ	3900	120	6500K	300 feet	1	28
21082	LPL-F3W-120-200-PSQ	3900	120	6500K	200 feet	1	28
21121	LPL-F3W-120-30-PSQ	3900	120	6500K	30 feet	1	10.5
21014	LPL-F3W-12-150-PSQ	3900	12	6500K	150 feet	1	26.6
21126	LPL-F3W-12-30-PSQ	3900	12	6500K	30 feet	1	15
21197	LPL-F1W-120-300-PSQ	2400	120	6500K	300 feet	1	28
21196	LPL-F1W-120-200-PSQ	2400	120	6500K	200 feet	1	25
21015	LPL-F1W-120-150-PSQ	2400	120	6500K	150 feet	1	22.5
21064	LPL-F1W-120-50-PSQ	2400	120	6500K	50 feet	1	13.5
21122	LPL-F1W-120-30-PSQ	2400	120	6500K	30 feet	1	10.5
21136	LPL-F1W-12-50-PSQ	2400	12	6500K	50 feet	1	13.2
21123	LPL-F1W-12-30-PSQ	2400	12	6500K	30 feet	1	15
21148	LPL-S1W-120-150-P27	400	120	2700K	150 feet	1	17.5

POOL SIZE OVERALL DIMENSIONS (INCHES)



	LPL-F2C (POOL)
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
PILOT HOLE/CATCH TAB	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

NOTE: *J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

LPL SERIES CONFIGURATION

SERIES	MODEL NUMBER	VOLTAGE	CORD LENGTH	FACEPLATE
LPL	F1W = Li F3W = Hi F5W = Xi	120 or 12	30', 50', 100', or 150'	P = Polished Version PSQ = Polished SwimQuip Version

NICHE COMPATIBILITY

MANUFACTURER	COMPATIBLE NICHES
Hayward	SP0600U, SP0607U
Pentair	620004, 78210400, 78210500, 78210600, 78210700, 78232400, 78232500, 79206700
Jandy	PLNICLRG, SSNICLRG1R, SSNICLRG1S, PLNICVFLRG
Sta-Rite® SwimQuip®	PSQ Faceplate Version Only

J&J Electronics™ PureWhite LED Pool and Spa Light Fixtures provide an LED lighting alternative to inefficient incandescent lamps for installations requiring a wet niche fixture. They significantly reduce energy consumption and maintenance costs. Plus, all PureWhite LED Pool and Spa Light Fixtures feature a superior rugged construction that is unmatched in the industry.

Features

- Uses less energy – up to 90%*
- Lasts up to 50,000 hours – 20x longer life**
- Enhances pool water appearance – looks clearer and cleaner
- Enhances dark finish pools – commercial and residential
- Installs easily – compact fixture depth allows bottom catch visibility from pool deck

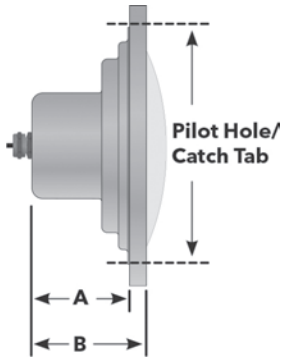
NOTE: *HI Series compared to incandescent lamps
**Compared to incandescent lamps

PUREWHITE LED SPA LIGHT

PUREWHITE LED SPA LIGHTS

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
13-WATT PUREWHITE LED SPA FIXTURE 100W EQUIVALENT							
21100	LPL-S1W-120-30-P	500	120	6500K	30'	1	7.5 lbs.
21091	LPL-S1W-120-50-P	500	120	6500K	50'	1	10 lbs.
21101	LPL-S1W-120-100-P	500	120	6500K	100'	1	13.5 lbs.
21102	LPL-S1W-120-150-P	500	120	6500K	150'	1	17.6 lbs.
21106	LPL-S1W-12-30-P	500	12	6500K	30'	1	7.5 lbs.
21107	LPL-S1W-12-50-P	500	12	6500K	50'	1	10.5 lbs.
21108	LPL-S1W-12-100-P	500	12	6500K	100'	1	14 lbs.
21051	LPL-S1W-12-150-P	500	12	6500K	150'	1	18.1 lbs.
21137	LPL-S1W-120-30-P27	400	120	2700K	30'	1	7.5 lbs.
21139	LPL-S1W-120-50-P27	400	120	2700K	50'	1	10 lbs.
21029	LPL-S1W-120-100-P27	400	120	2700K	100'	1	13.5 lbs.
21148	LPL-S1W-120-150-P27	400	120	2700K	150'	1	17.6 lbs.
21020	LPL-S1W-12-30-P27	400	12	2700K	30'	1	7.5 lbs.
21018	LPL-S1W-12-50-P27	400	12	2700K	50'	1	10.5 lbs.
21141	LPL-S1W-12-100-P27	400	12	2700K	100'	1	14 lbs.
21145	LPL-S1W-12-150-P27	400	12	2700K	150'	1	18.1 lbs.

OVERALL DIMENSIONS (INCHES)



SPA SIZE OVERALL DIMENSIONS (INCHES)

	LPL-F2C (SPA)
A	2.9"
B	3.5"
Lens Diameter	2.9"
Faceplate Diameter	5.7"

NOTE: *J&J Electronics faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

NICHE COMPATIBILITY

MANUFACTURER	COMPATIBLE NICHES
Hayward	SP0606C*, SP0610U, SP0608U
Pentair	78244200, 78244300, 78243200, 78243300, 79206600
Jandy	PLNICSM, SSNICSM1R, SSNICSM1S

NOTE: *This niche is no longer available for order.

PUREWHITE AND COLORSPLASH REPLACEMENT PARTS

REPLACEMENT LED BOARD KITS FOR COLORSPLASH™ AND PUREWHITE* FIXTURES (120V)		
MODEL NUMBER	DESCRIPTION	DESCRIPTION
JJ14322	LPL-F2CW-120-FRKIT	LED Light Engine/Lens Gasket-120V ColorSplash XGW 500 Series
JJ14321	LPL-F1CW-120-FRKIT	LED Light Engine/Lens Gasket-120V ColorSplash XGW 300 Series
JJ14835	LPL-S2CW-120-FRKIT	LED Light Engine/Lens Gasket-120V ColorSplash XGW Spa Series
JJ10681	LPL-F5W-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 600W Equivalent – Cool White
JJ9410	LPL-S1W-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 100W Equivalent Spa – Cool White
JJ10639	LPL-F1L-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 300W Equivalent – Warm White
JJ10021	LPL-S1L-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 100W Equivalent Spa – Warm White
REPLACEMENT LED BOARD KITS FOR COLORSPLASH™ AND PUREWHITE™ FIXTURES (12V)		
JJ15343	LPL-F2CW-12-FRKIT	LED Light Engine/Lens Gasket-12V ColorSplash XGW 500 Series
JJ15434	LPL-F1CW-12-FRKIT	LED Light Engine/Lens Gasket-12V ColorSplash XGW 300 Series
JJ15342	LPL-S2CW-12-FRKIT	LED Light Engine/Lens Gasket-12V ColorSplash XGW Spa Series
JJ10640	LPL-F3W-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 500W Equivalent – Cool White
JJ14614	LPL-S1W-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 100W Equivalent Spa – Cool White
JJ14724	LPL-F3L-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 500W Equivalent – Warm White
JJ9503	LPL-S1L-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 100W Equivalent Spa – Warm White
LENS & GASKET KITS		
JJ10702	LPL-S1-LG	Lens and Gasket Kit for Small Spa Fixture

PUREWHITE® LED POOL AND SPA REPLACEMENT LAMPS

MODEL NUMBER	DESCRIPTION	TYPE	PEAK LUMENS	VOLTAGE	CCT	CTN. QTY.	CTN. WEIGHT
46610	LPL-PR2-CW-120	Pool	3100	120V	6500	1	2.86 lbs.
46611	LPL-PR2-WW-120	Pool	2800	120V	2700	1	2.86 lbs.
46612	LPL-PR2-CW-12	Pool	3100	12V	6500	1	2.86 lbs.
46613	LPL-PR2-WW-12	Pool	2800	12V	2700	1	2.86 lbs.
46710	LPL-M2-CW-120	Spa	1300	120V	6500	1	0.88 lbs.
46711	LPL-M2-WW-120	Spa	1150	120V	2700	1	0.88 lbs.
46712	LPL-M2-CW-12	Spa	1300	12V	6500	1	0.88 lbs.
46713	LPL-M2-WW-12	Spa	1100	12V	2700	1	0.88 lbs.
46810	LPL-PRHO-CW-120	Pool	4300	120V	6500	1	2.86 lbs.
46811	LPL-PRHO-WW-120	Pool	4000	120V	2700	1	2.86 lbs.

SILICONE LENS GASKET FOR PENTAIR®, HAYWARD®, AND STARITE® LIGHT FIXTURES

MODEL NUMBER	DESCRIPTION	TYPE	CTN. QTY.	CTN. WEIGHT
26041	LPL-G-P	Guardian Silicone Lens Gasket-Pool-Pentair Amerlite	1	1 lb.
26046	LPL-G-H	Guardian Silicone Lens Gasket-Pool-Hayward Astrolite™	1	1 lb.
26040	LPL-G-S	Guardian Silicone Lens Gasket-Pool-Starite Swimquip	1	1 lb.
26039	LPL-M-G-P	Guardian Silicone Lens Gasket-Spa-Pentair SpaBrite and AquaLight	1	1 lb.
26042	LPL-M-G-H	Guardian Silicone Lens Gasket-Spa-Hayward Astrolite II	1	1 lb.
26517	LPL-G-J	Silicone Lens Gasket for J&J Electronics/Pool Incandescent Fixture	1	1 lb.
26518	LPL-M-G-J	Silicone Lens Gasket for J&J Electronics/Spa Incandescent Fixture	1	1 lb.

J&J Electronic's™ PureWhite-Pro LED Replacement In-Ground Pool and Spa Lamps are the brightest, most cost-effective LED alternative to inefficient incandescent lamps. They immediately and significantly reduce energy consumption and maintenance costs. Our PureWhite-Pro lamps fit into most standard pool light housings and includes our Guardian™ replacement pool fixture lens gasket* which has been designed specifically for use with LED lamps.

PUREWHITE LED POOL AND SPA LAMPS

Features

- Ultra-bright white light equivalents for 100w thru 500w incandescent pool lamps
- Uniformity of light intensity and saturation
- Multiple color temps: warm white 2700k and cool white 6500k
- 12V and 120V
- Wide beam spread

NOTE: *Fixture Lens Gasket included for use with Pentair® Amerlite™ or Pentair® SpaBrite™ pool light fixtures. Order lens gaskets for other manufactures pool light fixtures separately.

OVERALL DIMENSIONS (INCHES)

LPL-PR Series

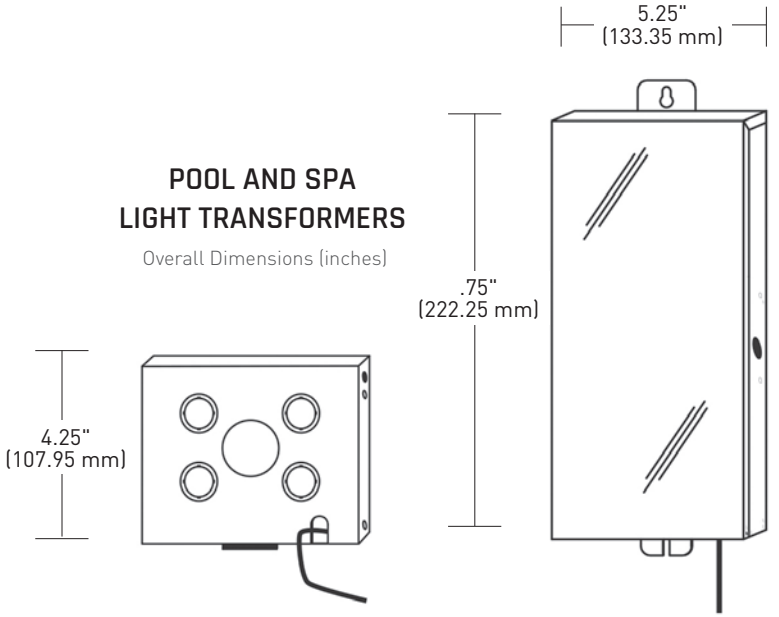
LPL-M2 SERIES

J&J ELECTRONICS™ LOW VOLTAGE TRANSFORMERS

MODEL NUMBER	DESCRIPTION	FINISH	WATTAGE	CTN. QTY.	CTN. WEIGHT
12-14V POOL AND SPA LIGHT TRANSFORMER					
25036	TR-100-PP	Beige	100W	1	7 lbs.
25037	TR-300-PP	Beige	300W	1	12.5 lbs.

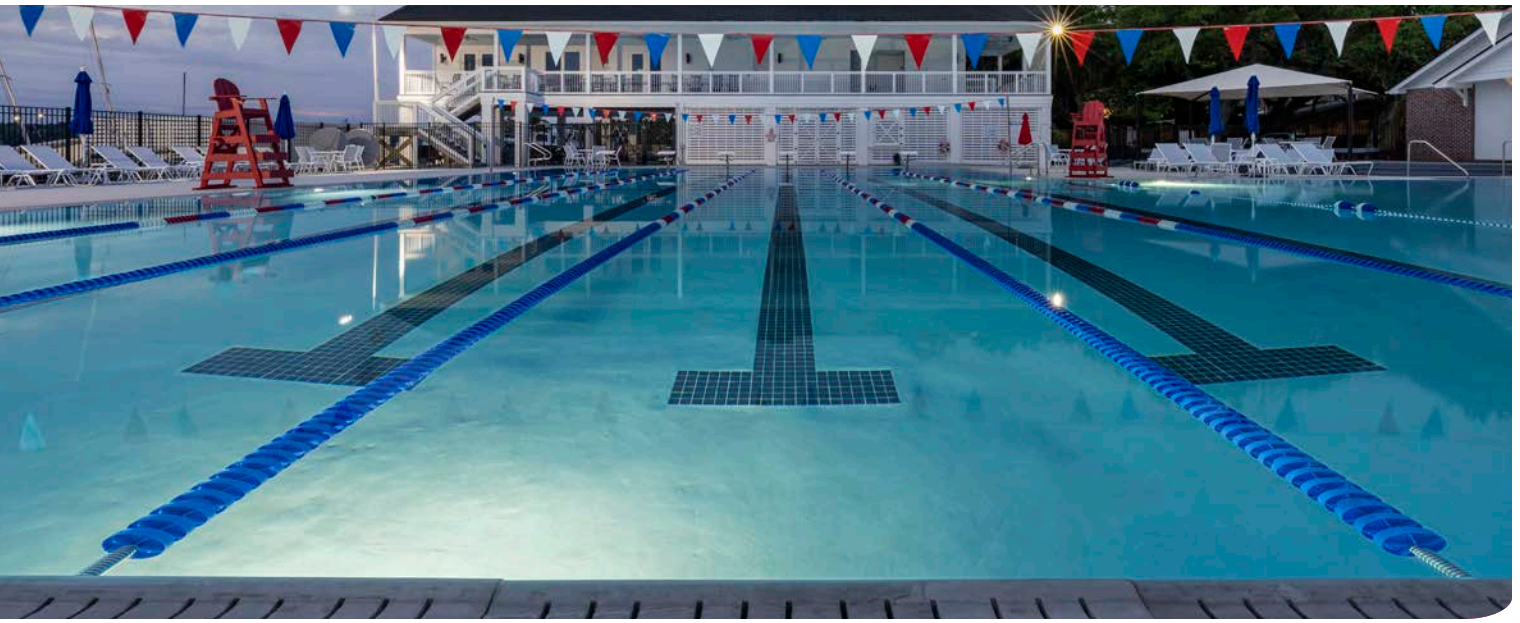
POOL AND SPA LIGHT TRANSFORMERS

Overall Dimensions (inches)



BOTTOM
TR-100-PP

FRONT
TR-300-PP



Commercial Water Features

Hayward® water features instantly enhance the ambiance of any commercial pool. They're low profile by design, blending seamlessly into any environment, and they connect quickly and easily to reduce installation headaches and costs. Available in deck jets, sheers and bubblers, they're a versatile way to enhance any commercial pool environment with the beauty and serenity of moving water.

LED COLORLOGIC LAMINARS

- **Peaceful, glass-like arcs of water**
- **Illuminate with** ColorLogic® or CrystaLogic® LED lights
- **Multiple lid color options** blend seamlessly with any environment
- **Flow and direction** can be adjusted without tools
- **Locking stream-angle adjustment mechanism** ensures uniformity with multiple units
- **The industry's only height-adjustment mechanism** ensures perfect deck alignment even after settling
- **Minimal dedicated valves and lines** save time and money
- **Performs best at 6-7 GPM**

DECK JET 500

- **Peaceful, arching deck-to-pool stream**
- **Flow and direction** can be adjusted without tools
- **The industry's only height adjustment mechanism** ensures perfect deck alignment even after settling
- **Attractive bronze-coated cover**
- **Integrated flow adjustment** eliminates the need for dedicated valves
- **Designed for a maximum flow rate of 5 GPM at 10.7 ft. of head**

SHEERS

- **Customizable waterfall effect** adds tranquil visual appeal
- **Can be installed in straight or curved applications**
- **Rear or bottom connections** for quick and easy installation
- **1.5" x 2" connections** are compatible with larger plumbing for maximum water flow
- **1.25 GPM** per inch of sheer width

LED BUBBLERS

- **Cascading column of water** creates the ultimate in high-end ambiance
- **Adjustable nozzles** create a variety of water heights and widths
- **Interchangeable color options**
- **Unobtrusive, flush design** integrates seamlessly with the pool surface
- **Can be installed 2" to 12" below the water's surface**
- **15 GPM - 40 GPM**

SPECIFICATIONS

DECK JET 500 (5 GPM PER JET)

PART NUMBER	DESCRIPTION
WFJ500PAK4	Deck Jet 500 (4 pack)

SHEER 500 (1.25 GALLONS PER INCH OF SHEER)

MODEL	DESCRIPTION	QTY.	WEIGHT
REAR MOUNT			
WFS512R6W	Sheer, 1 ft. width, 6" lip	1	7 lbs.
WFS512R1W	Sheer, 1 ft. width, 1" lip	1	5 lbs.
WFS524R6W	Sheer, 2 ft. width, 6" lip	1	10 lbs.
WFS524R1W	Sheer, 2 ft. width, 1" lip	1	8 lbs.
WFS536R6W	Sheer, 3 ft. width, 6" lip	1	16 lbs.
WFS536R1W	Sheer, 3 ft. width, 1" lip	1	11 lbs.
WFS548R6W	Sheer, 4 ft. width, 6" lip	1	21 lbs.
WFS548R1W	Sheer, 4 ft. width, 1" lip	1	14 lbs.
WFS560R6W	Sheer, 5 ft. width, 6" lip	1	26 lbs.
WFS560R1W	Sheer, 5 ft. width, 1" lip	1	18 lbs.
BOTTOM MOUNT			
WFS512B1W	Sheer, 1 ft. width, 1" lip	1	5 lbs.
WFS524B6W	Sheer, 2 ft. width, 6" lip	1	11 lbs.
WFS524B1W	Sheer, 2 ft. width, 1" lip	1	8 lbs.
WFS536B1W	Sheer, 3 ft. width, 1" lip	1	11 lbs.

BUBBLER (15 TO 40 GPM PER BUBBLER)

PART NUMBER	DESCRIPTION
WFB100*	ColorLogic Bubbler – Gunite
WFB200*	ColorLogic Bubbler – Vinyl/Fiberglass

COLORLOGIC LAMINAR 6-7 GPM PER**

PART NUMBER	DESCRIPTION
WFL100*	ColorLogic Laminar

*Accent 320 Lights LAWUS11xxx or LACUS11xxxLights ordered separately
**Cartridge Filter Required

SPA BLOWER

PART NUMBER	DESCRIPTION	MAX NUMBER OF WATER JETS
SPB101	Spa Blower, 1HP, 115V	4 to 8
SPB102	Spa Blower, 1HP, 230V	4 to 8
SPB151	Spa Blower, 1.5HP, 115V	8 to 12
SPB152	Spa Blower, 1.5HP, 230V	8 to 12
SPB201	Spa Blower, 2HP, 115V	14 or more
SPB202	Spa Blower, 2HP, 230V	14 or more

HYDROTHERAPY FITTINGS (15 GPM PER SPA JET)

PART NUMBER	DESCRIPTION
SP14341PAKA	1" Air x 1" Water
SP14343PAKA	1" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — White
SP1434PAKA	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — White
SP1434PAKAGR	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — Gray
SP1436PAKB	Pulse-Flo Nozzle Assembly — Rotating
SP1437PAKB	Whirl-Flo Nozzle Assembly — Whirlpool
SP1434PAKB	VariFlo Nozzle Assembly — Adjustable — White
SP1434PAKBDGR	VariFlo Nozzle Assembly — Dark Gray
SP1434PAKBGR	VariFlo Nozzle Assembly — Adjustable — Gray
SP1430	1.5" FIP X 1.5" MIP JetAir Ftg.
SP1430S	1.5" SKT x 1.5" MIP JetAir Ftg.
SP14311	1.5" MIP x 1.5" FIP JetAir Ftg.
SP1433	1.5" FIP JetAir Fitting Package
SP1433S	1.5" FIP JetAir Fitting Package with SP1430S
SP1450T	1.5" Socket Turbo-Boost Spa Jet Fitting

SPA BLOWER

Commercial Heaters

Building on our proven line of industry-leading heaters, Hayward® offers unmatched performance and superior engineering with the Universal H-Series ASME commercial gas heaters. All Hayward Commercial heaters employ a forced draft design and provide exceptional corrosion resistance and hydraulic performance. The new 500,000 BTU models boast the fastest speed-to-heat capability in their class and are designed for ultimate performance, durability and energy efficiency.

UNIVERSAL H-SERIES ASME GAS HEATERS

Hayward Commercial Aquatics Universal H-Series ASME gas heaters are designed and certified for commercial use. The flagship of our H-Series line encompasses high-end features and construction materials as standard. They combine industry-leading hydraulics, exceptional performance, energy efficiency and reliability with planet-friendly low NO_x emissions. Flexible connection options make them ideal for new or existing applications.

3 YEAR WARRANTY

- **Choose from 6 models** (250,000, 400,000 and 500,000 BTU natural gas or propane)
- **500,000 BTU provides unprecedented speed-to-heat,** with just 2 models delivering 1 million BTU's while using minimal pump room space
- **Patented Cupro Nickel Finn Plate™ heat exchanger** with bronze header included as standard on all models
- **Independent left- or right-side electric** and water connections
- **2" x 2½" CPVC** flanged plumbing connections
- **ASME pressure relief valve** included as standard
- **Electronic lock-out feature** prevents unauthorized access to configuration settings
- **Easy installation and service** via single front panel access
- **Easy gas valve** adjustment
- **Easy dual-voltage conversion** with fuse-protected circuit boards
- **83%-84% thermal efficiency**
- **3-year limited warranty** on parts and labor

TECHNICAL SPECIFICATIONS

PART NUMBER	BTU	DESCRIPTION	PIPE SIZE	MAX. ALLOWED WORKING PRESSURE	FLOW RATE	DIMENSIONS (L X W X H)	CARTON QUANTITY	CARTON WEIGHT (LBS.)
H250FDNASME	250,000	Natural Gas	2" x 2½"	125 psi	25 -125	28" x 29½" x 24"	1	195.0
H400FDNASME	400,000	Natural Gas	2" x 2½"	125 psi	30 -125	36½" x 29½" x 24"	1	225.0
H500FDNASME*	500,000	Natural Gas	2" x 2½"	125 psi	40 -125	40½" x 29½" x 24"	1	240.0
H250FDPASME	250,000	Propane	2" x 2½"	125 psi	25 - 125	28" x 29½" x 24"	1	195.0
H400FDPASME	400,000	Propane	2" x 2½"	125 psi	30 - 125	36½" x 29½" x 24"	1	225.0
H500FDPASME*	500,000	Propane	2" x 2½"	125 psi	40 - 125	40½" x 29½" x 24"	1	240.0

*Includes flow and pressure sensor.

Electronic temperature lock-out prevents unauthorized access to temperature settings

24 Inch high cabinet is the lowest in the industry and can be raised off the floor if necessary

Fuse-protected circuit boards make dual-voltage conversion safe and easy

Forced-draft combustion produces low NOx emissions for and is certified for high-altitude applications up to 10,000 feet standard

ASME pressure relief valve comes standard to ensure system safety

Noncorrosive feet won't rust on wet pool pads

Patented cupro nickel heat exchanger with totally managed flow provides industry-best performance with powerful corrosion protection

Low-lead bronze header with patented bypass design uses up to 18% less energy

Universal plumbing, gas and electrical connections offer quick and easy retrofitting and are certified for installation on combustible surfaces

4," 6" and 8" venting kit allows for indoor natural gas installation

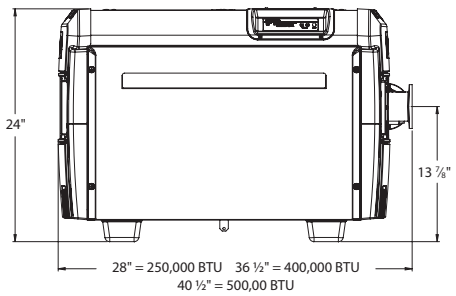
COMMERCIAL HEATER ACCESSORIES

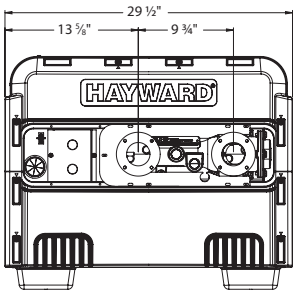
Hayward® offers a complete range of venting kit options for all ASME heaters. Also offered is a flow switch and a temperature/pressure gauge that is required for installation into specific commercial pool markets, such as Texas. This kit will ensure the H-Series ASME heater is compliant with boiler and health code regulations.
(Included with 500,000 BTU)

VENTING KIT OPTIONS AND ACCESSORIES (ORDERED SEPERATELY)

PART NUMBER	DESCRIPTION
UHXNEGMV300	**NEW** Horizontal Power Vent Kit, Up to 300k BTU
UHXNEGMV600	**NEW** Horizontal Power Vent Kit, Up to 610k BTU
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit
UHXDVA004	4" Duravent Positive Pressure Appliance Adapter
UHXDVA006	6" Duravent Positive Pressure Appliance Adapter
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adapter Included)
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXTFP1930	Temp/Pressure and Flow Switch Kit
UHXFSW1930	Flow Switch Only

UNIVERSAL H-SERIES ASME HEATER DIMENSIONS





Note: The Vent Kits are the Adapters ONLY – to be used with either Heatfab,® DuraVent® or Z-Flex® vent piping.

INSTALLATION REQUIRED CLEARANCES (INCHES)

HEATER PANEL LOCATION	OUTDOOR CLEARANCE	INDOOR CLEARANCE
Top	Unobstructed	36″
Front	18″	18″
Back	6″	6″
Water Side Connection	12″	12″
Opposite Water Side Connection	6″	6″

NATURAL GAS PIPE SIZING (DIA. IN.), LOW PRESSURE, SINGLE-STAGE REGULATION

btu/hr Input		250,000	400,000	500,000
Gas Line Material		Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe
Distance from Gas Meter to Gas Valve Inlet (ft.)	0 to 50	1	1-1/4	1-1/4
	50 to 100	1-1/4	1-1/4	1-1/2
	100 to 200	1-1/4	1-1/4	2
	200 to 300	1-1/4	2	2

Based upon an inlet gas pressure of 0.5 psig or less at a pressure drop of 0.5 inwc

PROPANE GAS PIPE SIZING (DIA. IN.), LOW-PRESSURE, SINGLE-STAGE REGULATION

btu/hr Input		250,000		400,000	500,000
Gas Line Material		Iron Pipe	Tubing	Iron Pipe	Iron or Plastic Pipe
Distance from Tank Regulator to Gas Valve Inlet (ft.)	0 to 50	1	1-1/8	1	1
	50 to 100	1	1-1/8	1-1/4	1-1/4
	100 to 200	1-1/4	–	1-1/4	1-1/4
	200 to 300	1-1/4	–	1-1/2	1-1/2

Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

NATURAL GAS PIPE SIZING (DIA. IN.), HIGH-PRESSURE, 2-STAGE REGULATION

btu/hr Input			250,000	400,000	500,000
Gas Line Material			Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe
Distance of 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	1/2	1/2	1/2
		50 to 100	1/2	3/4	3/4
		100 to 150	1/2	3/4	3/4
	Second Stage**	0 to 10	3/4	3/4	1

*Based upon an inlet gas pressure of 2 psig at a pressure drop of 1 psi
** Based upon an inlet gas pressure of 10 inwc at a pressure drop of 0.5 inwc

PROPANE GAS PIPE SIZING (DIA. IN.), HIGH-PRESSURE, 2-STAGE REGULATION

btu/hr Input			250,000		400,000		500,000	
Gas Line Material			Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing
Distance or 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	1/2	1/2	1/2	1/2	1/2	1/2
		50 to 100	1/2	1/2	1/2	5/8	1/2	5/8
		100 to 200	1/2	1/2	1/2	5/8	1/2	5/8
	Second Stage**	0 to 10	1/2	3/4	3/4	7/8	3/4	1

*Based upon an inlet gas pressure of 10 psig at a pressure drop of 1 psi
** Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

HEATPRO® MCHX SERIES HEAT PUMPS

Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature.

- **Best in class corrosion resistance.** TCP coating developed by naval air command for durability in the harshest climates.
- **Lasts longer,** less performance degradation versus tube and fin.
- **Less complexity,** 85% reduction in braze joints means less leak opportunities.
- **Robust coil structure.** Protects against fin damage during installation and outdoor impacts.
- **Weight reduction** up to 50lb weight reduction vs. tube & fin technology.
- **Lower panel loading** 40 amp breaker can be used on 110k and 120k btu/hr units.
- **Less refrigerant** significant reduction in refrigerant means lower environmental impact.
- **AHRI certification certified** for performance and value.
- **Powerful warranty** backed by a 5 year warranty.

5 YEAR WARRANTY

SPECIFICATIONS

MODEL NUMBER	HP21405T	HP31205T	HP31405T
BTU HEATING CAPACITY			
80 / 80 / 80 *	138,000	120,000	135,000
80 / 80 / 63 *	128,000	110,000	125,000
50 / 80 / 63 *	82,000	75,000	82,000
BTU COOLING CAPACITY			
95 / 90 / 80 *	Heat Only	72,000	82,000
COEFFICIENT OF PERFORMANCE, HEATING			
80 / 80 / 80 *	5.7	5.7	5.7
80 / 80 / 63 *	5.5	5.5	5.5
50 / 80 / 63 *	4.0	4.0	4.0
Low Ambient Operation	√	√	√
Air Operating Temperature	45-110°F	40-110°F	40-110°F
Active Defrost	-	√	√
Rated Voltage	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph
Recommended Breaker Size	50A	40A	50A
Water Flow Rate (Min/Max)	30 / 75 GPM	30 / 75 GPM	30 / 75 GPM
Water Connection Diameter	2 x 2-1/2 in.	2 x 2-1/2 in.	2 x 2-1/2 in.
Water Inlet to Outlet Distance	10.25 in.	10.25 in.	10.25 in.
Refrigerant	4 lb 14 oz	5 lb 4 oz	5 lb 4 oz
Refrigerant Type	R-410A	R-410A	R-410A
Unit Dimensions (LxWxH)	33.6 x 30.5 x 44 in.	33.6 x 30.5 x 44 in.	33.6 x 30.5 x 44 in.
Unit Weight	233 lbs.	240 lbs.	240 lbs.
Unit Shipping Dimensions (LxWxH)	36.5 x 31 x 49 in.	36.5 x 31 x 49 in.	36.5 x 31 x 49 in.
Unit Shipping Weight	281 lbs.	288 lbs.	288 lbs.
Rear & Side Clearance (Min)	12"	12"	12"

WHITE GOODS AND VALVES

ENGINEERED THERMOPLASTIC SOLUTIONS FOR OPTIMAL HYDRAULIC PERFORMANCE.

Hayward®'s full line of industrial thermoplastic valves and process control products are designed and engineered to be the most reliable in the industry. We employ precision manufacturing processes and rigorous quality assurance procedures to make sure our flow control products and white goods deliver optimum performance and long-lasting durability while meeting or exceeding industry standards and regulations. In other words, we take care of the details so you can focus on the big picture: building the very best commercial pools.

Commercial Flow Control

Hayward Flow Control has manufactured industrial thermoplastic valves and process control products since the inception of the thermoplastic valve industry over 60 years ago. We have earned an unsurpassed reputation for product design, manufacturing precision, quality assurance, experience and know-how and a total commitment to customer satisfaction and support.

LRQA CERTIFIED ISO 9001 — ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17021-1 MANAGEMENT SYSTEMS CERTIFICATION BODY

TRUE UNION PVC BALL VALVES – TBH SERIES

- Full 250 psi / PN16 Rating up to 2"/DN50 and 235psi/PN16, Non-Shock at 70°F / 23°C.
- Integral ISO 5211 Mounting Pad for Easy Actuation
- System2™ Sealing Technology Seat Carrier Design for sizes up to 2"/DN50– Patent Pending
- Permanent Laser Markings, Eliminates Labels
- UV Resistant Sure Grip Ergonomic Handle

NSF Certified to NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
TBH1050ASTE0000	1/2" PVC TB VALVE S/T EPDM	1
TBH1075ASTE0000	3/4" PVC TB BALL VALVE S/T EPDM	1
TBH1100ASTE0000	1" PVC TB VALVE SOC/THD EPDM	1
TBH1150ASTE0000	1-1/2"PVC TB VALVE SOC/THD EPDM	1
TBH1200ASTE0000	2" PVC TB VALVE SOC/THD EPDM	1
TBH1250A0SE0000	2-1/2" PVC TB SOC W/EPDM SAFE	1
TBH1250A0TE0000	2-1/2" PVC TB THD W/EPDM SAFE	1
TBH1300A0SE0000	3" PVC TU BALL VALVE SKT EPDM	1
TBH1300A0TE0000	3" PVC TU BALL VALVE THD EPDM	1
TBH1400A0SE0000	4" PVC TU BALL VALVE SKT EPDM	1
TBH1400A0SV0000	4" PVC TB VALVE SOC LATCHING HAN	1
TBH1400A0TE0000	4" PVC TU BALL VALVE THD EPDM	1
TBH1600A0FE0000	6" PVC TU SAFE BLOCK BALL VAL	1

COMPACT BALL VALVES – QVC SERIES (GRAY AND WHITE)

- Pressure rating 150 psi
- EPDM seals
- Santoprene® seats

PART NUMBER	DESCRIPTION	CARTON QTY
QVC1005SSEG	1/2" PVC COMPACT BALL VALVE SOC	210
QVC1005SSEW	1/2" PVC COMPACT BALL VALVE SOC	210
QVC1005TSEG	1/2" PVC COMPACT BALL VALVE THD	210
QVC1005TSEW	1/2" PVC COMPACT BALL VALVE THD	210
QVC1007SSEG	3/4" PVC COMPACT BALL VALVE SOC	140
QVC1010SSEG	1" PVC COMPACT BALL VALVE SOC	100
QVC1010SSEW	1" PVC COMPACT BALL VALVE SOC	100
QVC1010TSEG	1" PVC COMPACT BALL VALVE THD	100
QVC1010TSEW	1" PVC COMPACT BALL VALVE THD	100
QVC1015SSEG	1 1/2" PVC COMPACT BALL VALVE SOC	40
QVC1015SSEW	1 1/2" PVC COMPACT BALL VALVE SOC	40
QVC1015TSEG	1 1/2" PVC COMPACT BALL VALVE THD	40
QVC1015TSEW	1 1/2" PVC COMPACT BALL VALVE THD	40
QVC1020SSEG	2" PVC COMPACT BALL VALVE SOC	30
QVC1020SSEW	2" PVC COMPACT BALL VALVE SOC	30
QVC1020TSEG	2" PVC COMPACT BALL VALVE THD	30
QVC1020TSEW	2" PVC COMPACT BALL VALVE THD	30
QVC1025SSEG	2 1/2" PVC COMPACT BALL VALVE SOC	12
QVC1025SSEW	2 1/2" PVC COMPACT BALL VALVE SOC	12
QVC1025TSEG	2 1/2" PVC COMPACT BALL VALVE THD	12

COMPACT BALL VALVES – QVC SERIES (CONTINUED)

- Pressure rating 150 psi
- EPDM seals
- Santoprene® seats

PART NUMBER	DESCRIPTION	CARTON QTY
QVC1025TSEW	2 1/2" PVC COMPACT BALL VALVE THD	12
QVC1030SSEG	3" PVC COMPACT BALL VALVE SOC	8
QVC1030SSEW	3" PVC COMPACT BALL VALVE SOC	8
QVC1030TSEG	3" PVC COMPACT BALL VALVE THD	8
QVC1030TSEW	3" PVC COMPACT BALL VALVE THD	8
QVC1040SSEG	4" PVC COMPACT BALL VALVE SOC	6
QVC1040SSEW	4" PVC COMPACT BALL VALVE SOC	6
QVC1040TSEG	4" PVC COMPACT BALL VALVE THD	6
QVC1040TSEW	4" PVC COMPACT BALL VALVE THD	6

TRUE UNION COMPACT BALL VALVES – QTA SERIES (GRAY AND WHITE)

- Pressure rating 150 psi
- EPDM seals
- Santoprene seats

PART NUMBER	DESCRIPTION	CARTON QTY
QTA1005CSEG	1/2" PVC TU COMPACT VALVE S/T	140
QTA1005CSEW	1/2" PVC TU COMPACT VALVE S/T	140
QTA1007CSEG	3/4" PVC TU COMPACT VALVE S/T	80
QTA1007CSEW	3/4" PVC TU COMPACT VALVE S/T	80
QTA1010CSEG	1" PVC TU COMPACT VALVE S/T	50
QTA1010CSEW	1" PVC TU COMPACT VALVE S/T	50
QTA1015CSEG	1 1/2" PVC TU COMPACT VALVE S/T	20
QTA1015CSEW	1 1/2" PVC TU COMPACT VALVE S/T	20
QTA1020CSEG	2" PVC TU COMPACT VALVE S/T	18
QTA1020CSEW	2" PVC TU COMPACT VALVE S/T	18

TRUE UNION PVC BALL VALVES – TBB SERIES

- Pressure rating 225 psi
- EPDM seals
- PTFE seats
- Double O-Ring stem seals

PART NUMBER	DESCRIPTION	CARTON QTY
TBB1005CPEG	TRUE UNION BALL VALVE GRAY 1/2"	48
TBB1007CPEG	TRUE UNION BALL VALVE GRAY 3/4"	36
TBB1010CPEG	TRUE UNION BALL VALVE GRAY 1" PV	24
TBB1015CPEG	TRUE UNION BALL VALVE GRAY 1-1/2"	24
TBB1020CPEG	TRUE UNION BALL VALVE GRAY 2" PV	12
TBB1025SPEG	2 1/2" PVC TBB VALVE GRAY SOC	6
TBB1025TPEG	2 1/2" PVC TBB VALVE GRAY THD	6
TBB1030SPEG	3" PVC TBB VALVE GRAY SOC EPDM	6
TBB1030TPEG	3" PVC TBB VALVE GRAY THD EPDM	6
TBB1040TPEG	4" PVC TBB VALVE GRAY THD EPDM	1

ACTUATED BALL VALVES - EAU1 SERIES

- Pressure rating 250 psi
- True Union design
- EPDM seals
- PTFE seats
- Double O-Ring stem seals
- Assembled with actuator and linkage
- Electric actuator details
- 90-degree operation
- UL/CSA Listed motor
- Standard 120 Volt
- Light weight and compact design

PART NUMBER	DESCRIPTION	CARTON QTY
EAU128	ELEC ACT 180 DEGREE ROTATION 1	1
EAU129	ELEC ACT 90 DEGREE ROTATION 11	1
EATBH110STE	1" TB PVC, EPDM, W/ELEC ACT	1
EATBH120STE	2" TB, PVC, EPDM, W/ELEC ACT	1
EATBH105STE	1/2" ELEC ACT TB VALVE PVC W/EPD	1
EAUTBH105STV	1/2" ELEC ACT TB VALVE PVC W/VIT	1
EAUTBH107STE	3/4" ELEC ACT TB VALVE PVC W/EPD	1
EAUTBH107STV	3/4" ELEC ACT TB VALVE PVC W/VIT	1
EAUTBH107STE	1"ELEC ACT TB VALVE PVC W/EPDM S	1
EAUTBH110STV	1"ELEC ACT TB VALVE PVC W/VITON	1
EAUTBH115STE	1 1/2" PVC TB EPDM W/ELEC ACT	1
EAUTBH115STV	1 1/2" PVC TB FPM W/ELEC ACT	1
EAUTBH120STE	2" ELEC ACT TB VALVE PVC W/EPDM	1
EAUTBH120STV	2" ELEC ACT TB VALVE PVC W/VITON	1

TRUE UNION PVC BALL CHECK VALVES – TC SERIES

- Pressure rating
  150 psi: 2½"–6"
  235 psi: ½"–2"
- EPDM seals
- For horizontal or vertical installation
- NSF/ANSI Standard 61 Certified (1/2"–4")

Certified to NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
TC10050ST	1/2 IN PVC TRUE CHECK SOC & THD	12
TC10075STE	3/4" PVC T/C SOC & THD W/EPDM	12
TC10100FE	1" PVC TC BALL CHECK FLG EPDM	6
TC10100STE	1 IN PVC TRUE CHECK SOC & THD	12
TC10150STE	1-1/2" PVC TC SOC & THD EPDM	6
TC10200STE	2 IN PVC TRUE CHECK SOC & THD	1
TC1250SE	2-1/2" PVC TC SOC, EPDM VALVE	1
TC1250TE	2-1/2" PVC TC THD, EPDM VALVE	1
TC2250SE	2 1/2" CPVC TC BALL CHECK SKT	1
TC1300SE	3" PVC BALL CHECK VALVE SKT E	1
TC1300TE	3" PVC TRUE BALL VALVE THD EPDM	1
TC1400SE	4"PVC BALL CHECK SKT EPDM	1
TC1400TE	4"PVC BALL CHECK THD EPDM	1
TC1600FE	6" PVC TRUE UNION BALL CHE	1

TRUE UNION SOLENOID VALVES – SV SERIES

- Available in PVC and CPVC
- Available with FPM or EPDM seals
- Continuous or 100% duty applications
- Corrosion-resistant polyester coil
- No pressure differential required for operation
- Four-position electrical connection
- ½" conduit or SJ type cord electrical connection
- 110 VAC is standard
- Normally closed design

3 YEAR WARRANTY

PART NUMBER	DESCRIPTION	CARTON QTY
SV10050STE	1/2" PVC SOL VALVE SOC & THD EPD	1
SV10050STE220A	1/2" PVC SOL VALVE SOC & THD EPD	1
SV10050STV	1/2" PVC SOL VALVE SOC & THD VIT	1
SV10075STE	3/4" PVC SOL VALVE SOC & THD EPD	1
SV10075STE220A	3/4" PVC SOL VALVE SOC & THD EPD	1
SV10075STE24A/D	3/4" PVC SOL VALVE 24 VAC/DC EPD	1
SV10075STV	3/4" PVC SOL VALVE SOC & THD VIT	1
SV10075STV24A/D	3/4" PVC SOL VALVE 24 VAC/DC VIT	1
SV10100STE	1" PVC SOL VALVE SOC & THD EPDM	1
SV10100STV	1" PVC SOL VALVE SOC & THD VITON	1

BUTTERFLY VALVES (LEVER OPERATED)

- Pressure rating 150 psi
- PVC body and disc
- EPDM liner
- 316 SS stem
- 9-position throttle plate
- NSF/ANSI Standard 61 Certified

Certified to NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
BYCN1020E1LGB	2" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1025E1LGB	2 1/2" BYCN PVC/PVC/EPDM/316/L	8
BYCN1030E1LGB	3" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1040E1LGB	4" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1050E1LGB	5" BYCN PVC/PVC/EPDM/316/LEVER	3
BYCN1060E1LGB	6" BYCN PVC/PVC/EPDM/316/LEVER	3
BYCN1080E1LGB	8" BYCN PVC/PVC/EPDM/316/LEVER	3

BUTTERFLY VALVES (LEVER OPERATED) – BYV SERIES

- Pressure rating 150 psi
- PVC body and disc
- EPDM liner
- 1 Piece 316 SS stem
- 19-position throttle plate
- Hydro dynamic disc
- External disc position and flow indication
- NSF/ANSI Standard 61 Certified

Certified to NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
BYV11020A0EL000	2" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11025A0EL000	2 1/2 " BYV BFLY VALVE PVC/PVC/E	1
BYV11030A0EL000	3" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11040A0EL000	4" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11060A0EL000	6" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11080A0EL000	VL1BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11120A0EG000	12" BYV BFLY VALVE PVC/PVC/EPDM/	1

BUTTERFLY VALVES (GEAR OPERATED)

- Pressure rating 150 psi
- PVC body and disc
- EPDM liner
- 316 SS stem
- Robust aluminum gear operator with stainless steel shaft, IP65 rating
- NSF/ANSI Standard 61 Certified

Certified to NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
BYCN1020E1GGB	2" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1025E1GGB	2 1/2" BYCN PVC/PVC/EPDM/316/G	1
BYCN1030E1GGB	3" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1040E1GGB	4" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1050E1GGB	5" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1060E1GGB	6" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1080E1GGB	8" BYCN PVC/PVC/EPDM/316/GEAR/	1

BUTTERFLY VALVES (GEAR OPERATED) – BYV SERIES

- Pressure rating 150 psi
- PVC body and disc
- EPDM liner
- 1 Piece 316 SS stem
- 19-position throttle plate
- Hydro dynamic disc
- External disc position and flow indication
- NSF/ANSI Standard 61 Certified

Certified to NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
BYV11020A0EG000	2" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11025A0EG000	2 1/2" BYV BFLY VALVE PVC/PVC/EP	1
BYV11030A0EG000	3" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11040A0EG000	4" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11060A0EG000	6" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11080A0EG000	8" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11100A0EG000	10" BYV BFLY VALVE PVC/PVC/EPDM/	1

FULL PATTERN PVC WAFER CHECK VALVES – WCV SERIES

- Pressure rating 150 psi
- One-piece disk and shaft design
- EPDM gasket and face seal
- Full pattern body – no need for spacers or specialty flanges
- Contoured inlet port for easy flow
- Can be installed in vertical or horizontal position

PART NUMBER	DESCRIPTION	CARTON QTY
WCV1200E	2" PVC WAFER FULL PATTERN CHK	1
WCV1250E	2 1/2" PVC WAFER FULL PATTERN	1
WCV1300E	3" PVC WAFER FULL PATTERN CHK	1
WCV1400E	4" PVC WAFER FULL PATTERN CHK	1
WCV1600E	6" PVC WAFER FULL PATTERN CHK	1
WCV1800E	8" PVC WAFER FULL PATTERN CHK	1
WCV11000E	10" WAFER CHECK VALVE EPDM	1
WCV11200E	12" PVC WAFER FULL PATTERN CHECK VALVE - EPDM O-RING	1

FULL PATTERN PVC WAFER CHECK VALVES – WCV SERIES

- Pressure rating 150 psi
- One-piece disk and shaft design
- EPDM gasket and face seal
- Full pattern body – no need for spacers or specialty flanges
- Contoured inlet port for easy flow
- Can be installed in vertical or horizontal position
- 316 SS disc spring

PART NUMBER	DESCRIPTION	CARTON QTY
WCV1200ES	2" PVC WAFER FULL PATTERN CHK	1
WCV1250ES	2 1/2" PVC WAFER FULL PATTERN	1
WCV1300ES	3" PVC WAFER FULL PATTERN CHK	1
WCV1400ES	4" PVC WAFER FULL PATTERN CHK	1
WCV1600ES	6" PVC WAFER FULL PATTERN CHK	1
WCV1800ES	8" PVC WAFER FULL PATTERN CHK	1
WC11000ES	10" WAFER CHECK VALVE EPDM SST	1
WCV11200ES	12" PVC WAFER FULL PATTERN CHECK VALVE W/SS SPRING; EPDM O-RING	1

PVC SIMPLEX BASKET STRAINER – SB SERIES

- Pressure rating 150 psi
- PVC body and basket
- EPDM seals
- Multiple basket material options
- Ergonomic hand-removable cover
- True Union connections
- Each strainer includes a standard basket
- ½"–1" Standard 1/32" Perforation
- 1½"–4" Standard ⅛" Perforation
- NSF/ANSI Standard 61 Certified

Certified to NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
SB1100ST132	1" SIMPLEX, PVC, FPM, SOC, THD 1/32	1
SB1100STE132	1" SIMPLEX, PVC, EPDM, SOC, THD, 1/32	1
SB1150ST18	1 1/2" PVC SIMPLEX SOC/THD 1/18	1
SB1150STE18	1 1/2" SIMPLEX PVC EPDM 1/8 PE	1
SB1200ST18	2" PVC SIMPLEX SOC/THD 1/8 PER	1
SB1200STE132	2" SIMPLEX, PVC, EPDM, SOC&THD 1/32	1
SB1200STE18	2" SIMPLEX, PVC, EPDM, SOC, THD, 1/18	1
SB1200STES132	2" SIMPLEX,PVC,EPDM,SOC&THD 1/32	1
SB1250S18	SIMPLEX BS, 2 1/2" SOC, PVC 1/8	1
SB1250SE18	2 1/2"SIMPLEX PVC EPDM SOC 1/8	1
SB1250T18	SIMPLEX BS, 2 1/2" THD, PVC 1/8	1
SB1250TE18	2 1/2"SIMPLEX PVC EPDM THD 1/8	1
SB1300S18	SIMPLEX BS, 3" SOC, PVC, 1/8"PER	1
SB1300SE18	3" SIMPLEX, PVC, EPDM, SOC, 1/8 PE	1
SB1300T18	SIMPLEX BS, 3" THD, PVC, 1/8"PER	1
SB1300TE18	3" SIMPLEX, PVC, EPDM, THD, 1/8 PE	1
SB1400FES18	SIMPLEX BS, 4" FLG, PVC, EPDM 1/18	1
SB1400S18	SIMPLEX BS, 4" SOC, PVC, 1/8"PER	1
SB1400SE18	4" SIMPLEX, PVC, EPDM, SOC, 1/8 PE	1
SB1400T18	SIMPLEX BS, 4" THD, PVC, 1/8"PER	1
SB1400TE18	4" SIMPLEX, PVC, EPDM, THD, 1/8 PE	1

CLEAR PVC Y-STRAINERS - YS SERIES

» Available in PVC, CPVC, Clear PVC and PVDF
» Horizontal or Vertical Installation
» FPM O-Ring Seals
» 2:1 Open Area Ratio
» Hex Cap for Easy Access to Screen
» Standard Screen has 1/32" Perforation

PART NUMBER	DESCRIPTION	CARTON QTY
YS00050SU	1/2" PVC CLEAR Y-STRAINER,SOC	1
YS00050TU	1/2" CLEAR PVC Y STRAINER THD	1
YS00075SU	3/4" CLEAR PVC Y-STRAINER, SOC	1
YS00075TU	3/4" CLEAR PVC Y-STRAINER, THD	1
YS00100SU	1" CLEAR PVC Y-STRAINER,SOC,TR	1
YS00100TU	1" CLEAR PVC Y-STRAINER,THD UN	1
YS00150SU	1-1/2" CLEAR PVC Y-STRAINER,SO	1
YS00150TU	1-1/2" CLEAR PVC Y-STRAINER,TH	1
YS00200SU	2" CLEAR PVC Y-STRAINER, SOC. TRUE U	1
YS00200TU	2" CLEAR PVC Y-STRAINER,THD TR	1

SOLID GRAY PVC Y-STRAINERS - YS SERIES

» Available in PVC, CPVC, Clear PVC and PVDF
» Horizontal or Vertical Installation
» FPM O-Ring Seals
» 2:1 Open Area Ratio
» Hex Cap for Easy Access to Screen
» Standard Screen has 1/32" Perforation

PART NUMBER	DESCRIPTION	CARTON QTY
YS10050SU	1/2" PVC Y-STRAINER, SOC. TRUE	1
YS10050TU	1/2" PVC Y-STRAINER, THD. TRUE	1
YS10075SU	3/4" PVC Y-STRAINER, SOC. TRUE	1
YS10075TU	3/4" PVC Y-STRAINER, THD. TRUE	1
YS10100SU	1" PVC Y-STRAINER, SOC. TRUE U	1
YS10100TU	1" PVC Y-STRAINER, THD. TRUE U	1
YS10150SU	1-1/2" PVC Y-STRAINER, SOC. TR	1
YS10150TU	1-1/2" PVC Y-STRAINER, THD. TR	1
YS10200SU	2" PVC Y-STRAINER, SOC. TRUE U	1
YS10250SU	2-1/2" PVC Y-STRAINER, SOC. TR	1
YS10250TU	2-1/2" PVC Y-STRAINER, THD. TR	1
YS10300F	3" PVC Y-STRAINER, FLG'D.	1
YS10300SU	3" PVC Y-STRAINER, SOC. UNION	1
YS10300TU	3" PVC Y-STRAINER, THD. UNION	1
YS10400F	4" PVC Y-STRAINER, FLG'D.	1
YS10400SEU	4" PVC Y STRAINER SOC TRUE UNI	1
YS10400TU	4" PVC Y-STRAINER, THD. UNION	1

Flanged connections are available. Please call for part number and pricing information. All Hayward® Flow Control products have a 3-year warranty as standard. All Hayward Flow Control items are based on a per-unit cost with the exception of all QVC Series ball valves, which are sold as bag quantities only. If bag quantities are broken, there will be a 25% upcharge. All Flow Control products manufactured are in compliance with ISO 9001:2015 standards.

LRQA CERTIFIED ISO 9001 — ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17021-1 MANAGEMENT SYSTEMS CERTIFICATION BODY

3 YEAR WARRANTY

PSV VALVES

3" VALVES - 3-WAY, 2-WAY AND CHECK

- Industrial, high-performance seal for superior chemical resistance for long-term durability
- Clear closed port indication for easy-to-identify flow management
- Lower headloss for up to 230 gpm vs. competition at 170gpm*
- No couplings needed vs. competition
- Long lasting durability all components are made of corrosion resistant materials allowing for proper function over an extended life.

NSF Certified to NSF/ANSI/CAN 50

PART NUMBER	TYPE	PIPE SIZE	MATERIAL	CTN QTY
PSV3S3	3-Way	3"	CPVC	1
PSV2S3	2-Way	3"	CPVC	1
PSCV2S3	Check	3"	CPVC	1

Commercial White Goods

For residential and commercial concrete pools, Hayward square drain covers are available in a wide range of sizes and flow designs to satisfy any installation requirement. Whether the application demands frames and covers for new construction or replacement cover assemblies for existing installations, Hayward suction outlets set the standard for quality and value.

Hayward's High Flow covers have some of the industry's highest approved flow rates. Each size and flow design cover retrofit to existing Hayward frames and are designed for an extensive 7 year life span.

VGB ACT-COMPLIANT HIGH-FLOW DRAIN COVERS AND FRAMES

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

Applications

- Meets various flow category requirements
- Installations in concrete, residential and commercial pools

Features

- Certified to ANSI/APSP/ICC-16 2017
- Retrofits to all Hayward existing frames
- 7-year life
- 1-year limited warranty

MODEL NUMBER	PIPE SIZE	MOUNTING POSITION	SUMP PORT LOCATION	APPROVED FLOW GPM
WGX1031BHF2 & WG1031HF2PAK2 (9" x 9")	2.5"	Floor	Side	172
	2.5"	Wall	Side	184
	2.5"	Wall	Bottom	224
	3"	Floor	Side	264
	3"	Wall	Side	224
	3"	Wall	Bottom	224
WGX1032BHF2 & WG1032HF2PAK2 (12" x 12")	3"	Floor	Side	416
	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WGX1033BHF2 & WG1033HF2PAK2 (18" x 18")	3"	Floor	Side	484
	3"	Wall	Bottom	484
	4"	Floor	Side	656
	4"	Wall	Bottom	688
	6"	Floor	Side	815
	6"	Wall	Bottom	732
WG1061HF2PAK2 (9" x 9")	2.5" & 3"	Floor	Side	264
	2.5" & 3"	Wall	Bottom	224

MODEL NUMBER	SIZE	COVER OPEN AREA SQ. IN.	1.5 FT/SEC. FLOW RATE GPM	CARTON QTY.	CARTON WEIGHT
REPLACEMENT COVER & INNER FRAME					
WGX1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WGX1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WGX1033BHF2	18" x 18"	124.1	580	10	39 lbs.
COVER, INNER FRAME & OUTER FRAME (2 PER PACK)					
WGX1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WGX1032HF22PAK2	12" x 12"	41.07	192	4	30 lbs.
WGX1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
3" SUCTION OUTLET SUMP WITH COVER (2 PER PACK)					
WGX1036HF2PAK2	9" x 9"	23.96	112	1	6 lbs.

Review expiration dates of current VGB-compliant installed drain covers

HIGH-FLOW DRAIN COVERS AND FRAMES MAXIMUM ALLOWABLE FLOW RATES

PORT SIZE	PORT LOCATION AND SUMP LOCATION	APPROVED FLOW GPM
2"	Side Port Floor-Mounted	116
2"	Bottom Port Floor-Mounted	123
2"	Side Port Wall-Mounted	66
2"	Bottom Port Wall-Mounted	59
1 1/2"	Side Port Floor-Mounted	107
1 1/2"	Bottom Port Floor-Mounted	122
1 1/2"	Side Port Wall-Mounted	72
1 1/2"	Bottom Port Wall-Mounted	64

RDX UNBLOCKABLE DRAIN

Paramount® continues to lead in drain technology with the RDX™ Unblockable Drain. This cutting-edge advancement in drain safety is VBG complaint, invisible and unblockable. The RDX combines safety and high flow in a single outlet, ensuring the swift and effective removal of debris. Compatible with concrete finishes, it is easy to install with less plumbing than conventional drains and blends seamlessly into the pool floor.

- **Full fill center** – reduces the risk of cracking, enabling a solid fill throughout.
- **Adjustable plumbing –** includes 4" rotatable elbows for easy alignment.
- **Flexible installation –** offers 2.5" Of vertical adjustment and can be angled up to 1". Compatible with concrete finishes.
- **Easy to service –** removeable covers for quick access.
- **Available in 4 designer colors –** white, black, dark grey, light grey.
- **True debris mitigation –** large capacity sump eliminates plugged drains and collects large debris.
- **Vgb compliant design –**protects against hair, limb, body and mechanical entrapment. IAPMO certified and listed for single drain use.
- **2" Port for hydrostatic valve–** included on lower sump.

RDX UNBLOCKABLE DRAIN (One upper and one lower required)

LINE	ITEM TYPE	PART NUMBER	DESCRIPTION	FLOW RATE	LOCATION	PORT SIZE	CARTON DIMENSIONS	CARTON WEIGHT
RDX 300	Sump	404200935000	Lower Sump	1.58 FT/S @ 300GPM, 1.50 FT/S @ 284GPM	Pool Floor	3" or 4" SLIP	24.1 x 24.1 x 21.0	41 lbs.
	Upper Color Options (Pick 1)	404200925001	Upper Conc. US White				23.3 x 23.3 x 4.6	10 lbs.
		404200925002	Upper Conc. US Gray				23.3 x 23.3 x 4.6	10 lbs.
		404200925003	Upper Conc. US Black				23.3 x 23.3 x 4.6	10 lbs.
		404200925008	Upper Conc. US Light Gray				23.3 x 23.3 x 4.6	10 lbs.
RDX 200	Sump	404200930000	Lower Sump	1.06 FT/S @ 200GPM	Pool Floor	3" or 4" SLIP	24.0 x 24.0 x 15.9	30 lbs.
	Upper Color Options (Pick 1)	404200920001	Upper Conc. US White				23.3 x 23.3 x 4.6	10 lbs.
		404200920002	Upper Conc. US Gray				23.3 x 23.3 x 4.6	10 lbs.
		404200920003	Upper Conc. US Black				23.3 x 23.3 x 4.6	10 lbs.
		404200920008	Upper Conc. US Light Gray				23.3 x 23.3 x 4.6	10 lbs.

RDX REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	EXPIRATION
5052004000XX	Fillable Pebble Top Access Covers (x2)	5 years
5052005000XX	Non-fillable Solid Top Access Covers (x2)	5 years

SKIMMASTER® SERIES SKIMMERS

Our SkimMaster Series is a non-corrosive, large capacity automatic surface skimmer featuring a round, tamper-proof access cover, self-adjusting 8-inch weir with stainless steel spring for added strength, dual outlets and threaded internal connections for pressure testing. The optional float/bypass valve provides a suction outlet through skimmer system and an automatic pump bypass for low water conditions. No glue is used in manufacturing, ensuring maximum strength and longevity.

- **Adjustable deck collar** and access cover
- **Large debris basket** and multiple plumbing connections for easier connections
- **Automatic bypass** for low water conditions

PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	MAX GPM
HCWG1072C	NSF 50 Listed SKIMMASTER Gunite Skimmer 2"x2.5" Socket 4.5" Throat	1	8.0	55 (2")-75(2.5")
ACCESSORIES				
SP1070P	Extension Collar for 1070 Skimmers			
SPX1070E	Replacement Basket			
SPX1071K	Replacement Weir			
WGX1070C	NSF Replacement Lid for SP1070 & SP1072			
SPX1053Z1	Skimmer Plug			
SP1070BOND	Water Bond			

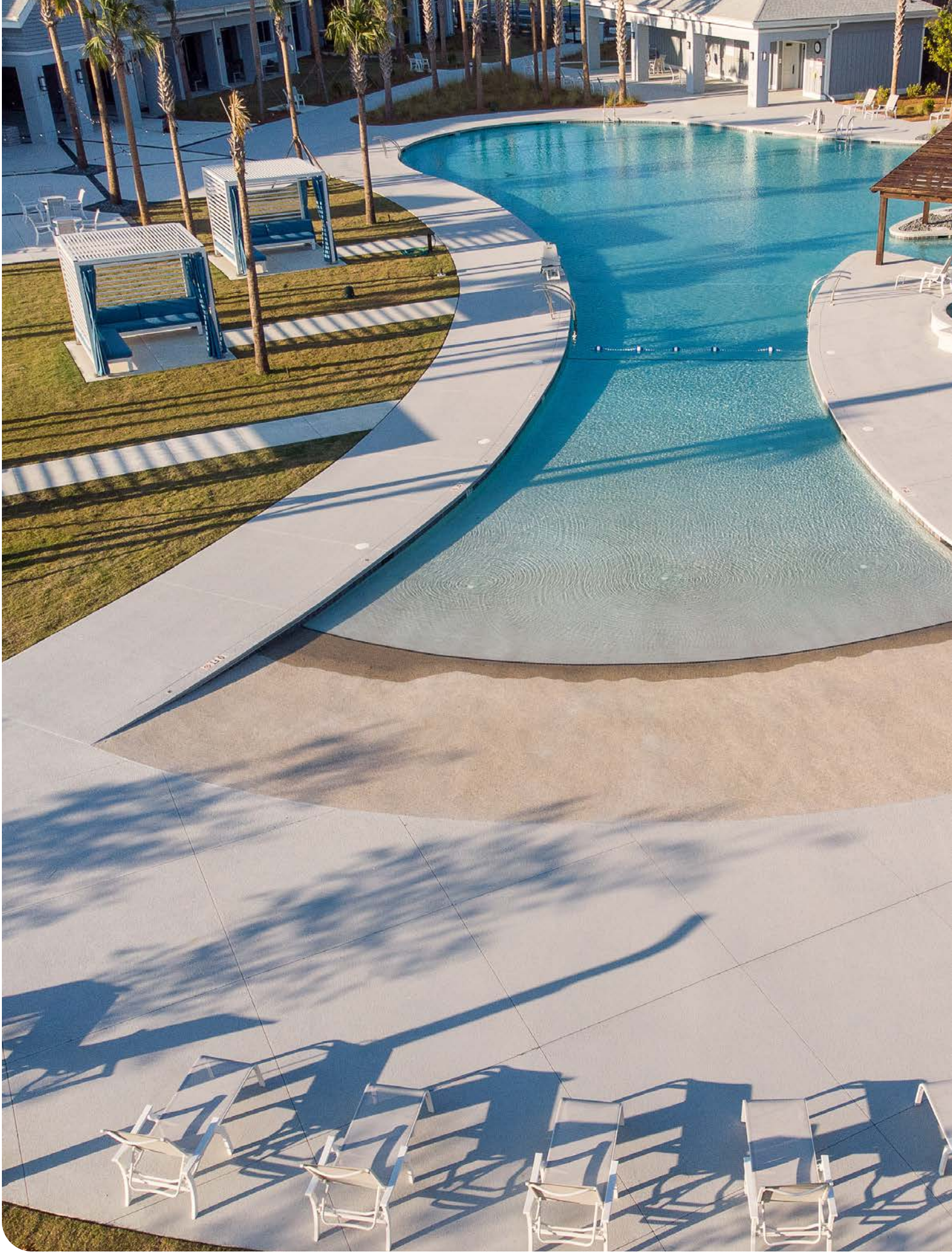
AUTOSKIM™ SERIES SKIMMERS

Our AutoSkim Series skimmers are designed for demanding commercial and residential applications providing precision, large capacity and automatic surface skimming. They are molded from noncorrosive, nonconductive ABS material.

- **Optional** float/bypass valve
- **Stackable notched extension collar** allows infinite vertical adjustment
- **NSF Certified** (approved when used with commercial cover and equalizer)

POOL TYPE	PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	1.5" GPM	2" GPM
AutoSkim Gunite Series	WG1082SFVE	NSF 50 Listed AutoSkim Square Skimmer 2" Gunite Socket	1	8.0	36	55
AutoSkim Fiberglass/Vinyl Series	WG1084SFVE	NSF 50 Lid (White), Float Valve and Equalizer Valve	1	8.0	36	55
ACCESSORIES						
SP1084P1	Extension Collar for SP1080 Skimmers					
SPX1082CA	Replacement Basket					
SPX1082	Replacement Weir					
WGX1082E	NSF Replacement Lid for SP1080					
SPX1053Z1	Skimmer Plug					

NOTE: Hayward® recommends additionally adding the float valve and equalizer kit for commercial applications.
*Available in Dark Gray. Add suffix DGR to model number.
**Available in Dark Gray. To order Dark Gray, add suffix DGR to part number. The "R" designation indicates round collar and cover assembly.
***This part number must be ordered with any of the part numbers above to ensure it is NSF Certified.
****With Float and Equalizer Valves. NSF-Approved Lids.



2026 COMMERCIAL WARRANTY TERMS

Warranty applies only to products that were purchased from Hayward or Hayward authorized sellers. Hayward reserves the right to reject warranty claims for any product purchased from unauthorized sellers, including unauthorized Internet sites.

PRODUCTS	2026-2025		2024		2023	
	PARTS	FIELD LABOR	PARTS	FIELD LABOR	PARTS	FIELD LABOR
Pumps						
HCP 4000 Pumps	1 Year*		1 Year*		1 Year*	
HCP 3000 Pumps	3 Years**		3 Years*	1 Year*	3 Years*	1 Year*
HCP 3000 Pumps (VSP Model)	3 Years**		3 Years**		3 Years**	
HCP 2500 Pumps (TriStar® VS C)	3 Years**		3 Years**		3 Years**	
HCP 2000 Pumps (3 Phase)	3 Years		3 Years*		3 Years*	
HCP 2000 Pumps (Single Phase)	3 Years		1 Year*		1 Year*	
	*2 years when paired with a HCP Variable Frequency Drive.		*Pump/motor failures may be repaired or exchanged across the counter in first year.			
	**Warranty is 4 years parts and labor when installed on a residential application. Seals and O-Rings, for all pumps, are covered for manufacturing defects only, which normally appear within 30 days or less of installation.					
HCP Variable Frequency Drive	1 Year*		1 Year*		1 Year*	
	*2 years when installed with a Hayward pump.					
Filters						
HCF Commercial Sand Filters *(HCF230C, 234C, 236C, 336C, 342C, 348C, 455C, 663C)*	5 Years*	1 Year	5 Years*	1 Year	5 Years*	1 Year
HCF Cartridge Filter *(HCF7030C)*	3 Years*	1 Year	3 Years*	1 Year	3 Years*	1 Year
HCF Filter Accessories *(Multiport Valve Kits: HCV2575C, 275, 275C, 375, 375C, 375KIT, 475C)*	1 Year**	None	1 Year**	None	1 Year**	None
	*Failures directly to the tank body will be allowed for across the counter exchange. All other components field repair. **Multiport Valves are covered for factory defects only.					
Gas Heaters						
Universal H-series ASME Heater	3 Years		3 Years		3 Years	
Chlorine generator & uvo$_3$ systems						
Saline C® 2.0 Salt Chlorine Generator	2 Years*	None	N/A		N/A	
Saline C® 6.0 & 11.0 Salt Chlorine Generators			2 Years*	None	2 Years**	None
	*Salt cells carry an 18 month parts warranty.					
HydroRite UVPVC *(HYR150, 150L4, 400, 400L4, 75, 75L4)*	1 Year*	None	1 Year*	None	1 Year*	None
	*UV lamps, UV sensor, quartz sleeves and stainless steel sleeves are covered for 6 months only.					
	PARTS	IN-STORE LABOR	PARTS	IN-STORE LABOR	PARTS	IN-STORE LABOR
Robotic Cleaners						
All Robotic Electric Cleaners	2 Years*		2 Years*		2 Years*	
	*Filters excluded					

For the most up to date warranty information please visit: hayward.com/support/resources/warranty.
Hayward reserves the right to change warranty terms at their discretion

Warranty transfers as follows: Commercial warranty is transferable assuming product is professionally installed and is in its original location.

2026 COMMERCIAL WARRANTY TERMS (CONT.)

Warranty applies only to products that were purchased from Hayward or Hayward authorized sellers. Hayward reserves the right to reject warranty claims for any product purchased from unauthorized sellers, including unauthorized Internet sites.

PRODUCTS	2026-2025		2024		2023	
	PARTS	FACTORY LABOR	PARTS	FACTORY LABOR	PARTS	FACTORY LABOR
Chemistry Controllers						
CAT® Series Automated Chemistry Controllers	5 Years*		5 Years*		5 Years*	
HCC Series Automated Chemistry Controllers	3 Years**		1 Year		1 Year	

*Flow switches, fittings, accessories, and wearable items are limited to 1 year from the date of install. pH and ORP probes/sensors limited to 26 months from date of install.

**Flow switches, fittings, accessories, wearable items, and pH and ORP probes/sensors limited to 1 year from date of install.

Sensor Serial Number First character = month, and Second character = year. (Example, C9 = March 2009 manufacture date.)

	PARTS	FIELD LABOR	PARTS	FIELD LABOR	PARTS	FIELD LABOR
Misc. commercial products						
CrystaLogic® & ColorLogic® LED Lighting	3 Years	1 Year	2 Years	None	1 Year	None
PureWhite® & ColorSplash® LED Pool & Spa	3 Years	1 Year	2 Years	None	1 Year	None
Flow Control	1 Year	None	1 Year	None	1 Year	None
White Goods *(Skimmers and Suction outlets)*	1 Year	None	1 Year	None	1 Year	None
Water Features *(Deck Jet, Bubbler, Sheer, LED WaterBowls)*	1 Year	None	1 Year	None	1 Year	None

Additional warranty terms and exclusions apply. Residential products (excluding heat pumps) installed on Commercial applications will receive limited warranty coverage. Please see operations manuals for complete details.

Discover the Hayward Commercial Aquatics-Try it, Spec it, Love it Program

CAT CONTROLLERS®

HYDRORITE® UV DISINFECTION SYSTEM

HCP SERIES PUMPS

SALINE C® SALT CHLORINE GENERATORS

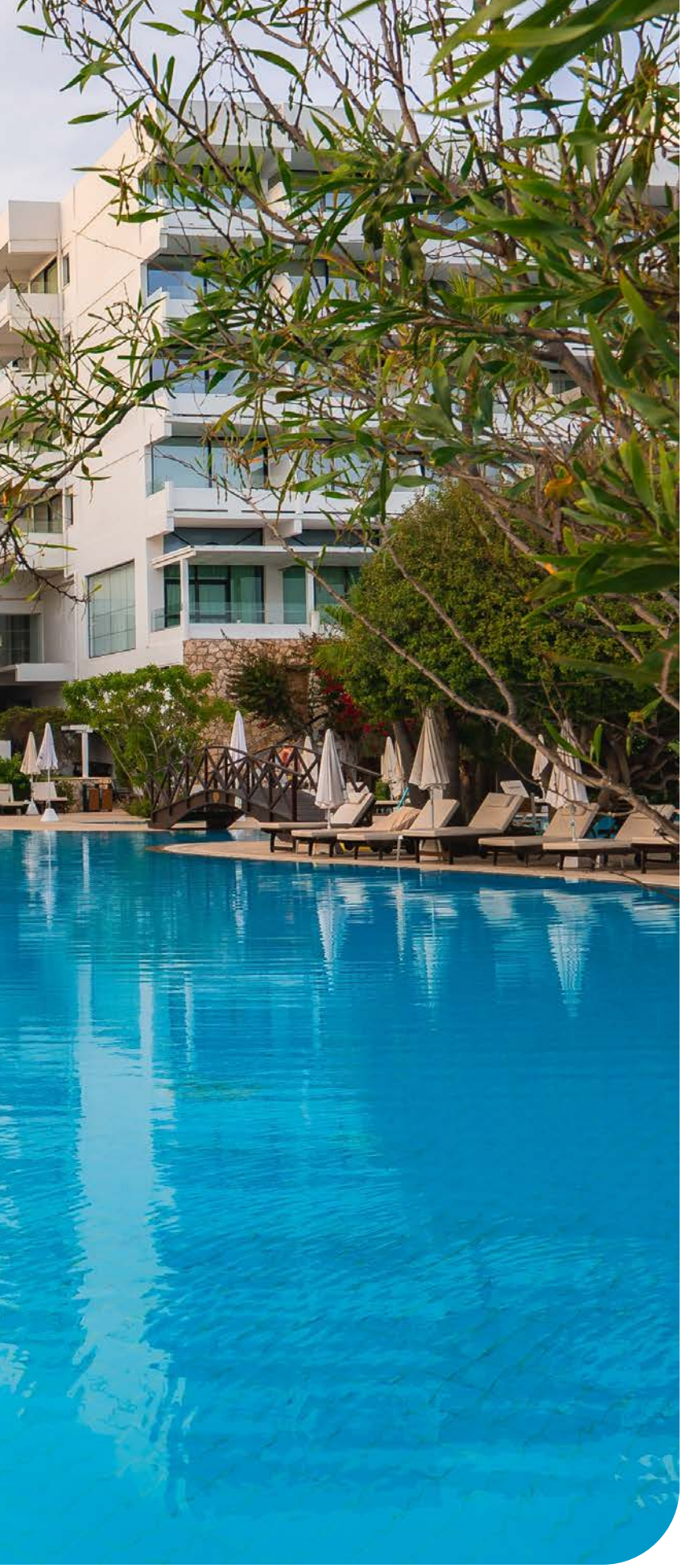
HCP SERIES VARIABLE FREQUENCY DRIVE

HEATERS

HCF SAND FILTERS

EASY TO INSTALL. EASY TO SELL. EASY TO LOVE.

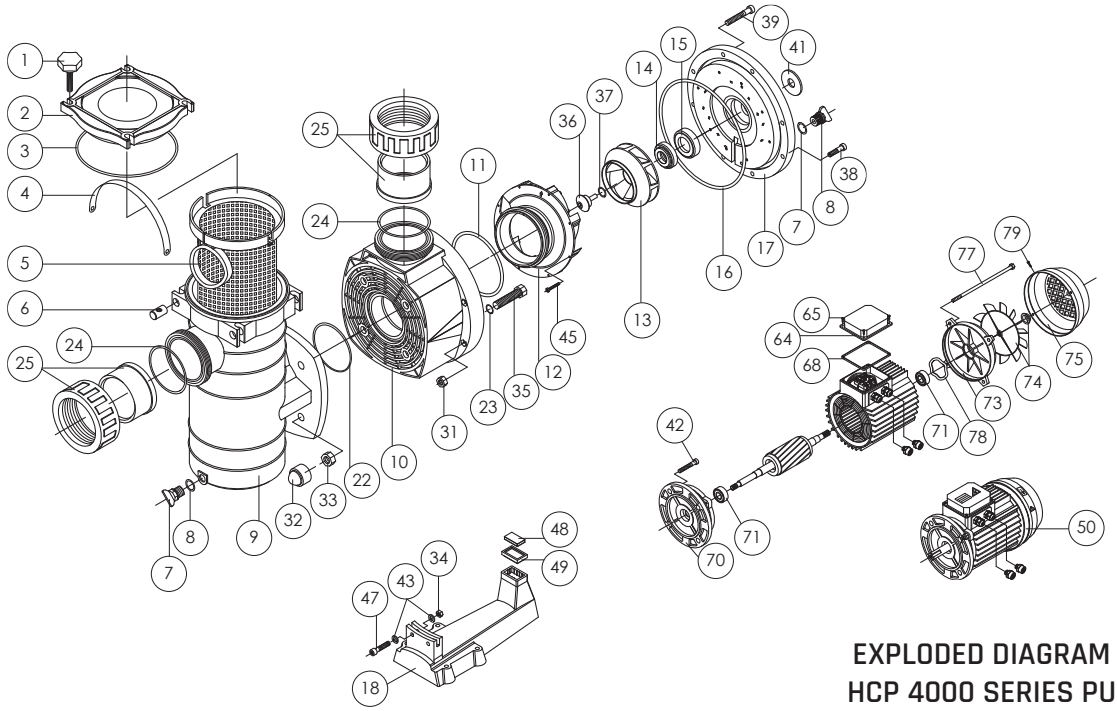
Hayward Commercial Aquatics products are expertly designed for ease of specification, installation and industry-leading energy efficiency. Through our Try it, Spec it, Love it Program, you can experience the Hayward difference firsthand when you try out one or any number of products from our extensive lineup at a significant savings. Staying on the cutting edge of advanced, innovative and efficient solutions for commercial pools and spas has never been easier—or more affordable.



Replacement Parts

262 Commercial Pumps
267 Commercial Sand Filters
271 Commercial Cartridge Filters
272 Commercial Automation
273 Commercial Sanitization
275 Commercial Heaters
282 Commercial Cleaners
284 Commercial Flow Control
288 CAT Controllers

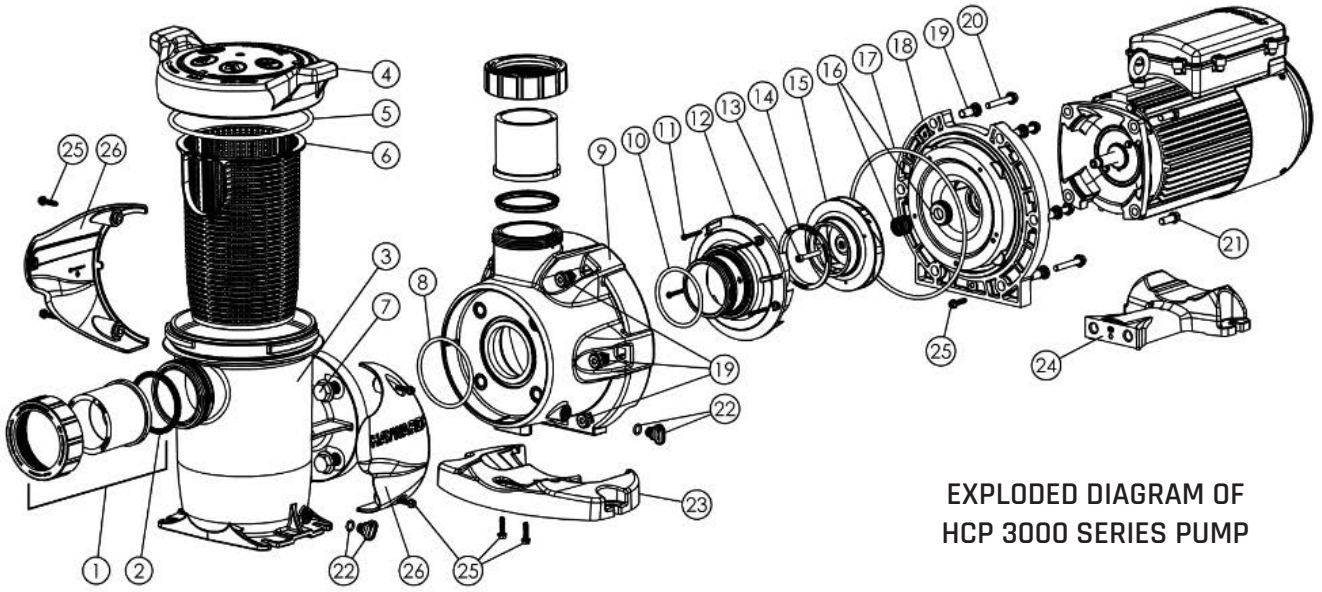
Commercial Pumps



EXPLODED DIAGRAM OF
HCP 4000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES					
HCXP6000A	Lid Bolt Set	0610377136143	Cover Screw Pin	1 6	1
HCXP6001A	Pump Lid	0610377136150	Pump Lid Pump Lid & O-Ring	2 3	1
HCXP6002A	Filter Basket	0610377136167	Filter Basket Handle	5 4	1
HCXP6004A	Seal Set	0610377136181	Diffuser Gasket Seal - spring Seal - ceramic Flange O-Ring Impeller O-Ring	11 14 15 16 37	1
HCXP6005A	Diffuser (HCP55/HCP75)	0610377136198	Diffuser 501/751 Screw DIN 7985 M3-45	12 45	1
HCXP6006A	Diffuser (HCP100/HCP125)	0610377136204	Diffuser 1001/1251 Screw DIN 7985 M3-45	12 45	1
HCXP6007A	Impeller HCP55	0610377136211	Impeller 501 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6008A	Impeller HCP75	0610377136228	Impeller 751 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6009A	Impeller HCP100	0610377136235	Impeller 1001 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6010A	Impeller HCP125	0610377136242	Impeller 1251 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1

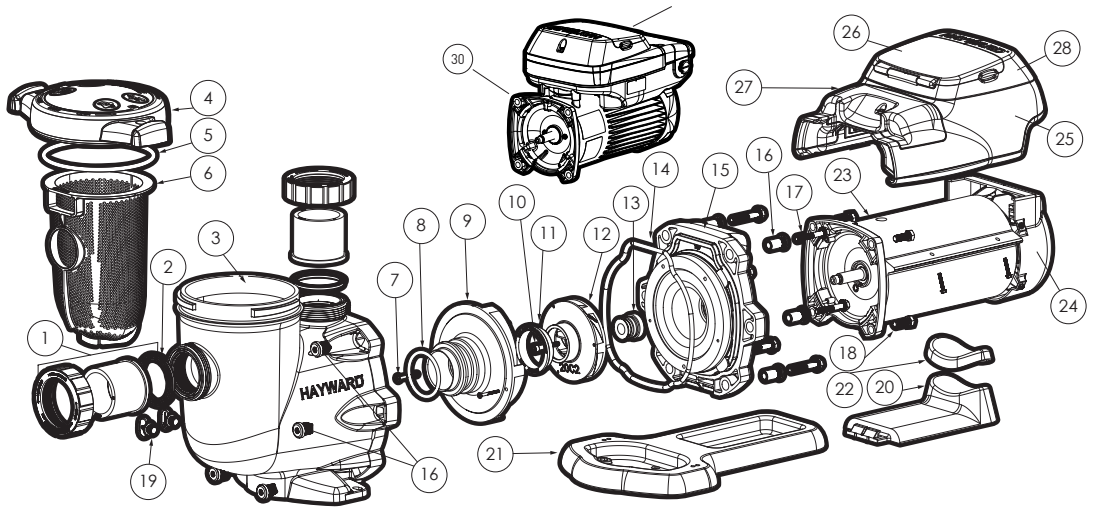
PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES, CONTINUED					
HCXP6012A	Pump Support	0610377136266	Pump Support Rubber Pad Supplement	18 48 49	1
HCXP6013A	Drain Plug Set	0610377136273	Drain Drain O-Ring	7 8	1
HCXP6014A	Pump Lid O-Ring	0610377136280	Pump Lid O-Ring	3	1
HCXP6017A	Seal Plate	0610377136310	Plastic Flange	17	1
HCXP6018A	Seal Plate Screw Set	0610377136327	Nut DIN 934 M10 Screw DIN 912 M10 x 30 Screw DIN 912 M10 x 130	31 38 39	1
HCXP6019A	Union Connection Set (Qty of 2)	0610377136334	O-Ring Tail Piece & Nut	24 25	1
HCXP6021A	Pump Casing Bolts (Qty of 4)	0610377136358	Screw DIN 933 M16 x 40 Nut DIN 934 M16 O-Ring 16 x 3 Cover Screw	10 33 23 32	1
HCXP6022A	Pump Strainer Body	0610377136365	Filter Basket Body O-Ring Pump Casing 124 x 4	9 22	1
HCXP6023A	Pump Support Bolt Set	0610377136372	Screw DIN 912 M8 x 40 Washer DIN 125 M8 Nut DIN 934 M8	47 43 34	1
HCXP6025A	Strain Body O-Ring	0610377209793	O-Ring Pump Casing 124 x 4	22	1
HCXP55MOTOR	HCP55 Motor	0610377136396	Motor 60Hz HCP 55	50	1
HCXP75MOTOR	HCP75 Motor	0610377136402	Motor 60Hz HCP 75	50	1
HCXP100MOTOR	HCP100 Motor	0610377136419	Motor 60Hz HCP 100	50	1
HCXP125MOTOR	HCP125 Motor	0610377136426	Motor 60Hz HCP 125	50	1
HCXP6050A	Bearings Set - HCP55	0610377136433	Bearing HCP 55	71	1
HCXP6051A	Bearings Set - HCP75/100/125	0610377136440	Bearing HCP 75/100/125	71	1
HCXP6066A	Fan Cover - HCP75/100/125	0610377136501	Fan Cover for HCP 75/100/125 - 60Hz Fan Cover Screw	75 79	1



EXPLODED DIAGRAM OF
HCP 3000 SERIES PUMP

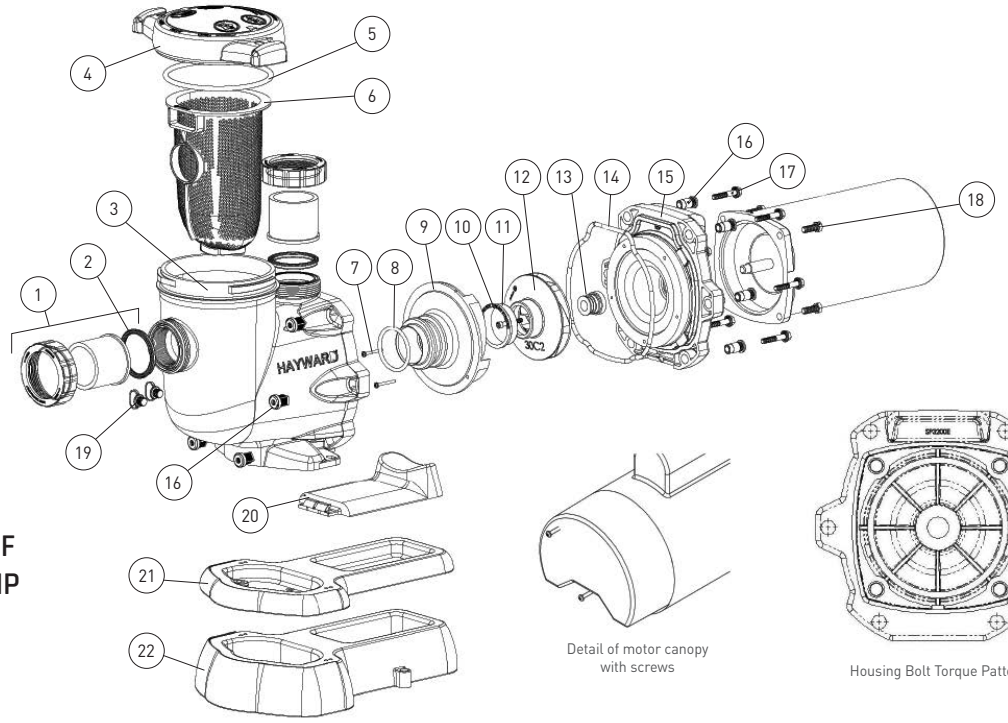
PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 3000 SERIES				
HCXP3000UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 each)	0610377341257	1	1
HCXP3000UG	Union Gasket	0610377341295	2	—
HCXP3000H	Strainer Housing with Drain Plug	0610377341325	3	1
HCXP3000DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	0610377341356	4	5
SPX4000S	Strainer Cover O-Ring	0610377079242	5	50
HCXP3000M	Strainer Basket	0610377341448	6	1
HCXP343V70	Strainer Housing Flange O-Ring	0610377341509	8	10
HCXP3000A	Pump Housing w/Drain Plug (Power Assembly Required VSP)	0610377341547	9	1
HCXP338V60	Diffuser O-Ring	0610377341561	10	10
HCXP3000B	Diffuser, 2 - 5 HP	0610377341608	12	1
HCXP3000B2	Diffuser, 7 HP	0610377341622	12	1
SPX3200Z1	Impeller Screw	0610377912013	13	50
HCXP3000R	Impeller Ring, 2 - 5 HP	0610377341684	14	10
HCXP3001R	Impeller Ring, 7 HP	0610377341691	14	10
HCXP3020C	2 HP Impeller with Impeller Screw	0610377341714	15	10
HCXP3030C	3 HP Impeller with Impeller Screw	0610377341660	15	10
HCXP3050C	5 HP Impeller with Impeller Screw	0610377341615	15	10
HCXP3070C	7 HP Impeller with Impeller Screw	0610377341592	15	10
SPX4000SAV	Shaft Seal Assembly	0610377330459	16	10
HCXP369V70	Pump Housing O-Ring	0610377341578	17	10
HCXP3000E	Seal Plate	0610377341554	18	1
HCXP3020Z1VSPE	VSP power end 2.7 HP	0610377383349	—	1
HCP3020VSP	TriStarXL	610377292641	–	[1]
HCXP3020Z1D	Motor, 2 HP, Three-Phase 208-230/460V	0610377341400	—	1
HCXP3030Z1D	Motor, 3 HP, Three-Phase 208-230/460V	0610377341363	—	1
HCXP3050Z1M	Motor, 5 HP, Single-Phase 208-230V	0610377341349	—	1
HCXP3050Z1D	Motor, 5 HP, Three-Phase 208-230/460V	0610377341332	—	1
HCXP3075Z1D	Motor, 7 HP, Three-Phase 208-230/460V	0610377341318	—	1
SPX4000FG	Drain Plug And Gasket			

EXPLODED DIAGRAM OF HCP 2500 SERIES (TRISTAR® VS C) AND HCP3400VSP PUMP

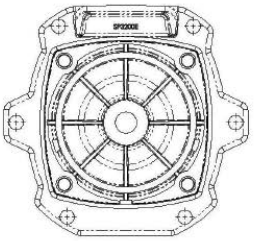


PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2500 SERIES (TRISTAR® VS C) AND HCP3400VSP				
SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket) (Qty of 2)	0610377912068	1	1
SPX3200UG	Union Gasket, 50D EPDM (Qty of 2)	0610377912075	2	1
SPX3200A	Pump Strainer Housing, 2" x 2-1/2" w/Drain Plugs, Threaded Style	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	0610377911948	4	10
SPX3200S	Strainer Cover O-Ring (New Power Assembly Required)	0610377911993	5	10
SPX3200M	Strainer Basket	0610377911979	6	15
SPX3200Z8	Diffuser Screw (5 Pack)	0610377912051	7	1
SPX4000Z1	Diffuser O-Ring	0610377563666	8	10
SPX3200B3	Diffuser	0610377911924	9	1
SPX3200Z1	Impeller Screw	0610377912013	10	1
SPX3021R	Impeller Ring	0610377041393	11	1
SPX3220C	Impeller with Impeller Screw	0610377912129	12	10
SPX3200SA	Shaft Seal Assembly	0610377013123	13	10
SPX3200T	Housing O-Ring	0610377912006	14	10
SPX3200E	Seal Plate	0610377911955	15	1
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	0610377912020	16	1
SPX3200Z3	Housing Bolt	0610377912037	17	10
SPX4000FG	Drain Plug w/O-Ring	0610377551908	19	10
SPX3200GA	Bracket, Motor Support	0610377911962	20	1
SPX3200WF	Riser Base, Pentair® WhisperFlo®	0610377032605	21	1
SPX3200SR	Riser Base, Sta-Rite® Max-E-Pro,™ Max-E-Glas,® Dura-Glas® and Dura-Glas II®	0610377032674	21	1
SPX3200Q	Adapter-Motor Support	0610377134408	22	10
SPX3400Z1ECM	Motor Assembly for HCP3400VSP	0610377134453	23	1
SPX3400FAN	Motor Fan Shroud	0610377134507	24	5
SPX3400DR4	Motor Drive Display Cover, Black	0610377134415	26	5
SPX3400DR2	Motor Drive Wiring Cover	0610377134422	27	5
HCXP3400LCD	Digital Control Interface Assembly	0610377141079	28	1
SPX3200LCD	Digital Control Interface Assembly (HCP2500VSP)	0610377240741	29	1
SPX3400DRKIT	Wall Mount Kit	0610377135474	—	5
SPX3206Z1VSPE	Power End Assembly For HCP2500VSP (Includes Items #7-17, 20, 22, 29, 30)	0610377383332	—	1

EXPLODED DIAGRAM OF HCP 2000 SERIES PUMP



Detail of motor canopy with screws



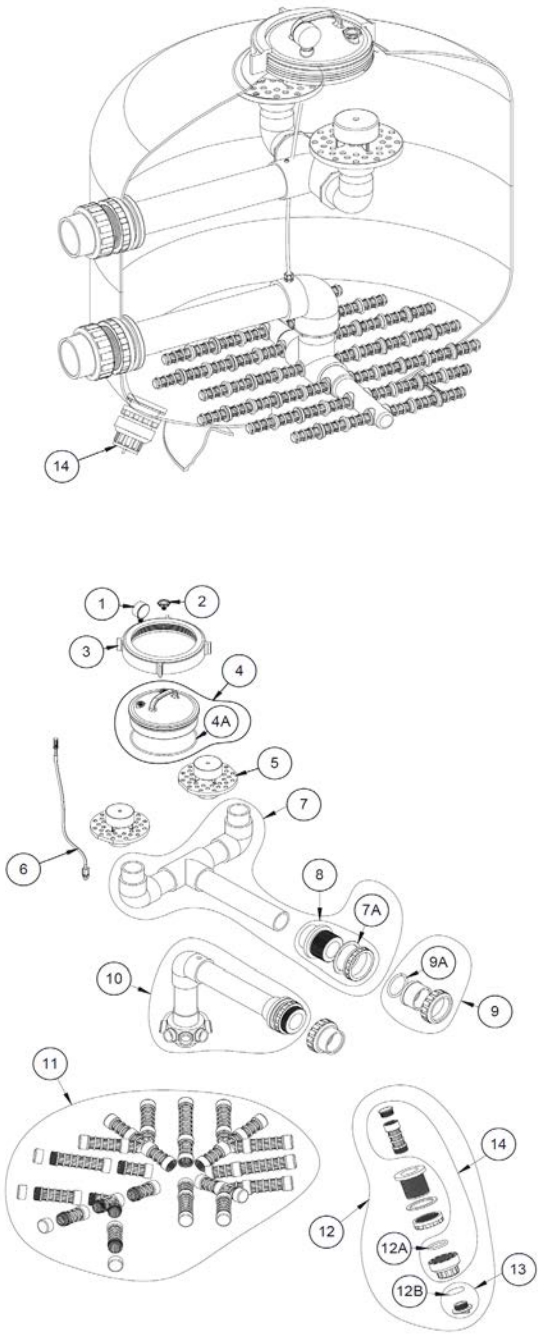
Housing Bolt Torque Pattern

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2000 SERIES (TRISTAR®) PUMP				
SPX3200UNKIT	Union Connector Kit	0610377912068	1	10
SPX3200UG	Union Gasket	0610377912075	2	100
SPX3200A	Pump Strainer Housing	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit	0610377911948	4	10
SPX3200S	Strainer Cover O-Ring	0610377911993	5	50
SPX3200M	Strainer Basket	0610377911979	6	2
SPX3200Z8	Diffuser Screw (5 Pack)	0610377912051	7	50
SPX4000Z1	Diffuser O-Ring	0610377563666	8	50
SPX3200B3	Diffuser	0610377911924	9	5
SPX3200Z1	Impeller Screw	0610377912013	10	50
SPX3021R	Impeller Ring	0610377041393	11	50
SPX3205C	Impeller for 1/2 HP with Impeller Screw	0610377006187	12	10
SPX3207CM	Impeller for 3/4 HP with Impeller Screw	0610377013406	12	10
SPX3210C	Impeller for 1 HP with Impeller Screw (Full Rate)	0610377912105	12	10
SPX3215C	Impeller for 1½ HP with Impeller Screw	0610377912112	12	10
SPX3220C	Impeller for 2 HP with Impeller Screw (Full Rate)	0610377912129	12	10
SPX3230C	Impeller for 3 HP with Impeller Screw	0610377912136	12	10
SPX3230C5	Impeller for 5 HP with Impeller Screw	0610377019187	12	10
SPX3200SA	Shaft Seal Assembly	0610377013123	13	10
SPX3200T	Housing O-Ring	0610377912006	14	50
SPX3200E	Seal Plate	0610377911955	15	5
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	0610377912020	16	50
SPX3200Z3	Housing Bolt	0610377912037	17	50
SPX4000FG	Drain Plug with O-Ring	0610377551908	19	50
SPX3200GA	Bracket, Motor Support, TriStar	0610377911962	20	5
SPX3200WF	Base, Short Riser, TriStar	0610377032605	21*	1
SPX3200SR	Base, Tall Riser, TriStar	0610377032674	22*	1

*STA-RITE is a registered trademark of Sta-Rite Industries, Inc. and WHISPERFLO is a registered trademark of Pentair Water Pool & Spa, Inc., which are used herein for identification purposes only. These are retrofit bases for existing STA-RITE and WHISPERFLO pump installations. Sta-Rite Industries, Inc. and Pentair Water Pool & Spa, Inc. are not affiliated with Hayward Pool Products ®.

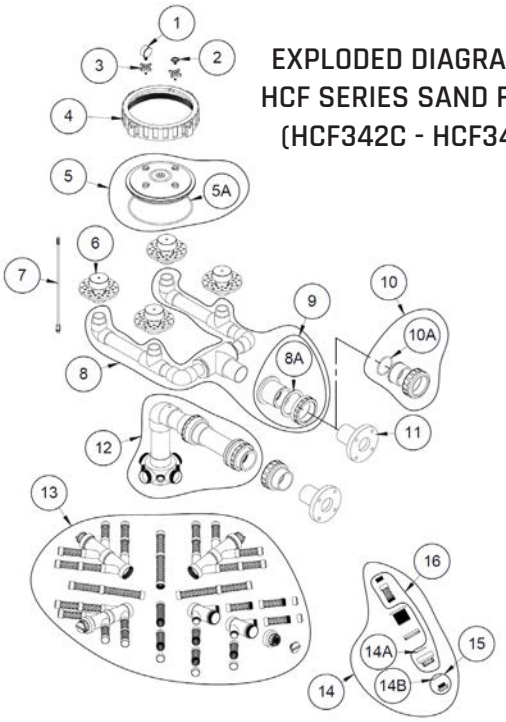
Commercial Sand Filters

CURRENT EXPLODED DIAGRAM OF HCF SERIES SAND FILTER (HCF230C - HCF336C)



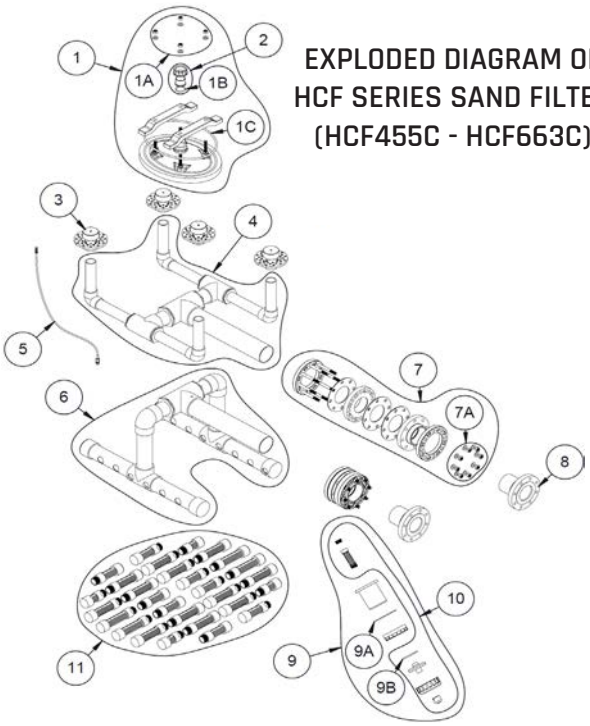
PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF230C - HCF336C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWLR003	Top Lid Locking Ring	3
HCXFWLIDKIT004	8" Clear Lid & O-Ring Kit	4
HCXFWLOR004A	8" Clear Lid O-Ring	4A
HCXFWDIF005	2" Diffusor Hydrodome	5
HCXFWVTKIT006	Vent Tube Kit	6
HCXFW2DIS007	HCF230C - 2" Distributor Assy	7
HCXFW2DIS107	HCF234C - 2" Distributor Assy	7
HCXFW2DIS207	HCF236C - 2" Distributor Assy	7
HCXFW2DIS307	HCF336C - 3" Distributor Assy	7
HCXFW2BHG007A	2" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG207A	2.5" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHK008	2" Bulkhead Kit	8
HCXFW2BHK208	2.5" Bulkhead Kit	8
HCXFW2BHK308	3" Bulkhead Kit	8
HCXFW2UNAD009	2" Union Half Adapter	9
HCXFW2UNAD209	2.5" Union Half Adapter	9
HCXFW2UNAD309	3" Union Half Adapter	9
HCXFW2UNAOR009A	2" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR209A	2.5" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	9A
HCXFW2COL010	HCF230C - 2" Collector Assy	10
HCXFW2COL110	HCF234C - 2" Collector Assy	10
HCXFW2COL210	HCF236C - 2.5" Collector Assy	10
HCXFW2COL310	HCF336C - 3" Collector Assy	10
HCXFWLATKIT011	HCF230C - Lateral Kit	11
HCXFWLATKIT111	HCF234C - Lateral Kit	11
HCXFWLATKIT211	HCF236C - Lateral Kit	11
HCXFWLATKIT311	HCF336C - Lateral Kit	11
HCXFWDPA012	1.5" Drain Port Assy	12
HCXFWDPOR012A	Media Drain Cap O-Ring	12A
HCXFWDPOR012B	Water Drain Plug O-Ring	12B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	13
HCXFWDPCKIT014	Water Drain Cap & O-Ring Kit	14

EXPLODED DIAGRAM OF HCF SERIES SAND FILTER (HCF342C - HCF348C)

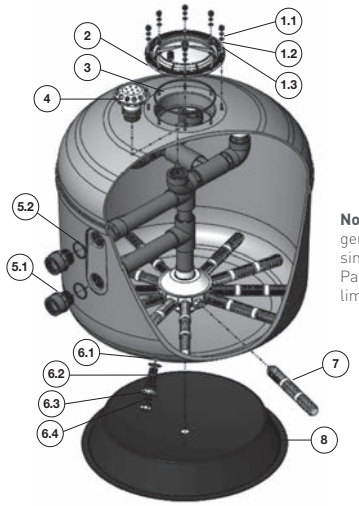


PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF342C - HCF348C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWKNOB3	Knob for Clear 12" Lid	3
HCXFWLR004	12" Filter Lock Ring	4
HCXFWLIDKIT005	12" Lid Kit	5
HCXFWLOR005A	12" Lid O-Ring	5A
HCXFWDIF005	2" Diffusor Hydrodome	6
HCXFWVTKIT006	Vent Tube Kit	7
HCXFW3DIS008	HCF342C - 3" Distributor Assy	8
HCXFW3DIS108	HCF348C - 3" Distributor Assy	8
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	8A
HCXFW2BHK308	3" Bulkhead Kit	9
HCXFW2UNAD309	3" Union Half Adapter	10
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	10A
HCXFW3FLGFPASSY	3" Flange Fipt & Pipe Mipt Assy	11
HCXFW3COL012	HCF342C - 3" Collector Assy	12
HCXFW3COL112	HCF348C - 3" Collector Assy	12
HCXFWLATKIT013	HCF342C - Lateral Kit	13A
HCXFWLATKIT113	HCF348C - Lateral Kit	13B
HCXFWDPA012	1.5" Drain Port Assy	14
HCXFWDPOR012A	Media Drain Cap O-Ring	14A
HCXFWDPOR012B	Water Drain Plug O-Ring	14B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	15
HCXFWDPCKIT014	Media Drain Cap & O-Ring Kit	16

EXPLODED DIAGRAM OF HCF SERIES SAND FILTER (HCF455C - HCF663C)

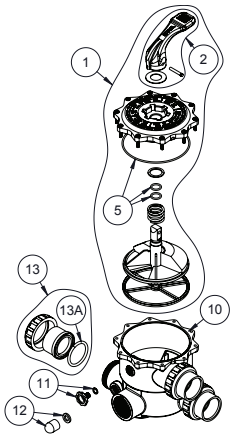


PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF445C - HCF663C)		
HCXFWARV003	External Air Relief	
HCXFWLIDKIT001	Complete Lid Assy	1
HCXFW1216HDWR	Lid Nut & Washer Kit	1A
HCXFWDPOR012A	1.5" Union O-Ring	1B
HCXFWLOR001C	Filter Lid O-Ring	1C
HCXFW3UNAD002	1.5" Union Half Adapter	2
HCXFWDIF005	2" Diffusor Hydrodome	3
HCXFW4DIS004	HCF455C - 4" Distributor Assy	4
HCXFW6DIS004	HCF663C - 6" Distributor Assy	4
HCXFWVTKIT005	Vent Tube Kit	5
HCXFW4COL006	HCF455C - 4" Collector Assy	6
HCXFW6COL006	HCF663C - 6" Collector Assy	6
HCXFWPA4007	4" Port Assembly	7
HCXFWPA6007	6" Port Assembly	7
HCXFWPANW4007A	4" Port Assy Nut & Washer Kit	7A
HCXFWPANW6007A	6" Port Assy Nut & Washer Kit	7A
HCXFW4FLGFPASSY	4" Flange Fipt & Pipe Mipt Assy	8
HCXFW6FLGFPASSY	6" Flange Fipt & Pipe Mipt Assy	8
HCXFWDPA009	3" Drain Port Assy	9
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	9A
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	9B
HCXFWDPCKIT010	Media Drain Cap Kit	10
HCXFWLATKIT511	HCF455C - Lateral Kit	11
HCXFWLATKIT	HCF663C Lateral Kit	1

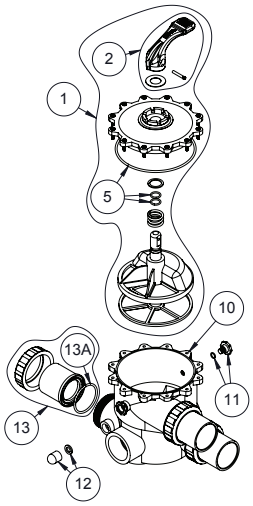


Note: Items for old HCF generation, which have since been discontinued. Parts available for limited time.

EXPLODED DIAGRAM OF HCF GEN 3 SERIES SAND FILTER (HCF230, HCF234, HCF236)

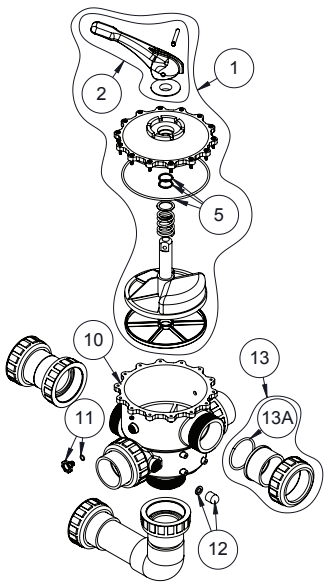


EXPLODED DIAGRAM OF HCV SERIES 2" (HCV275C)

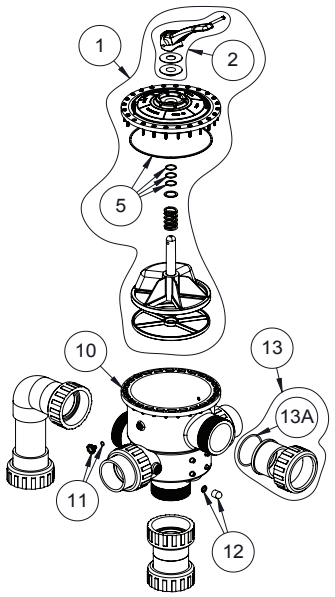


EXPLODED DIAGRAM OF HCV SERIES 2.5" (HCV2575C)

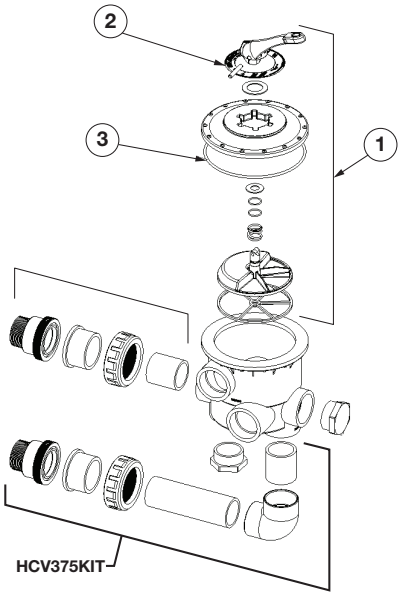
PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF230, 234, 236) (**NOTE:** COMPLETE FILTERS DISCONTINUED IN 2021 - PART AVAILABLE FOR LIMITED TIME)		
HCXFMCH1000	Lid Hardware Kit (Contains 8 sets per kit)	1.1, 1.2, 1.3
HCXFMCL1000	Polycarbonate Manway Cover & Lid O-Ring Kit (O-Ring HCXFMCG1000)	2
HCXFMCG1000	Manway Cover O-Ring	3
HCXFDIF1000	Diffuser	4
HCXFBHE1000	Bulkhead Fitting Kit	5.1, 5.2
HCXFDK1000	Drain Kit	6.1, 6.2, 6.3, 6.4
HCXFLAT0825	HCF230 - 8.25" Lateral Kit (2 Laterals per kit)	7.1
HCXFLAT1050	HCF234 - 10.5" Lateral Kit (2 Laterals per kit)	7.2
HCXFLAT1250	HCF236 - 12.5" Lateral Kit (2 Laterals per kit)	7.3
HCXFBHI1000	Internal Bulkhead Kit includes (Pipe and Coupling)	8.1, 8.2, 8.3, 8.4
HCXFAR1000	External Air Relief Assy	—
HCXFARK1000	Internal Collector Air Relieve Kit	—
2" HCV SERIES MULTIPORT CONTROL VALVE (HCV275C)		
HCXMVINT275	HCV275C Valve Int Assy	1
HCXMVHNDLKIT	HCV2/25 Handle Kit	2
HCXMVORKIT	HCV275C O-Ring Kit	5
HCXMVBDY2	MPV 2" Body	10
HCXMVARPL	Air Release Valve & O-Ring	11
HCXMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD009	2" Union Half Adapter	13
HCXFW2UNAOR009A	2" Union O-Ring (2 Pk)	13A
2.5" HCV SERIES MULTIPORT CONTROL VALVE (HCV2575C)		
HCXMVINT2575	HCV2575C Valve Int Assy	1
HCXMVHNDLKIT	HCV2/25 Handle Kit	2
HCXMVORKIT	HCV2575C O-Ring Kit	5
HCXMVBDY25	MPV 2½" Body	10
HCXMVARPL	Air Release Valve & O-Ring	11
HCXMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD209	2.5" Union Half Adapter	13
HCXFW2UNAOR209A	2.5" Union O-Ring (2 Pack)	13A



EXPLODED DIAGRAM OF
HCV SERIES 3" HCV375C
(HCF342C & HCF348C)



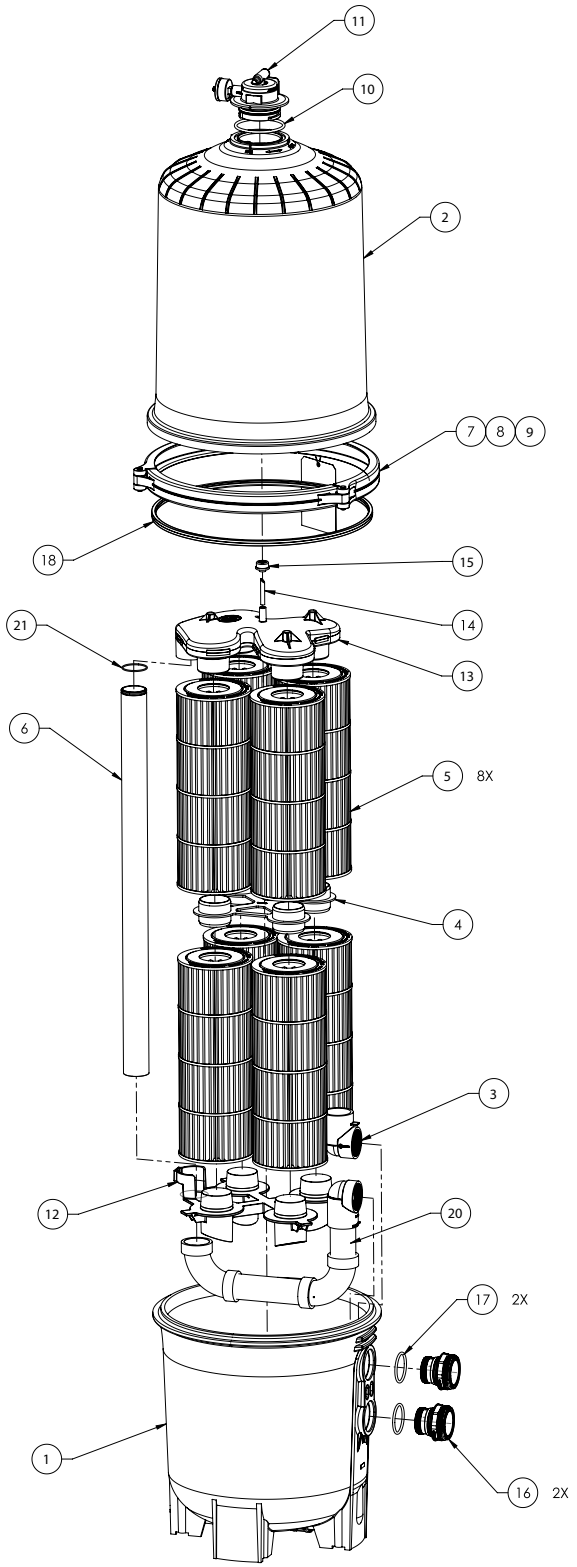
EXPLODED DIAGRAM OF
HCV SERIES 4" HCV475C
(HCF455C & HCF663C)



EXPLODED DIAGRAM OF
HCV SERIES 3" HCV375
(HCF336C OR DUAL FILTER CONTROL)

PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER
3" HCV SERIES MULTIPORT CONTROL VALVE (HCV375C)		
HCXMVINT375	HCV375C Valve Int Assy	1
HCXMVHNDLKIT3	HCV375C Handle Kit	2
HCXMVORKIT	HCV375C O-Ring Kit	5
HCXMVBDY3	MPV 3" Body	10
HCXMVARPL	Air Release Valve & O-Ring	11
HCXMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD309	3" Union Half Adapter	13
HCXFW2UNAOR309A	3" Union O-Ring (2 Pk)	13A
4" HCV SERIES MULTIPORT CONTROL VALVE		
HCXMVINT475	HCV475C Valve Int Assy	1
HCXMVHNDLKIT4	HCV475C Handle Kit	2
HCXMVORKIT4	HCV475C O-Ring Kit	5
HCXMVBDY4	MPV 4" Body	10
HCXMVARPL4	Air Release Valve & O-Ring	11
HCXMVSTGKIT4	Sightglass & O-Ring Kit	12
HCXFW2UNAD409	2.5" Union Half Adapter	13
HCXFW2UNAOR409A	2.5" Union O-Ring (2 Pk)	13A
3" HCV SERIES MULTIPORT CONTROL VALVE		
HCXV0375BA	3" Valve Internals Assembly, Complete	1
HCXV0375G	Operation Instruction Label	2
HCXV0375L	Lid O-Ring	3

Commercial Cartridge Filters



EXPLODED DIAGRAM OF
HCF SERIES CARTRIDGE FILTER
(HCF7030C & C7030C)

PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER	QTY.
HCF SERIES CARTRIDGE FILTER			
DE2420A3	BODY-FILTER,PLATINUM,SHASTA	1	1
DE7220BX3	HEAD-FILTER,72",PLATINUM	2	1
C3030F	ELBOW	3	1
C7020M	MID PLATE ELEMENT CONNECTOR	4	1
C59l E	ELEMENT, CARTRIDGE FILTER	5	8
C303l Fl 0	PIPE, OUTLET 37.25"	6	1
DE242l J	CLAMP-FILTER-3 SECTION	7	1
DE242 l J2Z3S	BOLT	8	1
DE242lJ2Z4	CLAMP NUT	9	1
DE2420AR9	O-Ring #348	10	1
DE2420MAR2	MANUAL AIR RELIEF ASSEMBLY	11	1
C3030D	CARTRIDGE MOUNTING PLATE	12	1
C5030C	MANIFOLD ASSY,TOP	13	1
C2030Z3	TUBE, AIR	14	1
C3000Jl	END CAP-BLEEDER TUBE	15	1
C3035F	FITTING-BULKHEAD 2 1 /2"	16	2
S220Z2	O-Ring, SIZE# 2-333	17	2
DE2422Z2	SEAL MATERIAL	18	1
SP3200UNKIT	UNION KIT	19	1
C3030H	ASSY, SWIM CLEAR PIPING	20	1
DE2400Z5	O-Ring # 139 -OUTLET PIPE-	21	1
SP1022CBLK	PLUG W/O-Ring, THO 1-1/2" (BLACK)	22	1
CCN7022CF	CARTON-CART FILTER, SWIMCLEAR	23	1

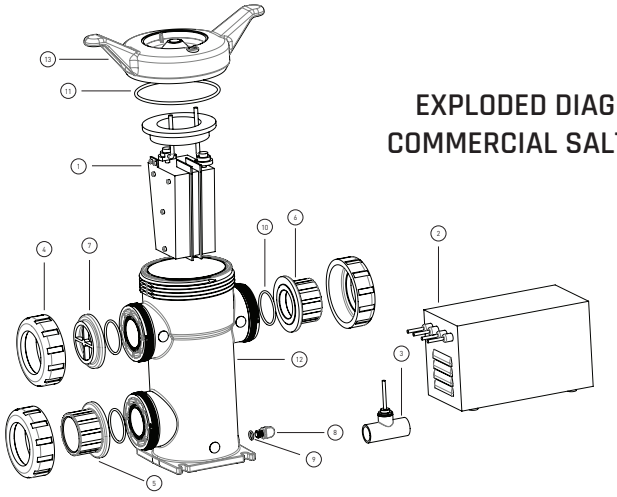
Commercial Automation

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
CAX-20100	5 Amp Fuse	0761418012510	1
CAX-20101	1 Amp Fuse	0761418012527	1
CAX-20102	4 Amp Fuse	0761418012534	1
CAX-20275	10 Amp Fuse	0761418013135	1
CAX-20150	Replacement Coil For AC015 or AC018	0761418012626	1
CAX-20151	1/8" SS Solenoid Valve	0761418012633	1
CAX-20152	1/4" NPT x 3/8" OD Speed-Fit Connection	0761418012640	1
CAX-AK4010W	Stenner Lead Tube - White 100' x 1/4"	0761418012688	1
CAX-UCCP201-1	Stenner #1 Pump Tube (Qty of 2)	0761418013340	1
CAX-UCCP201-2	Stenner #2 Pump Tube (Qty of 2)	0761418013357	1
CAX-UCCP201-3	Stenner #3 Pump Tube (Qty of 2)	0761418013364	1
CAX-UCCP201-4	Stenner #4 Pump Tube (Qty of 2)	0761418013371	1
CAX-UCCP201-5	Stenner #5 Pump Tube (Qty of 2)	0761418012695	1
CAX-MCCP201-1	Stenner #1 Pump Tube (Qty of 5)	0761418013388	1
CAX-MCCP201-2	Stenner #2 Pump Tube (Qty of 5)	0761418013395	1
CAX-MCCP201-3	Stenner #3 Pump Tube (Qty of 5)	0761418013401	1
CAX-MCCP201-4	Stenner #4 Pump Tube (Qty of 5)	0761418013418	1
CAX-MCCP201-5	Stenner #5 Pump Tube (Qty of 5)	0761418013425	1
CAX-20200	Pressure Switch Complete w/Cable	0761418012718	1
CAX-20201	Pressure Switch Only	0761418012725	1
CAX-20203	Rotary Flow Sensor	0761418012749	1
CAX-20204	Clear Lens and O-Ring	0761418012756	1
CAX-20205	Blue Rotor and Ceramic Pin	0761418012763	1
CAX-20206	Float Style Flow Switch For Molded Flow Cell	0761418012770	1
CAX-20250	Probe Adaptor For Professional Series Sensors	0761418012787	1
CAX-20251	2 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	0761418012794	1
CAX-50251	3 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	0610377337090	1
CAX-20252	3/8" OD Blue Flexible Tubing by the Foot	0761418012800	1
CAX-20271	3/8" OD Black UV Flexible Tubing by the Foot	0761418013432	1
CAX-20253	1/4" NPTM x 3/8" OD Speedfit Connectors	0761418012817	1
CAX-20254	1/4" Asahi Ball Valves	0761418012824	1
CAX-20255	1/4" check valve injector for liquid pumps AC025 & AC030 (Also: PTC15 & PTC30)	0761418012831	1
CAX-20256	1/4" In-Line Strainer	0761418012848	1
CAX-20257	Flow Cell Arm Assembly	0761418012855	1
CAX-20258-1	PVC Backboard 10" x 14"	0761418012947	1
CAX-20258-2	PVC Backboard 16" x 16"	0761418012930	1
CAX-20258-3	PVC Backboard 16" x 21"	0761418012954	1
CAX-20258-4	PVC Backboard 24" x 24"	0761418012961	1
CAX-20260	1/4" Parker Straight Valve	0761418012886	1
CAX-20272	2 Sensor - Flow Cell, Molded	0761418013449	1
CAX-50272	3 Sensor - Flow Cell, Molded	0610377337106	1
CAX-20273	Cover Replacement Cover - CO_2	0761418013111	1
CAX-20274	Probe Storage Cap	0761418013128	1
CAX-20276	Screen for 1/4" In-Line Strainer	0610377143233	1

Commercial Sanitization

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
CAX-3504	AC035 - PVC Crystal Suction Tube (Soft/Clear) (13' Roll)	0610377205504	1
CAX-3505	AC035 - PVC Crystal Suction Tube (Soft/Clear) (300' Roll)	0610377285612	1
CAX-3508	AC035 - 3 x 7 Santoprene®* Feed Tube 6.14GPD	0610377205528	1
CAX-3509	AC035 - Roller Assembly	0610377205535	1
CAX-3510	AC035 - Foot Filter - Weighted Suction Strainer - Polypropylene - w/Ceramic Weight	0610377233002	1
CAX-3511	AC035 - Next Generation 1/4" Injection Check Valve for blue liquid pumps AC035 (Also: AQL-CHEM4-CHLOR/ACID)	0610377261692	1
CAX-3512	AC035 - 3 x 7 Santoprene Feed Tube - 31GPD	0610377261708	1
CAX-3513	AC035 - Clear Front Cover	0610377258692	1
CAX-6001	Plastic, Flow Cell, Hybrid II, Machined - Unassembled, Hayward® CAT 6000™	TBD	1
CAX-6002	Plastic, Bracket, Mount, Wall, Hayward CAT 6000	TBD	1
CAX-6003	Plastic, Flow Cell Mount, Hayward CAT 6000	TBD	1
CAX-6004	Bracket, Flow Cell Mounting Plate, Stainless, Hayward CAT 6000	TBD	1
CAX-6005	Chlorine Sensor Battery Bias, Hayward CAT 6000	TBD	1
CAX-6006	Cable, AC Power Assembly 120 VAC, Hayward CAT 6000	TBD	1
HCX015	HCC2000 pH Sensor - w/Hayward Label	0610377142144	1
HCX025	HCC2000 ORP Sensor - w/Hayward Label	0610377142151	1
HCX025AU	HCC2000 ORP Sensor Gold - w/Hayward Label	0610377142168	1

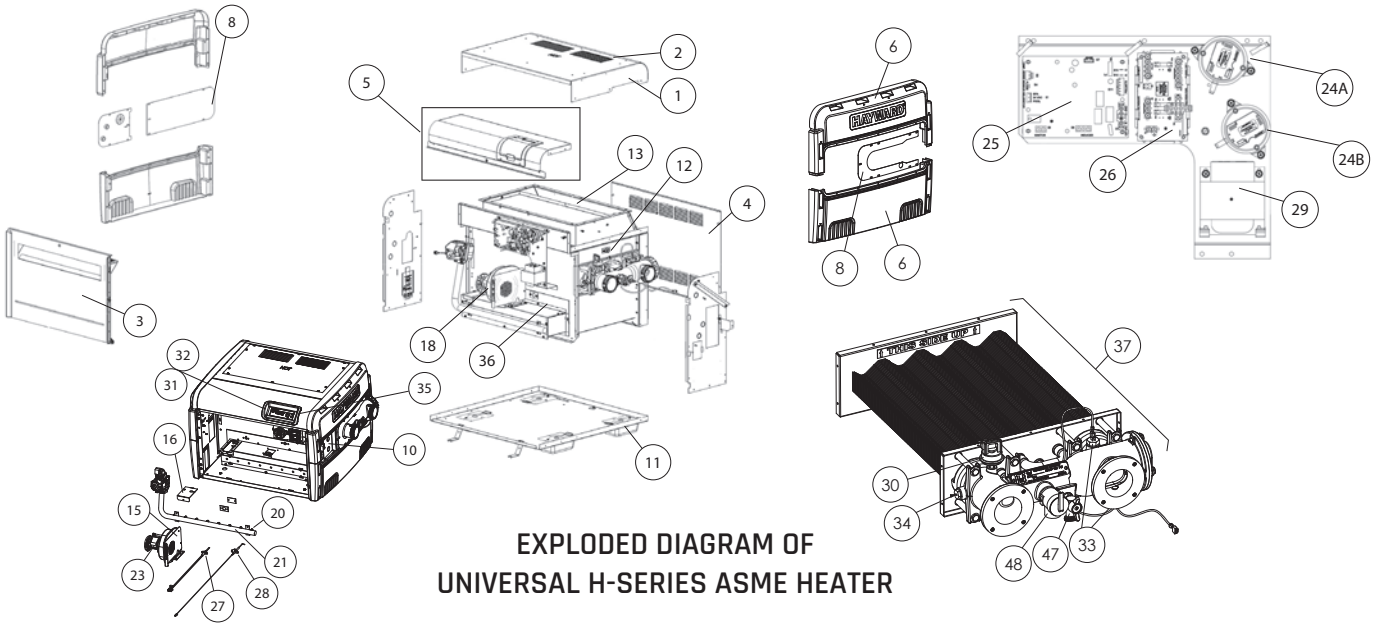
SUPPLEMENTAL	SECONDARY (L4)	PART NUMBER	SIZE / DESCRIPTION	CARTON QTY
√	—	HYXUVDSPCK	Replacement UV Display	1
—	√	HYXUVDSPCKL4	Replacement UV L4 Display (needs to be programmed, Instructions required)	1
√	√	HYXUVBALCK	Replacement UV Ballast	1
√	√	HYXUVQTZCK	Replacement UV Quartz Sleeve Kit - Complete	1
√	√	HYXUVLAPCK	Replacement UV Lamp	1
√	—	HYXUVSENCK	Replacement UV Sensor Kit - Complete	1
—	√	HYXUVSENCKL4	Replacement UV Sensor UV Sensor Kit	1
—	√	HYXUVSENCKL4KIT	Replacement UV Sensor L4 Housing Kit	1
√	√	HYXUVEXTCK	Replacement UV Lead Wire	1
√	—	HYXUVFL240CK	Replacement UV Flow Switch for Model (2 Pin) 240PVC/480PVC (2 Pin)	1
—	√	HYXUVFL240CKL4	Replacement UV Flow Switch for Model 240PVC/480PVC L4 (3 Pin)	1
√	√	HYXAIRBLEEDKIT	Air Bleed Kit	1
√	√	HYXCONTACT	Contactor	1
√	X	HYXSACZNKIT	KIT SACRIFICIAL ZINC ANODE 3/8" (PVC), Check Annually, Up to 5yrs.	1
√	√	HYXUVEXTCBL12	Power Supply Uv Lamp Lead Wire 12'	1
—	√	HYXDFLOWL4	Digital Flow Meter Adapter - 5 to 24V DC	1
—	√	HYXAMONL4	Lamp Current Monitor 2 - L4 - One Per A UV Bulb	1
—	√	HYXPMPDSCL4	Pump Shut/OFF Box - 30Amp 240V - Single Phase	1
√	√	HYXCHAMB75	120PVC CR Chamber	1
√	√	HYXCHAMB150	240PVC CR Chamber	1
√	√	HYXCHAMB400	480PVC CR Chamber	1



EXPLODED DIAGRAM OF SALINE C® 6.0 COMMERCIAL SALT CHLORINE GENERATOR

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER	CARTON QTY
SALINE C® 6.0 & SALINE C® 2.0			
HCXSCELL6	Saline C 6.0 Replacement Cell & Cover	1	1
HCXSCELL2	Saline C 2.0 Replacement Cell & Cover	1	1
HCXSPS6	Power Supply	2	1
HCXSFLOS6	Flow Sensor	3	1
HCXCCCC	Replacement Cell Cables, Connector & Gray Cap	—	1
HCXSDISPKIT	Saline C Display Screen and Toggle Switch		
BSXC201CK	2" Clear Body	12	1
TBX122	2" PVC True Union Ball Valve Assembly Nut	4	3
ECX12S	2" PVC Pipe Connector Socket	6	2
ECX12T	2" PVC Pipe Connector Threaded	5	2
BSX1CAP2	2" PVC Port Cap	7	1
BSX1PLUG2	1" PVC Plug	8	1
BS12011CK	Cell Housing Lid	13	1
SB2KIT	O-Ring #111 Viton 70 Duro - OR111V70	9	3
	O-Ring #227 Viton 70 Duro - OR227V70	10	
	O-Ring #357 Viton 70 Duro - OR357V70	11	
SALINE C® 11.0			
HCXCCCC	Replace cell cables, connector, gray cap	—	1
HCXCCCC11	CAP-GR cables, connect Saline 11	—	1
HCXSDISPKIT	Saline C Display Screen and Toggle Switch (Only one display/toggle - 11.0 requires 2 for complete unit)	—	1
HCXSCELL11	Cell &cover, Saline 11	1	1
HCXSFLOS11	Flow sensor, Saline 11 (Sensor Only no T Fitting)	2	1
HCXSPS11	Power supply, Saline 11	2	1
BSCX401CK	4" Clear Body	12	1
BSX142	4" PVC True Union Ball Valve Assembly Nut	4	3
ECX14SBS	4" PVC Pipe Connector Socket	6	2
ECX14TBS	4" PVC Pipe Connector Threaded	5	2
BSX1CAP3	4" PVC Port Cap	7	1
BSX1PLUG2E	2" PVC Plug	8	1
ORX365V70	Piston Lid O-Ring	13	1
SB4KIT	O-Ring #111 Viton 70 Duro - OR111V70	9	3
	O-Ring #365 Viton 70 Duro - OR365V70	10	
	O-Ring #352 Viton 70 Duro - OR352V70	11	

Commercial Heaters



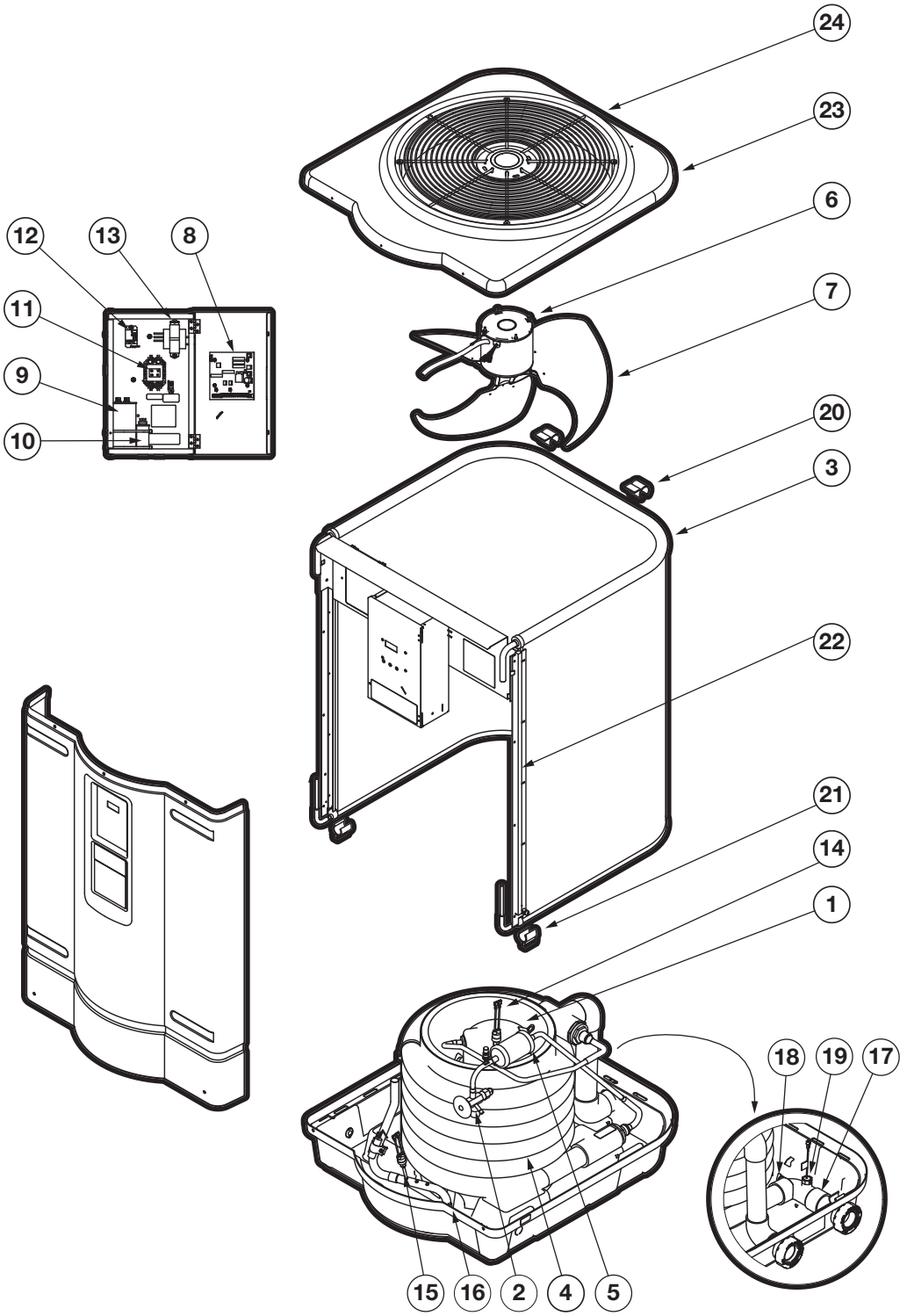
EXPLODED DIAGRAM OF
UNIVERSAL H-SERIES ASME HEATER

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS			
FDXLJKT1251	Jacket Top, Taupe, ASME - H250FD	0610377396448	1
FDXLJKT1401	Jacket Top, Taupe, ASME - H400FD	0610377396400	1
FDXLFAD1250	Front Door Assembly, Taupe, ASME - H250FD	0610377072465	3
FDXLFAD1400	Front Door Assembly, Taupe, ASME - H400FD	0610377072489	3
FDXLRAD1250	Rear Door Assembly, Taupe, ASME - H250FD	0610377072496	4
FDXLRAD1400	Rear Door Assembly, Taupe, ASME - H400FD	0610377072519	4
FDXBCP1250	Kit-Bezel Control Panel, Black, With Door, H250FD	0610377330787	5
FDXBCP1400	Kit-Bezel Control Panel, Black, Without Door, H400FD	0610377330817	5
FDXLBEC1930	Upper & Lower End Cap	0610377072557	6
FDXLRTP1930	Right Side Trim Panel	0610377072588	8
FDXLLTP1930	Left Side Trim Panel	0610377072571	8
FDXLPLRC1930	Kit - Junction Box Cover, Polymer L&R	0610377297608	10
FDXLPBL1930	Base Leg	0610377072618	11
FDXLFCS1930	Flue Collector Side Panel	0610377072625	12
FDXLRGK1251	Rain Guard Assembly - H250FD	0610377132435	13
FDXLRGK1401	Rain Guard Assembly - H400FD	0610377132466	13
FDXLIAC1930	Ignitor Access Cover	0610377072724	16
FDXLBON1930	Burner Orifice Kit, Natural Gas	0610377072786	20
FDXLBOP1930	Burner Orifice Kit, Propane Gas	0610377072793	20
FDXLGCKW250NP	Conversion Kit, NA to LP, Quick-Change - H250FD	0610377430661	21
FDXLGCKW250PN	Conversion Kit, LP to NA, Quick-Change - H250FD	0610377430654	21
FDXLGCKW400NP	Conversion Kit, NA to LP, Quick-Change - H400FD	0610377430593	21
FDXLGCKW400PN	Conversion Kit, LP to NA, Quick-Change - H400FD	0610377430586	21
FDXLBWR1930	Combustion Blower	0610377072847	23
FDXLVPS1930	Vent Pressure Switch	0610377099387	24A
FDXLBVS1930	Blower Vacuum Switch	0610377079907	24B
FDXLCONSKTA	Consumer Kit, (not shown)	-	-

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS, CONTINUED			
FDXLICB1930	Integrated Control Board	0610377072854	25
FDXLFWP1930	Field Wiring Panel	0610377072861	26
FDXLIGN1930	Ignitor	0610377072878	27
IDXLFLS1930	Flame Sensor	0610377625968	28
IDXL2TRF1930	Transformer	0610377854443	29
FDXLWPS1930	Water Pressure Switch	0610377074230	30
IDXL2DB1930	Display Board Only	0610377896740	31
FDXLBKP1931	Bezel and Keypad Assembly, ASME, Without Door	0610377072908	32
UHXLOK1930	Control Bezel Lock-Out Kit	0610377187084	—
FDXLHLI1930	High Limit 135°F (H250 & H400 Only (H500 SKU: FDXLHLI1500)	0610377073783	33
FDXLTER1930	Thermistor	0610377073790	34
FDXLGSK1932	Gasket, Bezel/Top	0610377072946	35
FDXLGSK1934	Gasket, CC Front/Air Box - All Models	0610377072960	36
FDXLHXA1250A	Heat Exchanger Assembly, ASME - H250FD	0610377135610	37
FDXLHXA1400A	Heat Exchanger Assembly, ASME - H400FD	0610377135603	37
FDXLHXA1500A	Heat Exch Assembly - H500FD ASME	0610377277587	37
FDXLDRV1930A	Drain Valve, ASME	0610377135818	47
CHXRLV1930	Pressure Relief Valve	0610377003179	48
FDXLBRN1930	Burner Kit (Qty 8)	0610377072762	—
FDXLBRN1931	Burner (Qty 1)	0610377277594	
FDXLFSK1930	Fuse Service Kit	0610377072915	—
FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty of 10)	0610377123105	—
FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty of 10)	0610377123136	—
FDXLUNK1930A	ASME Union Flange Kit (Includes Flange Fittings, Bolts, Gaskets)	0610377135801	—
FDXLGSK1930	Gasket Kit - Air Side - All Models *Includes:* » Gasket, Blower Mounting » Gasket, Cover/Air Box Front » Gasket, Manifold/Air Box	0610377072922	—
FDXLGSK1931	Gasket Kit - Exhaust Side - All Models *Includes:* » Gasket, Flue Collector Side » Gasket, Rain Guard Side » Gasket, Rain Guard Bottom Side » Gasket, Flue Collector Top » Gasket, Rain Guard Front and Rear » Gasket, Rain Guard Bottom Front and Rear	0610377072939	—
FDXLGSK1933	Insulation, Return Side Tube Sheet	0610377072953	—
FDXLTDK1930	Tie-Down Kit	0610377072977	—
FDXLWHA1930	Wiring Harness Kit Complete	0610377110730	—
FDXLHAK1930	Conversion Kit, All Models, High-Altitude 2,000-10,100'	0610377104326	—
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit	0610377396318	—
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit	0610377396288	—
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit	0610377396356	—
UHXDVA004	4" Duravent Positive Pressure Appliance Adapter	0610377396608	—
UHXDVA006	6" Duravent Positive Pressure Appliance Adapter	0610377396615	—
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter	0610377396622	—
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter	0610377396639	—
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	0610377396363	—

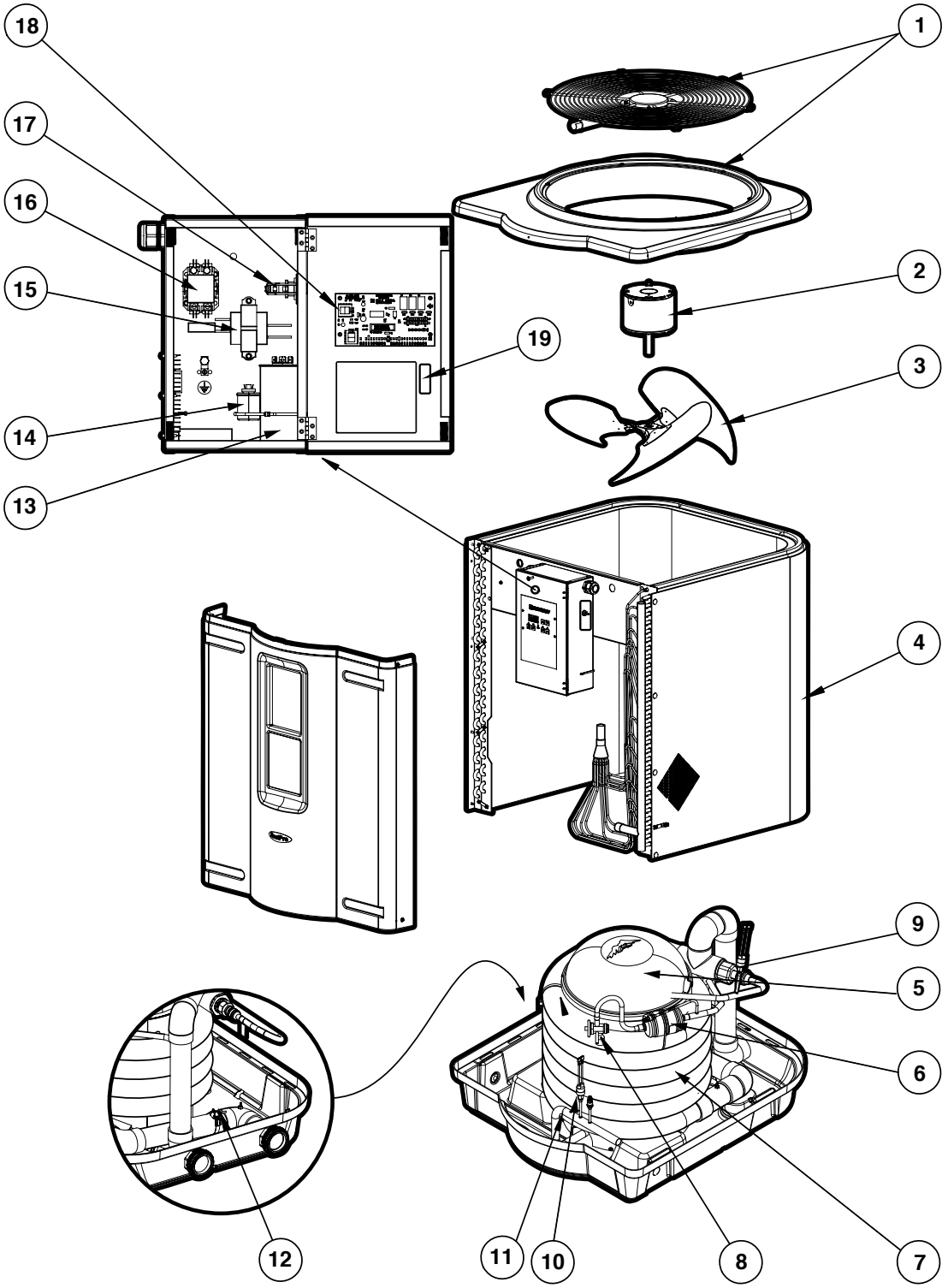
PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)	0610377396240	—
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adapter Included)	0610377396387	—
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)	0610377396219	—
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	0610377396394	—
UHXTFP1930	Temp/Pressure and Flow Switch Kit	0610377234276	—
UHXFSW1930	Flow Switch Only	0610377234443	—
H500 GAS HEATER			
FDXLRGK1500	Kit - Rainguard Assembly H500FD	0610377277488	13
FDXLJKT1501	Jacket Top, Taupe, ASME - H500FD	0610377396493	1
FDXLGCK1500NP	Conversion Kit, NA to LP, Quick Change, H500	0610377430579	21
FDXLGCK1500PN	Conversion Kit, LP to NA, Quick Change, H500	0610377277556	21
FDXLFAD1500	Taupe Front Door	0610377274524	3
FDXLBWR1500	Combustion Blower - H500FD	0610377277563	18
FDXLBCP1500	Kit - Bezel Control Panel, 500	0610377330978	5
FDXLBON1500	Kit - Gas Orifice, NA, (Pk 10) H500FDN	0610377282512	20
FDXLBOP1500	Kit - Gas Orifice, LP, (Pk 10) H500FDP	0610377282529	20
FDXLHLI1500	High limit Kit, H500FD Heater	0610377278119	33

EXPLODED DIAGRAM OF HEATPRO MCHX SERIES



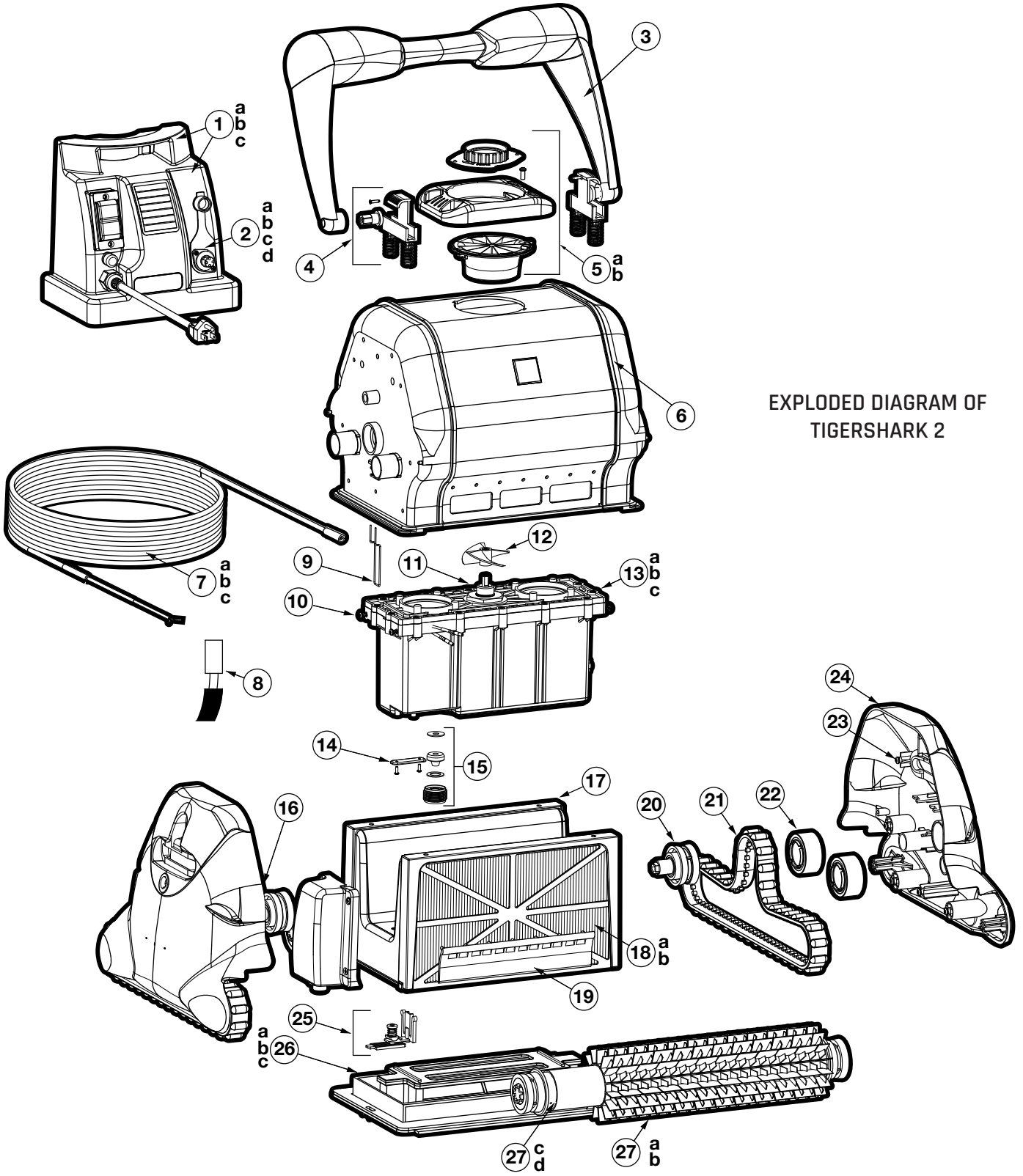
ITEM DESCRIPTION	110K	120K	140K	110K H/C	120K H/C	140K H/C	NO.
HEATPRO® MICROCHANNEL SERIES							
COMPRESSOR	HPX51100101701	HPX51100101701	SMX11012755	HPX51100101701	HPX51100101701	SMX11012755	1
THERMAL EXPANSION VALVE (TXV)	HPX51700029001						2
EVAPORATOR	HPX52400099501	HPX52400099401	HPX52400099401	HPX52400099501	HPX52400099401	HPX52400099401	3
HEAT-EXCHANGER	HPX52400120301						4
FILTER DRIER	HPX1462			SMX15022309			5
FAN MOTOR	SMX300055036						6
FAN BLADE	SMX303140003	HPX51700116101	HPX51700116101	SMX303140003	HPX51700116101	HPX51700116101	7
CONTROL BOARD	HPX51100122201			HPX51100122301			8
CAPACITOR, COMPRESSOR, 80 UF, 440 VAC	SMX11022320						9
CAPACITOR, FAN, 7.5 UF	HPX11024151						10
CONTACTOR	HPX1985						11
FAN RELAY	HPX51000010301						12
TRANSFORMER	HPX51100009901						13
HP SWITCH, 590 PSI	HPX11024258						14
LP SWITCH, 50 PSI	HPX51100118601						15
DEFROST SENSOR	SMX306000023						16
INSTRUMENT ELBOW ASSEMBLY	HPX52500098401						17
WATER TEMPERATURE SENSOR	HPX51100053701						18
WATER FLOW SWITCH	HPXG1068005E4						19
BRACKET, TOP (QTY 2)	HPX50100099701	HPX50100099801	HPX50100099801	HPX50100099701	HPX50100099801	HPX50100099801	20
BRACKET, BOTTOM (QTY 4)	HPX50100099901						21
GASKET-35 IN, NEOPRENE (QTY 2)	HPX50500107201						22
PANEL-TOP KIT, BLACK	SMX30904754						23a
PANEL-TOP KIT, TAUPE	SMX309077011						23b
FAN GUARD	SMX0101711001						24
WATER PRESSURE SWITCH	HPX2181						NOT SHOWN
REVERSING VALVE	NOT USED			HPX51700122401			
COMPENSATOR	NOT USED			HPX51700098901			
PLUG, COMPRESSOR	SMX10022329						
EVAPORATOR GUARD	HPX50100107101						
FASTENER, TREE, 1/4 (QTY 25)	HPX50100118201						
FASTENER, U-TYPE (QTY 25)	HPX50100122501						
CONSUMER KIT	HPX51400122701						

EXPLODED DIAGRAM OF HEATPRO SERIES



PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HEATPRO® HEATPUMP				
SMX30904754	Panel-Top Kit, Black	0610377399852	1	1
SMX300055036	Fan Motor	0859127001434	2	1
SMX303140003	Fan Blade	0859127001632	3	1
SMX11012751	Compressor for HP21004T after serial number 21131501105230001	0610377290340	5	1
SMX11012753	Compressor for HP21124T after serial number 21131501102140001	0610377290364	5	1
SMX11012755	Compressor for HP21254T after serial number 21131405101250001	0610377290760	5	1
SMX11012755	Compressor for HP21404T after serial number 21131404105240001	0610377290760	5	1
SMX10022329	Compressor Plug (not shown) for HP21004T after serial number 21131501105230001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21124T after serial number 21131501102140001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21254T after serial number 21131405101250001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21404T after serial number 21131404105240001	0610377290791	—	5
HPX1462	Filter – Drier for all	0610377829076	6	1
SMX24024864	Heat-Exchanger for HP21404T	0610377133128	7	1
SMX24022372	Heat Exchanger for HP21004T	0610377294836	7	1
SMX24024509	Heat Exchanger for HP21124T prior to serial number 21131708100361001	0610377133050	7	1
SMX2401347101	Heat Exchanger for HP21124T after serial number 21131708100361001	0610377391207	7	1
SMX15012865	Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001	0610377329699	8	10
HPX51700029001	Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001	0610377424479	8	1
HPX11024258	High Pressure Switch	0610377127943	9	10
HPX11024259	Low Pressure Switch	0610377127950	10	10
SMX306000023	Defrost Sensor	0859127001847	11	10
SMX306000024	Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T	0859127001854	12	25
SMX11022320	Compressor Run Capacitor, 80 UF, 440 VAC	0610377256124	13	6
HPX11024151	Fan Capacitor, 7.5 UF	0610377096959	14	6
HPX51100009901	Transformer	0610377401562	15	1
HPX1985	Contactor	0610377807029	16	5
HPX2181	Water Pressure Switch	0610377807098	17	10
HPX51100122201	Control Board for HP21404T, HP21004T, HP21124T and HP21254T	0610377444255	18	30
SMX1101191101	Master On/Off Switch	0610377339919	19	50

Commercial Cleaners



EXPLODED DIAGRAM OF
TIGERSHARK 2

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER	CARTON QTY
TIGERSHARK 2 COMMERCIAL ROBOTIC CLEANER			
RCX97453	Power Supply-110 VAC, TigerShark	1a	1
RCX30000RC	Power Supply-110 VAC, TigerShark Plus	1b	1
RCX97453QC	Power Supply-110 VAC, TigerShark Quikclean	1c	1
RCX31013A	Power Supply Circuit Breaker 3A	2a	50
RCX31012	Power Supply Switch 16A	2b	50
RCX31012A	Power Supply Switch Membrane Cover	2c	50
RCX31018	Power Supply Output Connector	2d	50
RCX76008-234	Handle Assembly – TS, TS Plus, TSQC, Blue	3	5
RCX14000KIT	Handle Arm Slide Kit	4	10
RCX11208	Venturi Assembly, New Style	5a	10
RCX11208BK	Venturi Assembly, Black	5b	1
RCX13001C	Main Case, TS, TSP, TSQC	6	1
RCX50061	Floating Cord Assembly – 55 ft. (TS, TSQC)	7a	1
RCX50110	Floating Cord Assembly – 100 ft. (TS2)	7b	1
RCX50070*	Floating Cord Assembly – 55 ft. (TS Plus)	7c	1
RCX59006	Connector Socket, Molex	8	50
RCX11400	Clip, Lid (Set of 2)	9	10
RCX12001	Screw, M4X12 T-20 (Set of 5)	10	10
RCX40117	Drive Pin Assembly	11	50
RCX11000	Impeller	12	10
RCX40000DC	Motor Unit, 4 hr. for TigerShark DC	13a	1
RCX43000	Motor Unit, 4 hr. for TigerSharkQC DC	13b	1
RCX40000RC*	Motor Unit, 4 hr. for TigerShark Plus DC	13c	1
RCX59007	Plate-Cover, Strain Relief	14	10
RCX59004KIT	Motor Cord Seal Kit	15	5
RCX26001	Roller Bearing Guide	16	10
RCX70100	Filter Cartridge Assembly, Frame and Filters	17	1
RCX70101PAK2	Filter Cartridges (Set of 2)	18a	5
RCX70103PAK2	Spring Cleanup Filters (Set of 2)	18b	5
RCX17100	Flap Drain, TS (Set of 2)	19	20
RCX26002	Bearing, Drive Pulley Assembly (Includes RC260031 insert)	20	10
RCX23002	Drive Track, Soft Tread	21	5
RCX26000PAK2	Pulley Bearing Kit (Set of 2)	22	5
RCX12011	Screw M5X20 Pan TORX HD T-20	23	10
RCX97201	Side Cover, TS (Right and Left)	24	1
RCX75003KIT	Locking Plate Kit	25	10
RCX75000-236	Bottom Lid Assembly, Black	26a	7
RCX78005	Bottom Lid Filter Gasket	26b	10
RCX75005	Inlet Flap	26c	10
RCX26008	Roller Brush	27a	5
RCX26012	Foam Roller Assembly	27b	5
RCX26003	Wheel Tube Assembly without Brush	27c	9
RCX26005S	Bearing-Wheel Tube Slotted	27d	10
RCX17000	High Velocity Inlet	—	10
RCX40215*	Hand-Held Wireless Remote (2008 – present) 433 MHz	—	10
		*While supply last	

Commercial Flow Control

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
TRUE UNION BALL VALVE PARTS - TBH SERIES			
TBXH1050BALLK	Ball, Stem, LP and Handle Kit for 1/4", 3/8" and 1/2" PVC TBH	0610377354899	1
TBXH1075BALLK	Ball, Stem, LP and Handle Kit for 3/4" PVC TBH	0610377354905	1
TBXH1100BALLK	Ball, Stem, LP and Handle Kit for 1" PVC TBH	0610377354912	1
TBXH1150BALLK	Ball, Stem, LP and Handle Kit for 1-1/4" and 1-1/2" PVC TBH	0610377354936	1
TBXH1200BALLK	Ball, Stem, LP and Handle Kit for 2" PVC TBH	0610377354943	1
TBXH1300BALLK	Ball, Stem, LP and Handle Kit for 3" PVC TBH	N/A	1
TBXH1400BALLK	Ball, Stem, LP and Handle Kit for 4" PVC TBH	N/A	1
TBXH1050SEATEK	TBH Seat and Seal Kit 1/4", 3/8" and 1/2" PVC/EPDM	0610377355124	1
TBXH1075SEATEK	TBH Seat and Seal Kit 3/4" PVC/EPDM	0610377355131	1
TBXH1100SEATEK	TBH Seat and Seal Kit 1" PVC/EPDM	0610377355148	1
TBXH1150SEATEK	TBH Seat and Seal Kit 1-1/4" and 1-1/2" PVC/EPDM	0610377355155	1
TBXH1200SEATEK	TBH Seat and Seal Kit 2" PVC/EPDM	0610377355162	1
TBXH300SEATEK	TBH Seat and Seal Kit 3" PVC/EPDM	N/A	1
TBXH400SEATEK	TBH Seat and Seal Kit 4" PVC/EPDM	N/A	1
TUX1052	1/4", 3/8", 1/2" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377006224	1
TBX10752	3/4" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377849500	1
TBX11002	1" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377032957	1
TBX11502	1-1/4 - 1-1/2" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377779128	1
TBX122	2" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377776097	1
TBX132	3" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377193047	1
TBX142	4" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377193061	1
ECX15S	1/2" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191524	1
ECX15T	1/2" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191531	1
ECX17S	3/4" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191548	1
ECX17T	3/4" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191555	1
ECX11S	1" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191425	1
ECX11T	1" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191432	1
ECX112S	1-1/4" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377730457	1
ECX112T	1-1/4" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377717076	1
ECX115S	1-1/2" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191449	1
ECX115T	1-1/2" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191456	1
ECX12S	2" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191463	1
ECX12T	2" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191470	1
ECX13S	3" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191487	1
ECX13T	3" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191494	1
ECX14S	4" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191500	1
ECX14T	4" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191517	1
TRUE UNION 3-WAY BALL VALVE PARTS			
NTX100503B	1/2" PVC 3-Way True Union Ball Valve TN Ball	0610377192002	1
NTX100753B	3/4" PVC 3-Way True Union Ball Valve TN Ball	0610377742658	1
NTX101003B	1" PVC 3-Way True Union Ball Valve TN Ball	0610377192019	1
NTX102003B	1-1/4," 1-1/2," 2" PVC 3-Way True Union Ball Valve TN Ball	0610377192026	1

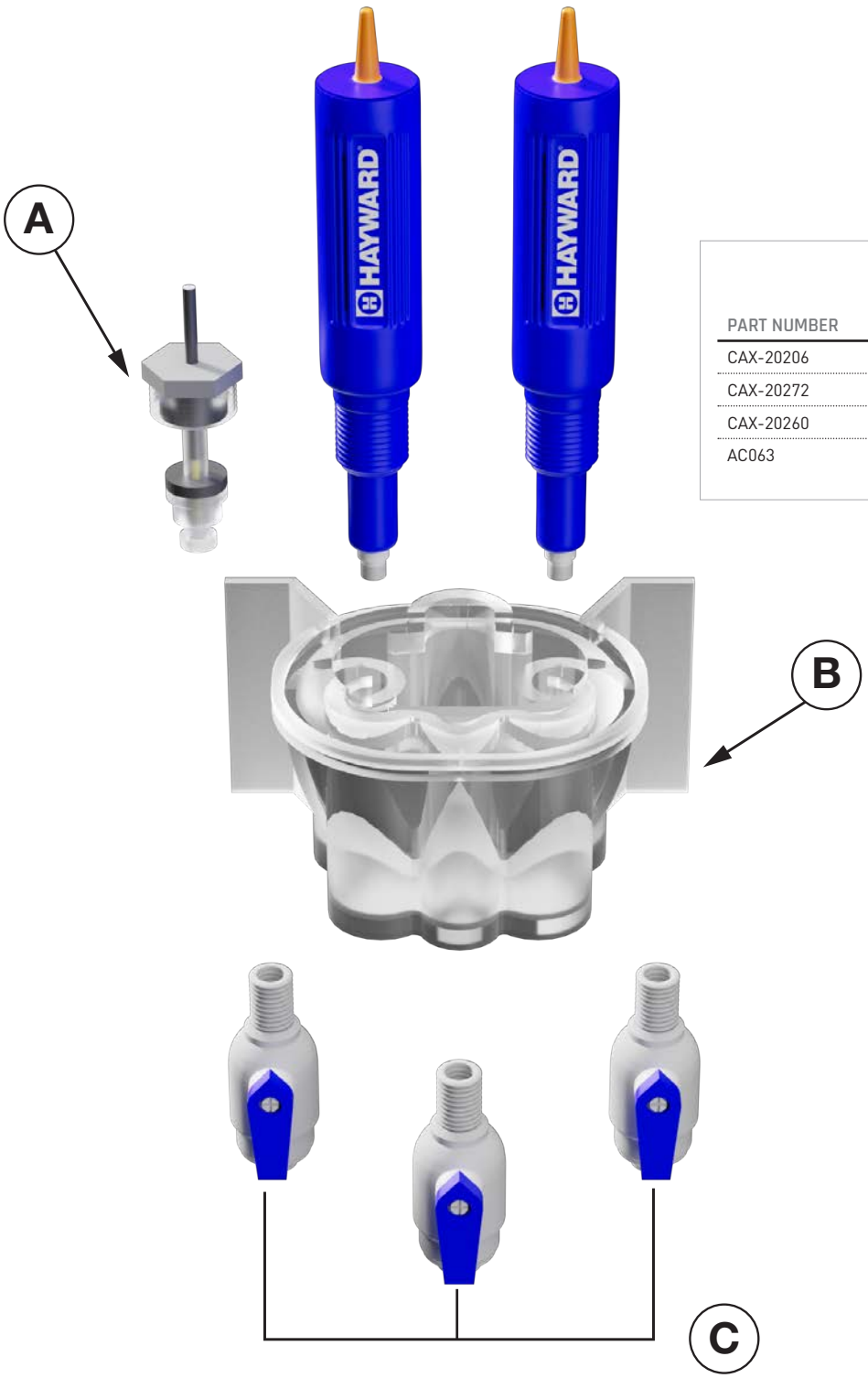
PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
NTX103003B	2-1/2," 3" PVC 3-Way True Union Ball Valve TN Ball	0610377192033	1
NTX104003B	4," 6" PVC 3-Way True Union Ball Valve TN Ball	0610377192040	1
BSX142	4" PVC 3-Way True Union Ball Valve Assembly Nut Required for 3rd Port (Qty of 1)	0610377870733	1
ECX15T	1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191531	1
ECX17T	3/4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191555	1
ECX11T	1" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191432	1
ECX12T	2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191470	1
ECX125T	2-1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377686594	1
TUX101004F	1" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377120654	1
TUX101254F	1-1/4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377105002	1
TUX101504F	1-1/2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193795	1
TUX102004F	2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377196147	1
TUX103004F	3" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193825	1
TUX104004F	4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193849	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138338	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138338	1
LAX164F	6" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138345	1
LAX5PAKE	1/2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870894	1
LAX7PAKE	3/4" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870900	1
LAX1PAKE	1" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870917	1
LAX2PAKE	1-1/4," 1-1/2," 2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870924	1
LAX3PAKE	2-1/2," 3" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870931	1
LAX4PAKE	4," 6" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870948	1
BYV SERIES BUTTERFLY VALVE PARTS			
BYXV4HLKIT	4" BYV Lever Assembly	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assembly	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assembly	0610377254717	1
BYCN SERIES BUTTERFLY VALVE PARTS			
LEX2B	2," 2-1/2" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209205	1
LEX4B	3," 4" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377207270	1
LEX6B	5," 6," 8" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209212	1
BY SERIES BUTTERFLY VALVE PARTS			
LEX3A	2", 3" Lever Handle Replacement for Butterfly Valve	0610377203494	1
LEX4A	4" Lever Handle Replacement for Butterfly Valve	0610377203500	1
LEX6A	6" Lever Handle Replacement for Butterfly Valve	0610377203517	1
LEX8A	8" Lever Handle Replacement for Butterfly Valve	0610377203524	1
BYCN SERIES BUTTERFLY VALVE PARTS			
LEX2B	2," 2-1/2" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209205	1
LEX4B	3," 4" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377207270	1
LEX6B	5," 6," 8" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209212	1
BYV SERIES BUTTERFLY VALVE PARTS			
BYXV3HLKIT	2" BYV Lever Assy for BYV Series Butterfly Valve	0610377254632	1
BYXV4HLKIT	4" BYV Lever Assy for BYV Series Butterfly Valve	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assy for BYV Series Butterfly Valve	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assy for BYV Series Butterfly Valve	0610377254717	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
BASKET STRAINER PARTS			
BSX1111ASSYE	1/2" - 1" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872522	1
BSX1211ASSYE	1-1/4" - 2" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872591	1
BSX1411ASSYE	2-1/2" - 4" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872614	1
BSX1611ASSYE	6" - 8" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872652	1
SB1KITE	1/2" - 1" CPVC Simplex or Duplex O-Ring Replacement	0610377872690	1
SB2KITE	1-1/4" - 2" CPVC Simplex or Duplex O-Ring Replacement	0610377872713	1
SB4KITE	2-1/2" - 4" CPVC Simplex or Duplex O-Ring Replacement	0610377872737	1
SB6KITE	6" - 8" CPVC Simplex or Duplex O-Ring Replacement	0610377872751	1
BSX1PLUG2	1/2" - 2" PVC Simplex or Duplex Plug Replacement w/FPM O-Ring	0610377872751	1
BSX1PLUG2E	2-1/2" - 8" PVC Simplex or Duplex Plug Replacement w/EPDM O-Ring	0610377872775	1
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS			
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377659635	1
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377659635	1
BS11001/16	1/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797665	1
BS11001/8	1/8" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797917	1
BS11003/16	3/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797924	1
BS71020	20 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111584	1
BS71040	40 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111614	1
BS71060	60 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111621	1
BS71080	80 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111638	1
BS710100	100 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111577	1
BS7101/32	1/32" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017398	1
BS7101/16	1/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017411	1
BS7101/8	1/8" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017466	1
BS7103/16	3/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017596	1
BS12001/32	1/32" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793063	1
BS12001/16	1/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111355	1
BS12001/8	1/8" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793070	1
BS12003/16	3/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793087	1
BS72020	20 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111829	1
BS72040	40 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111850	1
BS72060	60 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111867	1
BS72080	80 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111874	1
BS720100	100 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111812	1
BS7201/32	1/32" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018654	1
BS7201/16	1/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018685	1
BS7201/8	1/8" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018777	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377693257	1
BS14003/16	3/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852586	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377693257	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
BS14003/16	3/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852586	1
BS74020	20 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377060691	1
BS74040	40 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377081870	1
BS74060	60 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377112086	1
BS74080	80 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377072052	1
BS740100	100 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377057233	1
BS7401/16	1/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377018524	1
BS7401/8	1/8" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377018555	1
BS7403/16	3/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377018579	1
BS16001/32	1/32" PVC Perf Basket Replacement for 6" Strainers	0610377298087	1
BS16001/16	1/16" PVC Perf Basket Replacement for 6" Strainers	0610377726443	1
BS16001/8	1/8" PVC Perf Basket Replacement for 6" Strainers	0610377149860	1
BS16001/8	1/8" PVC Perf Basket Replacement for 6" Strainers	0610377149860	1
BS16003/16	3/16" PVC Perf Basket Replacement for 6" Strainers	0610377149877	1
BS76001420	20 MESH 316 SS Basket Replacement for 6" Strainers	0610377151221	1
BS76001440	40 MESH 316 SS Basket Replacement for 6" Strainers	0610377151252	1
BS76001480	60 MESH 316 SS Basket Replacement for 6" Strainers	0610377151276	1
BS76001460	80 MESH 316 SS Basket Replacement for 6" Strainers	0610377151269	1
BS760014100	100 MESH 316 SS Basket Replacement for 6" Strainers	0610377151214	1
BS76001/32	1/32" 316 SS Perf Basket Replacement for 6" Strainers	0610377151184	1
BS76001/16	1/16" 316 SS Perf Basket Replacement for 6" Strainers	0610377151160	1
BS76001/8	1/8" 316 SS Perf Basket Replacement for 6" Strainers	0610377151207	1
BS76003/16	3/16" 316 SS Perf Basket Replacement for 6" Strainers	0610377151283	1
BS18001/32	1/32" PVC Perf Basket Replacement for 8" Strainers	0610377790604	1
BS18001/16	1/16" PVC Perf Basket Replacement for 8" Strainers	0610377104777	1
BS18001/8	1/8" PVC Perf Basket Replacement for 8" Strainers	0610377149914	1
BS18003/16	3/16" PVC Perf Basket Replacement for 8" Strainers	0610377149921	1
BS78001420	20 MESH 316 SS Basket Replacement for 8" Strainers	0610377151405	1
BS78001440	40 MESH 316 SS Basket Replacement for 8" Strainers	0610377151436	1
BS78001460	60 MESH 316 SS Basket Replacement for 8" Strainers	0610377151443	1
BS78001480	80 MESH 316 SS Basket Replacement for 8" Strainers	0610377151450	1
BS780014100	100 MESH 316 SS Basket Replacement for 8" Strainers	0610377151399	1
BS78001/32	1/32" 316 SS Perf Basket Replacement for 8" Strainers	0610377151368	1
BS78001/16	1/16" 316 SS Perf Basket Replacement for 8" Strainers	0610377151344	1
BS78001/8	1/8" 316 SS Perf Basket Replacement for 8" Strainers	0610377151382	1
BS78003/16	3/16" 316 SS Perf Basket Replacement for 8" Strainers	0610377151467	1

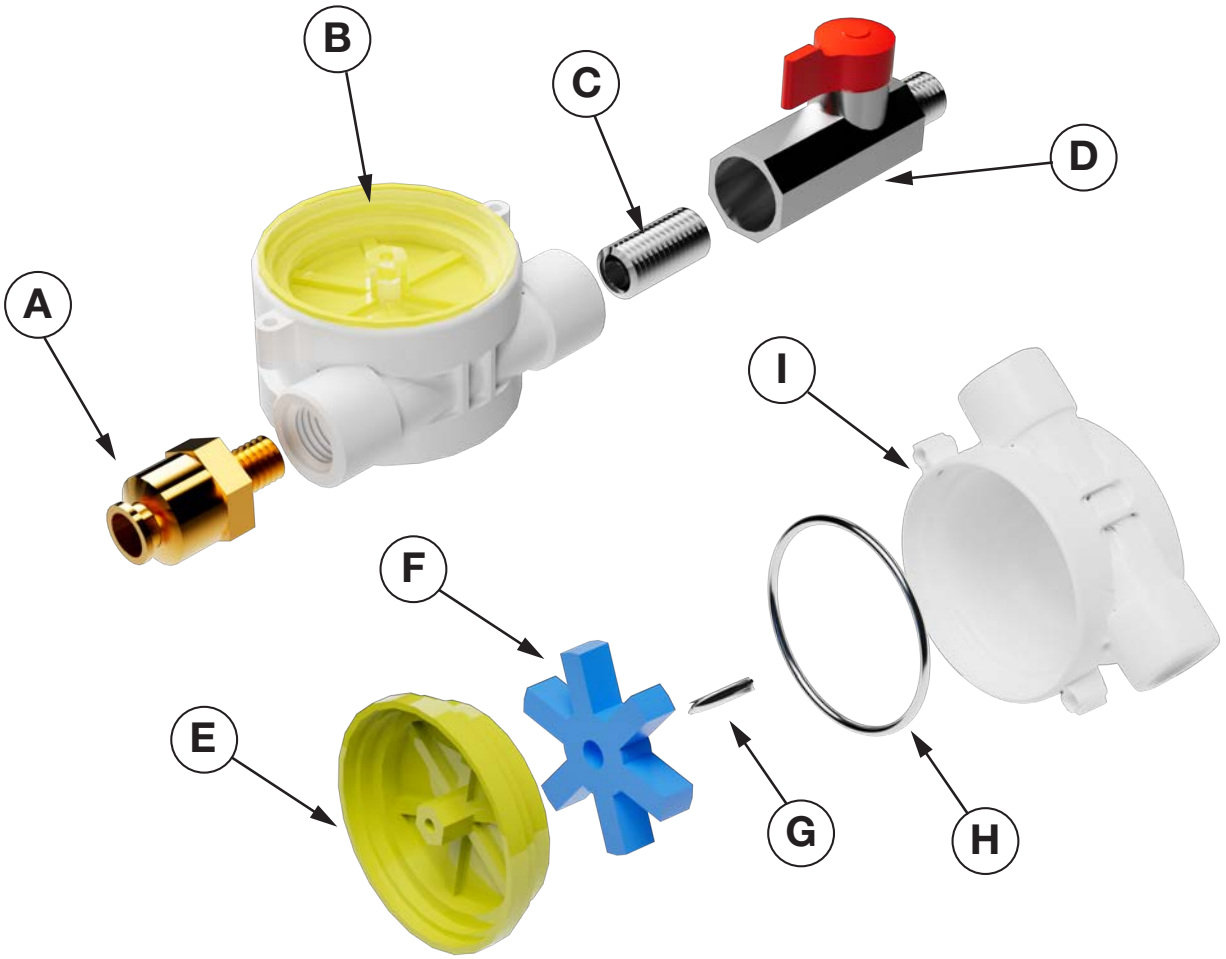
CAT Controllers

MOLDED FLOWCELL EXPLODED VIEW



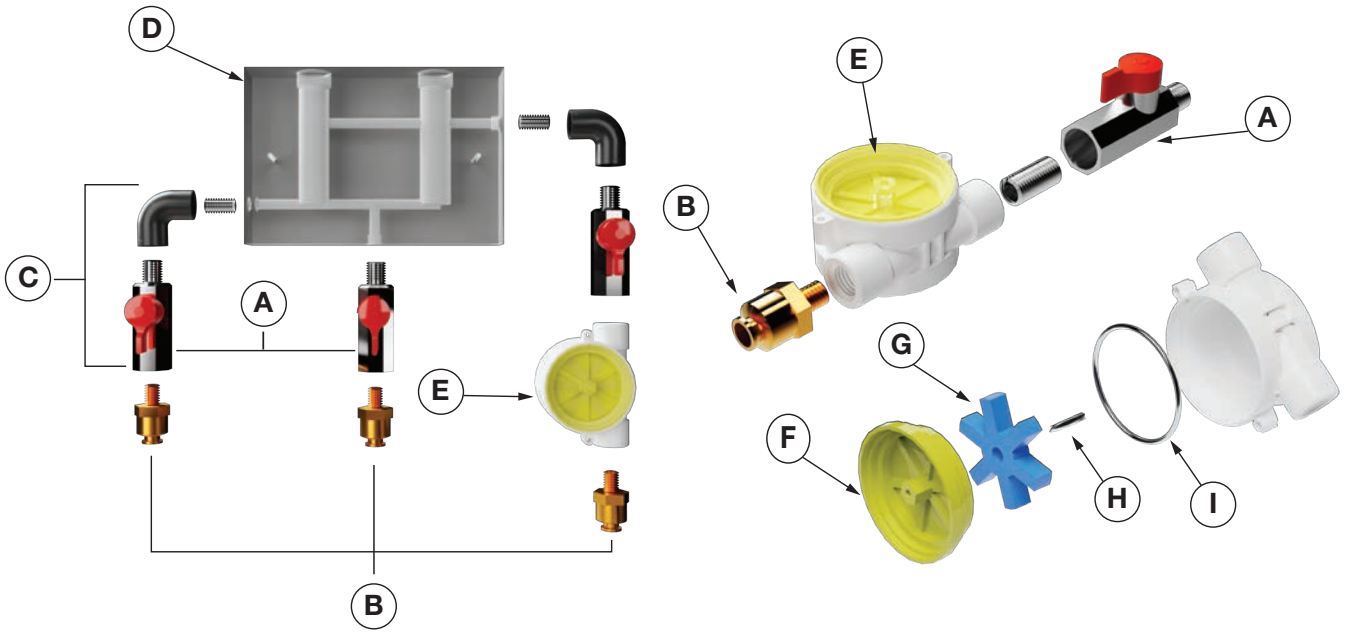
PART NUMBER	DESCRIPTION	DRAWING NUMBER
CAX-20206	Float Style Flow Sensor	A
CAX-20272	Molded Flowcell	B
CAX-20260	1/4" Parker Straight Valve	C
AC063	Complete Assembly	—

ROTARY FLOW SENSOR EXPLODED VIEW



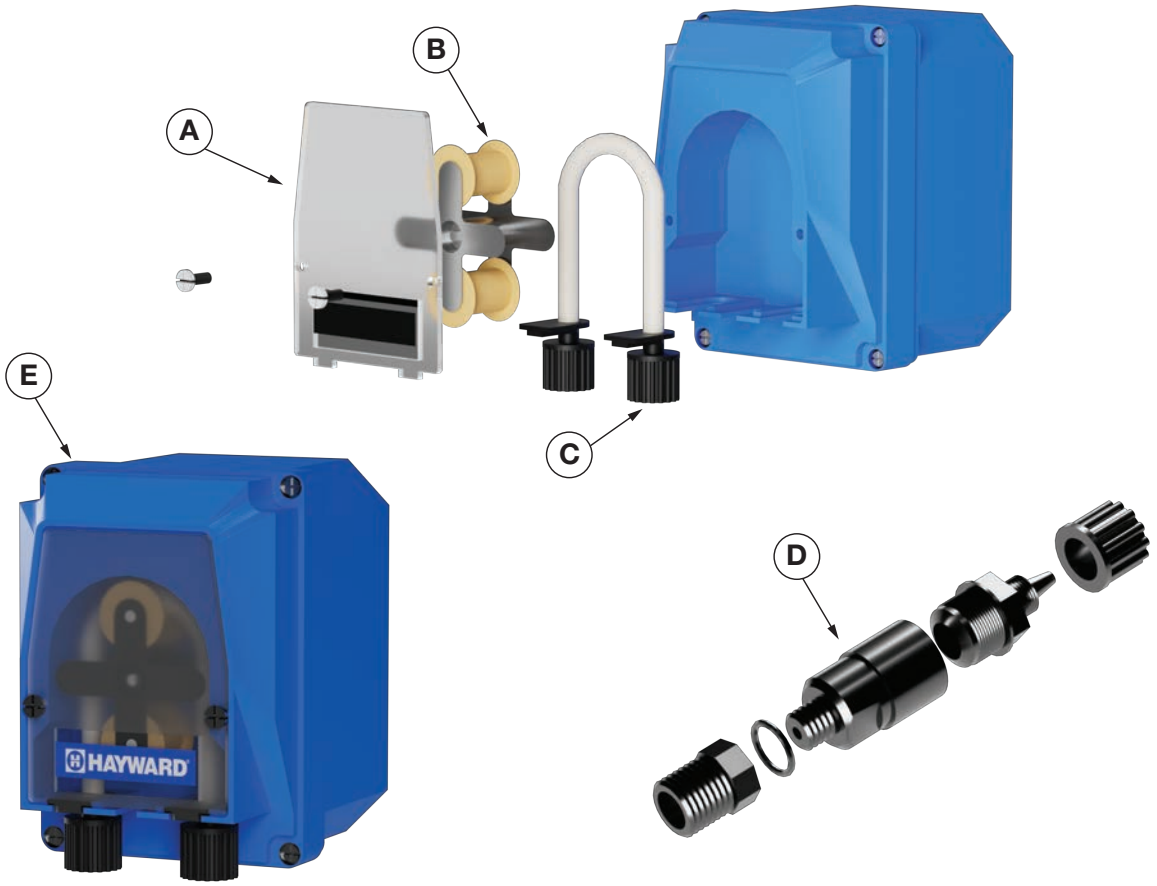
PART NUMBER	DESCRIPTION	DRAWING NUMBER
CAX-20253	1/4" NPTM x 3/8" OD Speedfit Connector	A
CAX-20203	Rotary Flow Sensor	B
Misc Part	1/4" Threaded Nipple	C
CAX-20254	1/4" Asahi Ball Valve	D
CAX-20204	Clear Lens	E
CAX-20205	Blue Rotor	F
CAX-20205	Ceramic Pin	G
CAX-20204	O-Ring	H
Not sold separately	Chamber (not sold separately)	I
	Note: CAX-20205 = Blue Rotor & Ceramic Pin	
	Note: CAX-20204 = Clear Lens & O-Ring	

ACRYLIC FLOWCELL - EXPLODED VIEW



PART NUMBER	DESCRIPTION	DRAWING NUMBER
CAX-20254	1/4" Asahi Ball Valve	A
CAX-20253	1/4" NPTM x 3/8" OD Speedfit Connector	B
CAX-20257	Flowcell Arm Assembly	C
(included)	- 90° PVC Elbow	C
(included)	- 1/4" Threaded Nipple	C
(included)	- 1/4" Asahi Ball Valve	C
AC075	Machined Flowcell (Complete)	D
CAX-20203	Rotary Flow Sensor	E
CAX-20204	Clear Lens	F
CAX-20205	Blue Rotor	G
CAX-20205	Ceramic Pin	H
CAX-20204	O-Ring	I

PART #CAX-3508 - AC035 - SANTOPRENE FEED TUBE
AND PART #CAX-3506 AND CAX3507 – AC035 – PP INJECTION CHECK VALVE



PART NUMBER	DESCRIPTION	DRAWING NUMBER
CAX-3513	Clear front hayward lens	A
CAX-3509	Roller Assembly	B
CAX-3508	6.5 GPD roller tube	C
CAX-3512	32 GPD roller tube	C
CAX-3511	Injector Tube	D
GLX-LFTUBE	Pick Up Tube	—
AC035	Pump Assembly	E

NOTES

NOTES

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LITCRNG26

2026 REPLACEMENT PARTS

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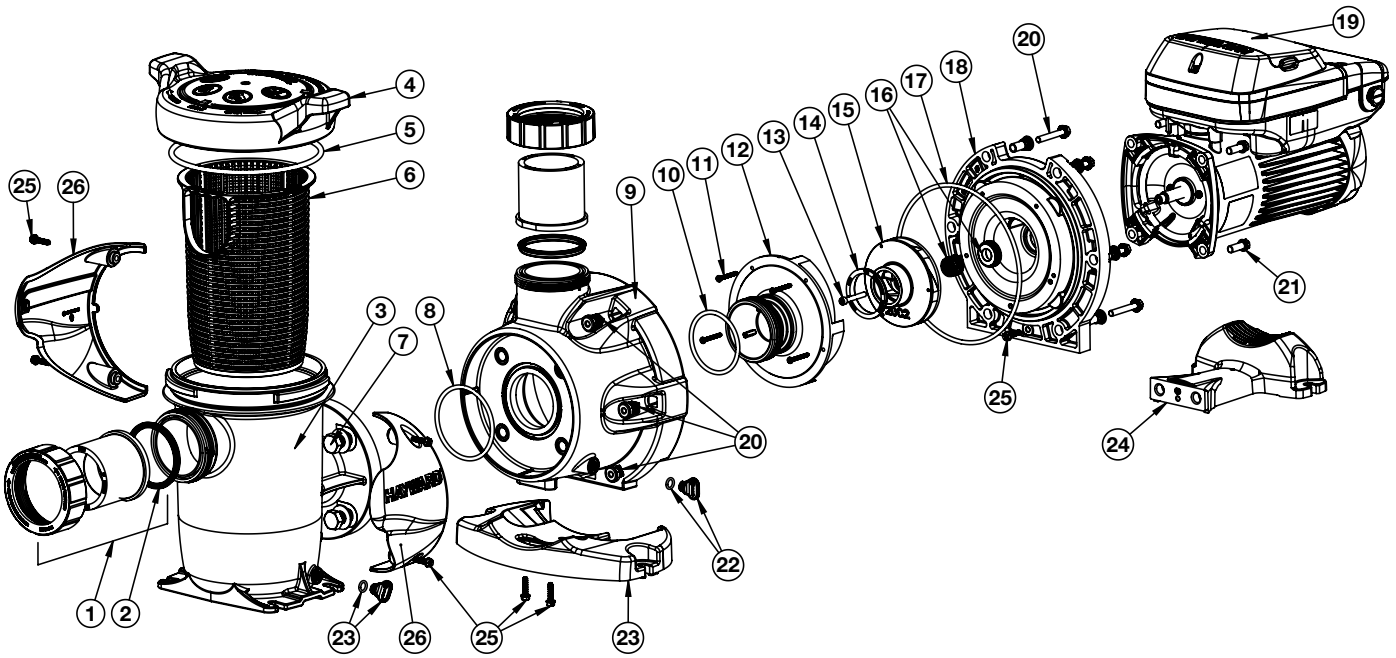
NOTE: The number that appears in the "CTN. QTY." (Carton Quantity) is the pre-packaged, recommended ordering quantity for a part. The List Prices shown do not necessarily represent the prices that products are sold for to retail customers.

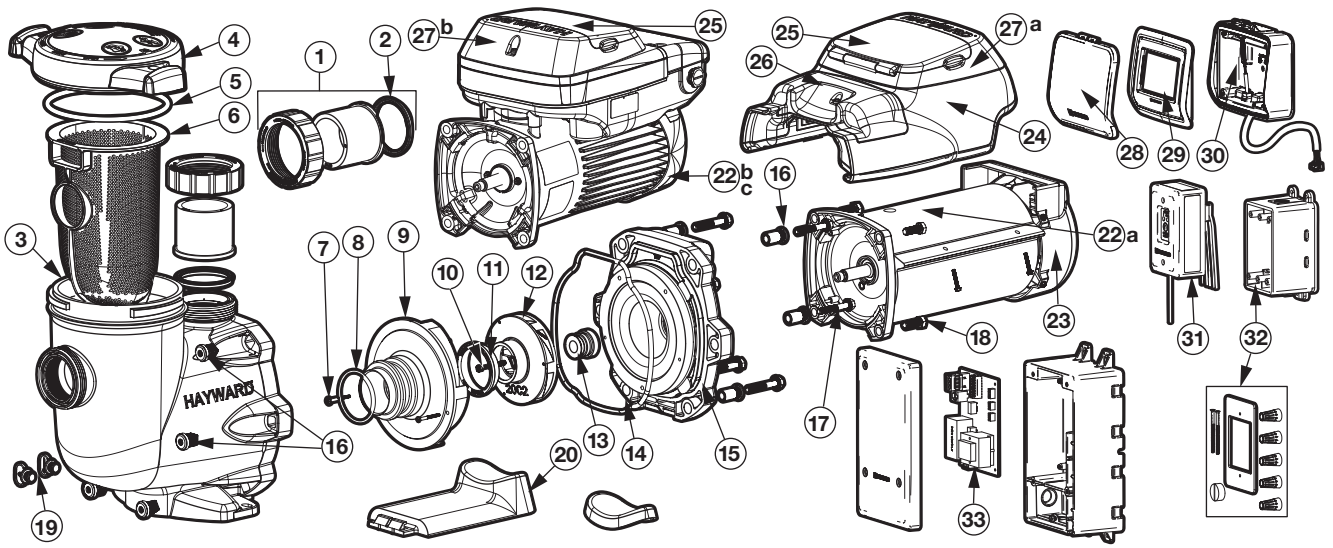
Part Diagram and Parts Listing



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HCXP3000UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket *(2 each)*	5	**$230.58**
2	HCXP3000UG	Union Gasket	10	**47.31**
3	HCXP3000H	Strainer Housing with Drain Plug	1	**498.87**
4	HCXP3000DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	1	**166.26**
5	SPX4000S	Strainer Cover O-Ring	50	**63.23**
6	HCXP3000M	Strainer Basket	1	**118.82**
7	HCXP3000Z3	Strainer Housing Flange Bolt/Washer *(4 each)*	10	**Discont'd**
8	HCXP343V70	Strainer Housing Flange O-Ring	10	**24.47**
9	HCXP3000A	Pump Housing with Drain Plug	1	**280.35**
10	HCXP338V60	Diffuser O-Ring	10	**53.84**
11	SPX3200Z8	Diffuser Screws *(5 Pack)*	50	**22.48**
12	HCXP3000B	Diffuser, 2 – 5 HP	1	**232.79**
13	SPX3200Z1	Impeller Screw	50	**14.04**
14	HCXP3000R	Impeller Ring, 2 – 5 HP	10	**23.50**
15	HCXP3020C	HP Impeller with Impeller Screw	10	**137.10**
16	SPX4000SAV	Shaft Seal Assembly	10	**83.51**
17	HCXP369V70	Pump Housing O-Ring	10	**24.41**
18	HCXP3000E	Seal Plate	1	**239.63**
19	SPX3200LCD	Digital Control Interface Assembly	1	**788.91**
20	SPX3200Z3	Housing Bolt	50	**9.29**
21	SPX3200Z34PAK4	Motor Bolt *(4 Pack)*	10	**Discont'd**
22	SPX4000FG	Housing Plug With Gasket	50	**9.03**
23	HCXP3000F	Pump Housing Base	10	**Discont'd**
24	HCXP3000G	Motor Support Base	10	**Discont'd**
25	SPX1600Z5SS	Base Screws *(7 Pack)*	10	**Discont'd**
26	HCXP3000N250	Right and Left Side Plate Set, Platinum	5	**Discont'd**
—	HCXP3020Z1VSPE	Motor Power End	1	**3,775.31**

Tristar® VS 900/950 Omni®

Parts for Pump Models: SP32950VSP, SP32900VSP, HL32950VSP, HL32900VSP



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$91.76**
2	SPX3200UG	Union Gasket	100	**25.97**
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1	**632.31**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**168.62**
5	SPX3200S	Strainer Cover O-Ring	50	**28.66**
6	SPX3200M	Strainer Basket	2	**38.51**
7	SPX3200Z8	Diffuser Screw *(5 Pack)*	50	**22.48**
8	SPX4000Z1	Diffuser O-Ring	50	**25.65**
9	SPX3200B3	Diffuser	5	**83.65**
10	SPX3200Z1	Impeller Screw	50	**14.04**
11	SPX3021R	Impeller Ring	50	**12.01**
12	SPX3220C	Impeller with Impeller Screw, TriStar VS 950	10	**107.38**
12	SPX3210C	Impeller with Impeller Screw, TriStar VS 900	10	**77.79**
13	SPX4000SAV	Viton® Shaft Seal Assembly	10	**83.51**
14	SPX3200T	Housing O-Ring	50	**22.12**
15	SPX3200E	Seal Plate	5	**109.22**
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**49.55**
17	SPX3200Z3	Housing Bolt	50	**9.29**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**21.10**
19	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
20	SPX3200GA	Bracket, Motor Support	5	**84.61**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**81.61**
21	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**80.08**
22a	SPX3400Z1ECM	Motor Assembly, TriStar VS 950 (before January 2019)	1	**1,568.42**
22b	SPX3206Z1VSPE	Power End Assembly, TriStar VS 950	1	**3,394.26**
22c	SPX3202Z1VSPE	Power End Assembly, TriStar VS 900	1	**2,612.98**
23	SPX3400FAN	Motor Fan Shroud, TriStar VS 950 (before January 2019)	5	**63.74**
24	SPX3400DR	Motor Drive, TriStar VS 950 (Includes Digital Control Interface, before January 2019)	1	**2,193.47**
25	SPX3400DR4	Motor Drive Display Cover	5	**84.98**
26	SPX3400DR2	Motor Drive Wiring Cover, TriStar VS 950 (before January 2019)	5	**Discont'd**
27a	SPX3400LCD	Digital Control Interface Assembly, TriStar VS 950 (before January 2019)	1	**Discont'd**
27b	SPX3200LCD	Digital Control Interface Assembly (after January 2019)	1	**740.77**
28	HLXDCOVER	Sun Cover Replacement	5	**49.01**
29	HLXDLCD	LCD Disp Replacement	5	**343.34**
30	HLXDSPCASE	Case Replacement	1	**104.16**
31	HLX485RELAY	Replacement RS485 Relay	1	**520.95**
32	HLXJBOX	Replacement Jbox	1	**46.74**
33	HLXHIOPCB	OmniHub PCB	1	**403.36**
—	HLXHW5PK	OmniHub Hardware – Not Shown *(5 pack)*	10	**49.01**
—	HLXWHIP6	Omni 6 ft. Whip – Not Shown	5	**115.97**
—	SPX3400DRKIT	Wall Mount Kit for Digital Control Interface	5	**240.92**
—	SPX3400DRCBL	Wall Mount Display Cable	5	**120.88**
—	SPXHKIT100	H-KIT Quick Pump Repair (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**71.61**
—	GLX-ACT-CONN	Actuator Connector	100	**23.32**
—	HLH485RELAY	Omni RS485 Smart Relay	1	**587.04**
—	HLX485100	RS485 100 ft. Extension	15	**274.15**
—	HLX485200	RS485 200 ft. Extension	5	**548.37**
—	HLXRLYLABL	Replacement Relay Label	10	**86.81**

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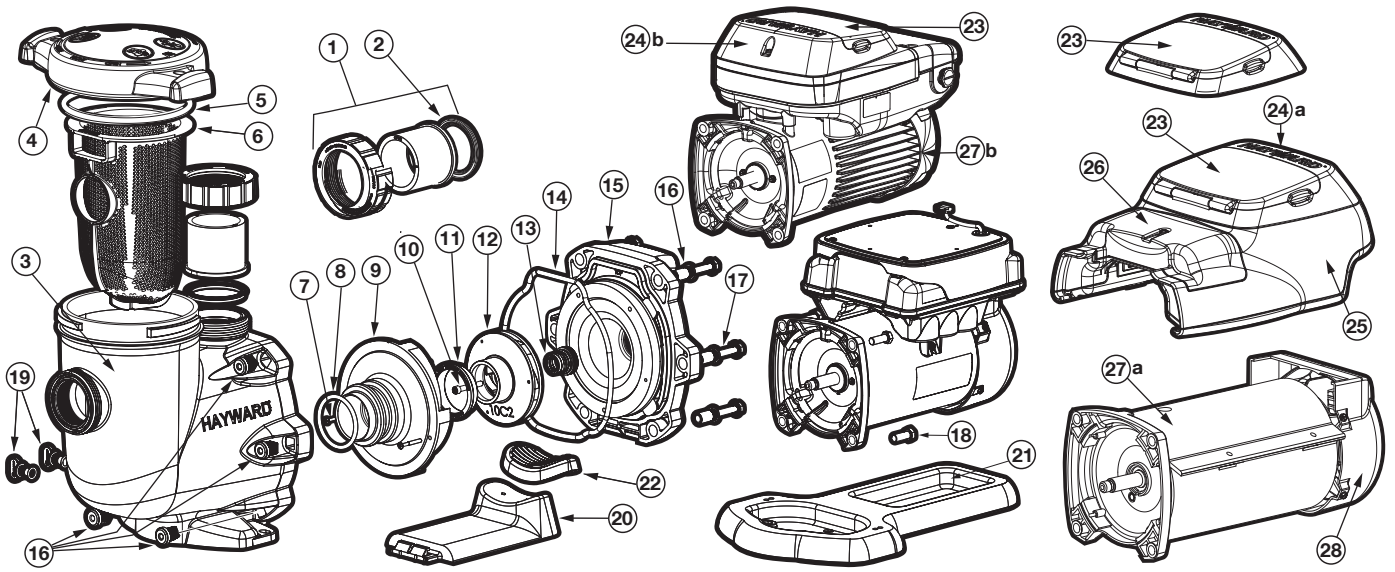
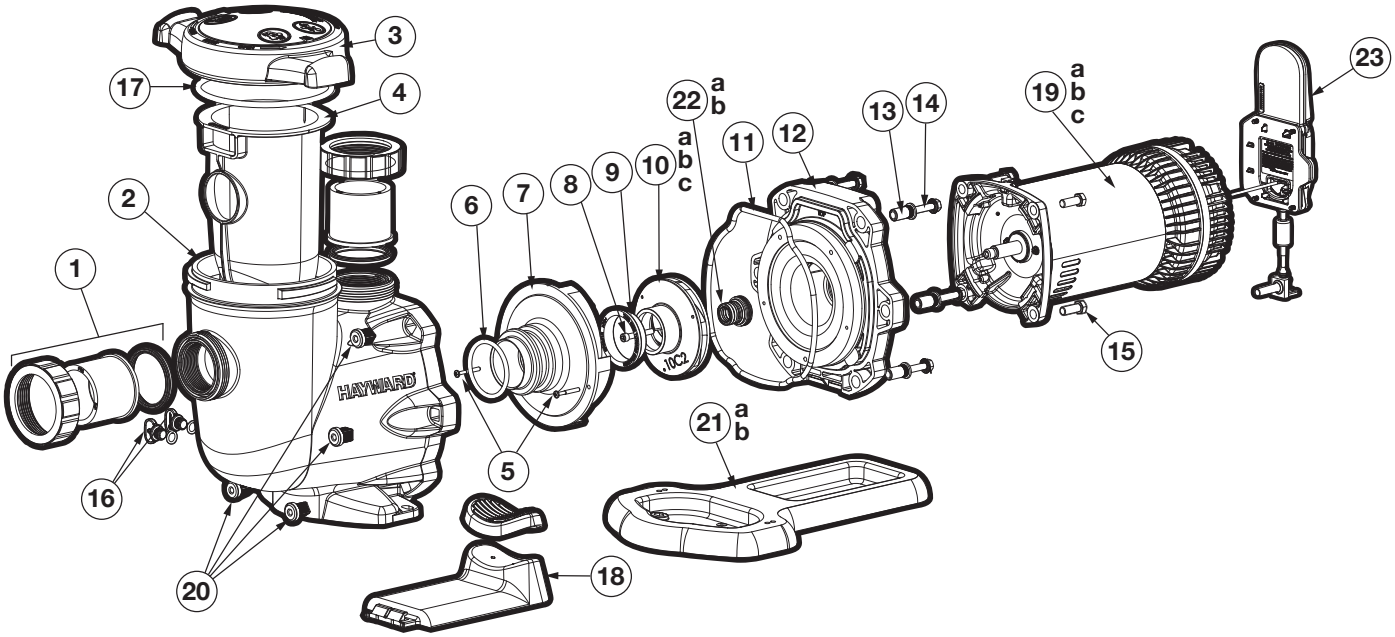
TriStar® VS

Parts for Pump Models: SP3200VSP, (W3)SP3202VSP, SP3200VSPND, SP3202VSPND, (W3)SP3206VSP, SP3206VSPVR



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$91.76**
2	SPX3200UG	Union Gasket (T-seal) *(2 per)*	100	**25.97**
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1	**632.31**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**168.62**
5	SPX3200S	Strainer Cover O-Ring	50	**28.66**
6	SPX3200M	Strainer Basket	2	**38.51**
7	SPX3200Z8	Diffuser Screws *(5 Pack)*	50	**22.48**
8	SPX4000Z1	Diffuser O-Ring	50	**25.65**
9	SPX3200B3	Diffuser	5	**83.65**
10	SPX3200Z1	Impeller Screw	50	**14.04**
11	SPX3021R	Impeller Ring	50	**12.01**
12	SPX3210C	Impeller with Impeller Screw (SP3200VSP, SP3202VSP, SP3200VSPND, SP3202VSPND, W3SP3202VSP)	10	**77.79**
—	SPX3220C	Impeller with Impeller Screw (SP3206VSP, SP3206VSPVR, W3SP3206VSP)	10	**107.38**
13	SPX4000SAV	Shaft Seal Assembly	10	**83.51**
14	SPX3200T	Housing O-Ring	50	**22.12**
15	SPX3200E	Seal Plate	5	**109.22**
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**49.55**
17	SPX3200Z3	Housing Bolt	50	**9.29**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**21.10**
19	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
20	SPX3200GA	Bracket, Motor Support	5	**84.61**
21	SPX3200WF	Riser Base Aligns with Inlet Port of Pentair® WhisperFlo® Pump	1	**81.61**
	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**80.08**
22	SPX3200Q2	Adapter-Motor Support	100	**20.56**
23	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	**84.98**
24a	SPX3400LCD	Digital Control Interface (SP3206VSP and SP3206VSPR, before January 2019)	1	**Discont'd**
24b	SPX3200LCD	Digital Control Interface Assembly (1.85 hp [all], 2.7 hp [after January 2019])	1	**788.91**
25	SPX3400DR	Motor Drive – Includes Digital Control Interface (SP3206VSP)	1	**2,193.47**
	SPX3400DRVR	Motor Drive, SVRS – Includes Digital Control Interface (SP3206VSPVR)	1	**Discont'd**
26	SPX3400DR2	Motor Drive Wiring Cover	5	**Discont'd**
27a	SPX3400Z1ECM	Motor Assembly (before January 2019)	1	**1,568.42**
27b	SPX3206Z1VSPE	Power End Assembly for (W3)SP3206VSP (after January 2019)	1	**3,394.26**
28	SPX3400FAN	Motor Fan Shroud (before January 2019)	5	**63.74**
—	SPX3400DRKIT	Wall Mount Kit	5	**240.92**
—	SPX3400DRCBL	Wall Mount Display Cable	5	**120.88**
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar® (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**71.61**
—	SPX3202Z1VSPE	Power End Assembly for W3SP3202VSP, SP3202VSP(ND), SP3200VSP(ND)	1	**2,612.98**
—	GLX-ACT-CONN	Actuator Connector	100	**23.32**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**78.41**

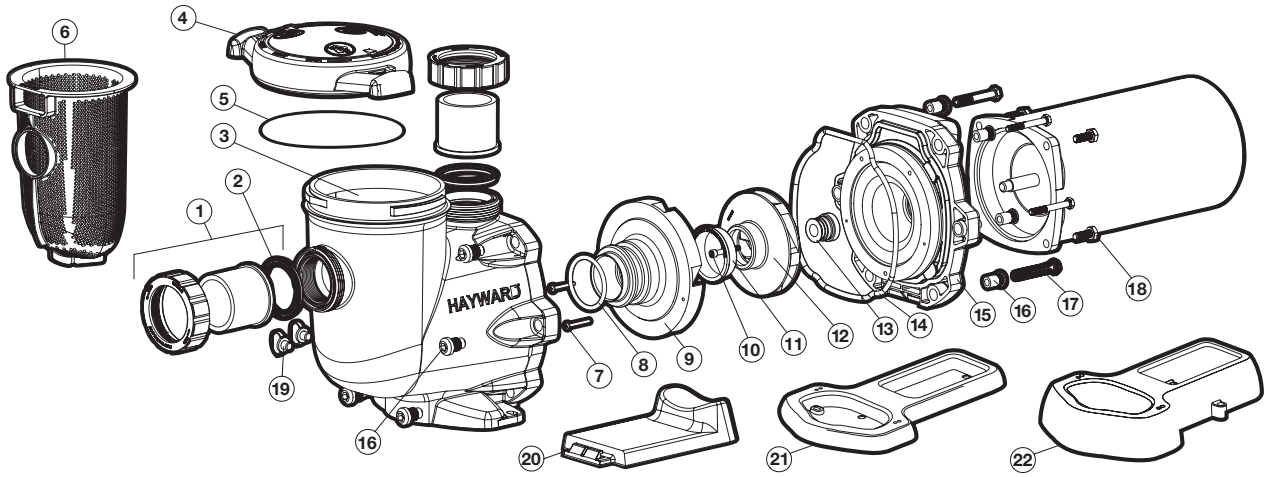
Parts for Pump Models: SP3207X10XE, SP3210X15XE, SP3215X20XE, VSP32810, VSP32815, VSP32820



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**$91.76**
2	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs	1	**632.31**
3	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring and O-Ring)	10	**168.62**
4	SPX3200M	Strainer Basket	2	**38.51**
5	SPX3200Z8	Diffuser Screw	50	**22.48**
6	SPX4000Z1	Diffuser O-Ring	50	**25.65**
7	SPX3200B3	Diffuser	5	**83.65**
8	SPX3200Z1	Impeller Screw	50	**14.04**
9	SPX3021R	Impeller Ring	50	**12.01**
10a	SPX3207C	1.25 THP Impeller with Impeller Screw	10	**74.76**
10b	SPX3210C	1.85 THP Impeller with Impeller Screw	10	**77.79**
10c	SPX3215C	2.25 THP Impeller with Impeller Screw	10	**91.72**
11	SPX3200T	Housing O-Ring	50	**22.12**
12	SPX3200E	Seal Plate	5	**109.22**
13	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**49.55**
14	SPX3200Z3	Housing Bolt	50	**9.29**
15	SPX3200Z5PAK4	Motor Bolt *(package of 4)*	50	**21.10**
16	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
17	SPX3200S	Strainer O-Ring	50	**28.66**
18	SPX3200GA	Motor Support	5	**84.61**
19a	VSX32810PE	1.25 HP Power End (Includes #5-12, 15, 18-19, 22-24)	1	**1,908.45**
19b	VSX32815PE	1.85 HP Power End (Includes #5-12, 15, 18-19, 22-24)	1	**2,201.90**
19c	VSX32820PE	2.25 HP Power End (Includes #5-12, 15, 18-19, 22-24)	1	**2,418.80**
20	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**49.55**
21a	SPX3200WF	Optional Riser Base (aligns with Pentair® WhisperFlo® pump*)	1	**81.61**
21b	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**80.08**
22a	SPX3200SA	Shaft Seal Assembly	10	**52.92**
22b	SPX4000SAV	Shaft Seal Assembly (Viton®)	10	**83.51**
23	VSPOMNIX	OmniX Module	5	**349.96**

*Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Parts for Pump Models: SP3205EE, SP3207EE, SP3210(2)EE, SP15(2)EE, SP3220(2)EE, SP3250EE, SP323063EE, SP36075EE, SP36120EE

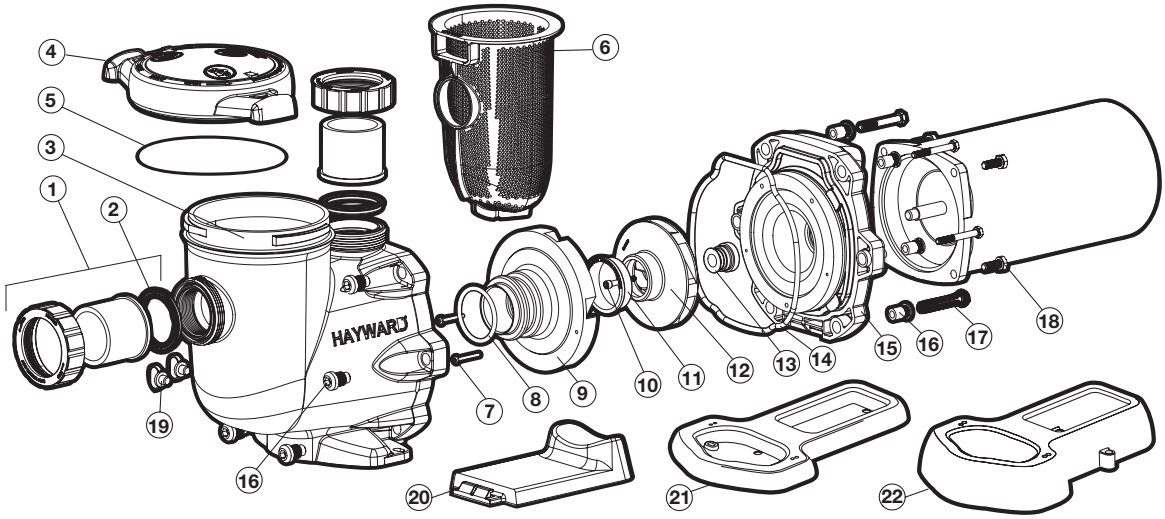


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$91.76**
2	SPX3200UG	Union Gasket (T-seal) *(2 per)*	100	**25.97**
3	SPX3200A	Pump Strainer Housing, 2" x 2" with Drain Plugs, Threaded Style	1	**632.31**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**168.62**
5	SPX3200S	Strainer Cover O-Ring	50	**28.66**
6	SPX3200M	Strainer Basket	2	**38.51**
7	SPX3200Z8	Diffuser Screws *(5 Pack)*	50	**22.48**
8	SPX4000Z1	Diffuser O-Ring	50	**25.65**
9	SPX3200B3	Diffuser	5	**83.65**
10	SPX3200Z1	Impeller Screw	50	**14.04**
11	SPX3021R	Impeller Ring	50	**12.01**
12	SPX3205C	Impeller for 1/2 H.P. with Impeller Screw	10	**74.76**
12	SPX3207CM	Impeller for 3/4 H.P. with Impeller Screw	10	**71.19**
12	SPX3210C	Impeller for 1 H.P. with Impeller Screw	10	**77.79**
12	SPX3215C	Impeller for 1 1/2 H.P. with Impeller Screw	10	**91.72**
12	SPX3220C	Impeller for 2 H.P. with Impeller Screw	10	**107.38**
12	SPX3230C	Impeller for 3 H.P. with Impeller Screw	10	**107.38**
12	SPX3230C5	Impeller for 5 H.P. with Impeller Screw	10	**107.38**
12	SPX3230CU	Impeller for 120 GPM Waterfall with Impeller Screw	10	**Discont'd**
13	SPX4000SAV	Shaft Seal Assembly	10	**83.51**
14	SPX3200T	Housing O-Ring	50	**22.12**
15	SPX3200E	Seal Plate	5	**109.22**
16	SPX3200Z211	Housing Insert and Seal Plate Spacer Kit	50	**49.55**
17	SPX3200Z3	Housing Bolt	50	**9.29**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**21.10**
19	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
20	SPX3200GA	Bracket, Motor, Support	5	**84.61**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**81.61**
22	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**80.08**
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**71.61**
	Power Ends*/Motor Part No.			
	SPX3205Z1PE/SPX3205Z1BER	1/2 H.P. Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3207Z1PE/SPX3207Z1BER	3/4 H.P. Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3210Z1PE/SPX3210Z1BER	1 H.P. Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3215Z1PE/SPX3215Z1BER	1 1/2 H.P. Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3220Z1PE/SPX3220Z1BER	2 H.P. Energy Efficient Full Rate	1	**$1,401.04/Discont'd**
	SPX3230Z1PE/SPX3230Z1BER	3 H.P. Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3250Z1PE/SPX3240Z1MER	5 H.P. Energy Efficient Full Rate	1	**2,250.02/Discont'd**
	SPX3210Z2PE/SPX3210Z2BER	1 H.P. 2 speed Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3215Z2PE/SPX3215Z2BER	1 1/2 H.P. 2 speed Energy Efficient Full Rate	1	**1,751.20/1,138.56**
	SPX3220Z2PE/SPX3220Z2BER	2 H.P. 2 speed Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3220Z1PE3V/SPX3220Z1DRV	2 H.P. 3 phase Energy Efficient Full Rate	1	**Discont'd/Discont'd**
	SPX3230Z1PE3	3 H.P. 3 phase Energy Efficient Full Rate	1	**1,275.46**
	SPX3605Z1BER	Motor – Waterfall 75–120 GPM	1	**1,244.73**

NOTES: *Power End includes Motor, Seal Plate, Seal Diffuser (Includes Ref. #7–18 and Motor)

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Parts for Pump Models: SP3205X7, (W3)SP3207X10, (W3)SP2010X15(2), (W3)SP3215X20(2), SP3220X25(2), SP3225X30



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Nut, Connector, Gasket)	10	**$91.76**
2	SPX3200UG	Union Gasket (T-seal), 50 duro EPDM *(2 per pack)*	100	**25.97**
3	SPX3200A	Pump Strainer Housing, 2" x 2" with Drain Plugs, threaded style	1	**632.31**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**168.62**
5	SPX3200S	Strainer Cover O-Ring	50	**28.66**
6	SPX3200M	Strainer Basket	2	**38.51**
7	SPX3200Z8	Diffuser Screws *(5 Pack)*	50	**22.48**
8	SPX4000Z1	Diffuser O-Ring	50	**25.65**
9	SPX3200B3	Diffuser	5	**83.65**
10	SPX3200Z1	Impeller Screw	50	**14.04**
11	SPX3021R	Impeller Ring	50	**12.01**
12	SPX3205C	Impeller for 3/4 H.P. with Impeller Screw	10	**74.76**
12	SPX3207CM	Impeller for 1 H.P. with Impeller Screw	10	**71.19**
12	SPX3210C	Impeller for 1 1/2 H.P. with Impeller Screw	10	**77.79**
12	SPX3215C	Impeller for 2 H.P. with Impeller Screw	10	**91.72**
12	SPX3220CM	Impeller for 2 1/2 H.P. with Impeller Screw	10	**107.26**
12	SPX3230C	Impeller for 3 H.P. with Impeller Screw	10	**107.38**
13	SPX4000SAV	Shaft Seal Assembly	10	**83.51**
14	SPX3200T	Housing O-Ring	50	**22.12**
15	SPX3200E	Seal Plate	5	**109.22**
16	SPX3200Z211	Housing Insert and Seal Plate Spacer Kit	50	**49.55**
17	SPX3200Z3	Housing Bolt	50	**9.29**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**21.10**
19	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
20	SPX3200GA	Bracket, Motor, Support	5	**84.61**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**81.61**
22	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**80.08**
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**71.61**
	Power Ends*/Motor Part No.			
	SPX3205X7Z1PE/SPX3205Z1MR	3/4 H.P. Standard Efficient Max Rate	1	**Discont'd/Discont'd**
	SPX3207X10Z1PE/SPX3207Z1MR	1 H.P. Standard Efficient Max Rate	1	**$886.81/Discont'd**
	SPX3210X15Z1PE/SPX3210Z1MR	1 1/2 H.P. Standard Efficient Max Rate	1	**972.30/Discont'd**
	SPX3215X20Z1PE/SPX3215Z1MR	2 H.P. Standard Efficient Max Rate	1	**1,147.15/Discont'd**
	SPX3220X25Z1PE/SPX3220Z1MR	2 1/2 H.P. Standard Efficient Max Rate	1	**693.37/Discont'd**
	SPX3225X30Z1PE/SPX3225Z1MR	3 H.P. Standard Efficient Max Rate	1	**Discont'd/Discont'd**
	SPX3210X15Z2PE/SPX3210Z2MER	1 1/2 H.P. 2 speed Standard Efficient Max Rate	1	**Discont'd/Discont'd**
	SPX3215X20Z2PE/SPX3215Z2MER	2 H.P. 2 speed Standard Efficient Max Rate	1	**Discont'd/Discont'd**
	SPX3220X25Z2PE/SPX3220Z2MER	2 1/2 H.P. 2 speed Standard Efficient Max Rate	1	**Discont'd/Discont'd**

NOTES: *Power End includes Motor, Seal Plate, Seal Diffuser (Includes Ref. #7–18 and Motor)

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

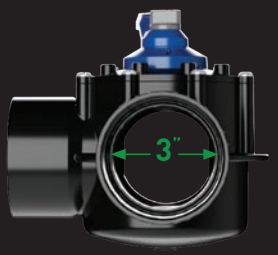
INDUSTRY-FIRST TRUE 3-INCH VALVE.

3-INCH VALVES: 3-WAY, 2-WAY & CHECK VALVES

Introducing the ultimate solution for efficient flow control. Engineered to minimize headloss while delivering impressive flow rates of up to 230 gpm, these valves are designed to set new standards in performance and reliability. This family of diverter valves delivers 3-way, 2-way, and check valve options for flexibility across projects.

- » Robust ergonomically-designed handle with adjustable common with clear closed port indication.
- » Eliminating couplings, it reduces cost along with the number of glue joints for less failure points and a cleaner installation overall.
- » All components are made of corrosion resistant materials allowing for proper function over an extended life.

Industry-first family of 3" diverter valves to cover all of your needs.



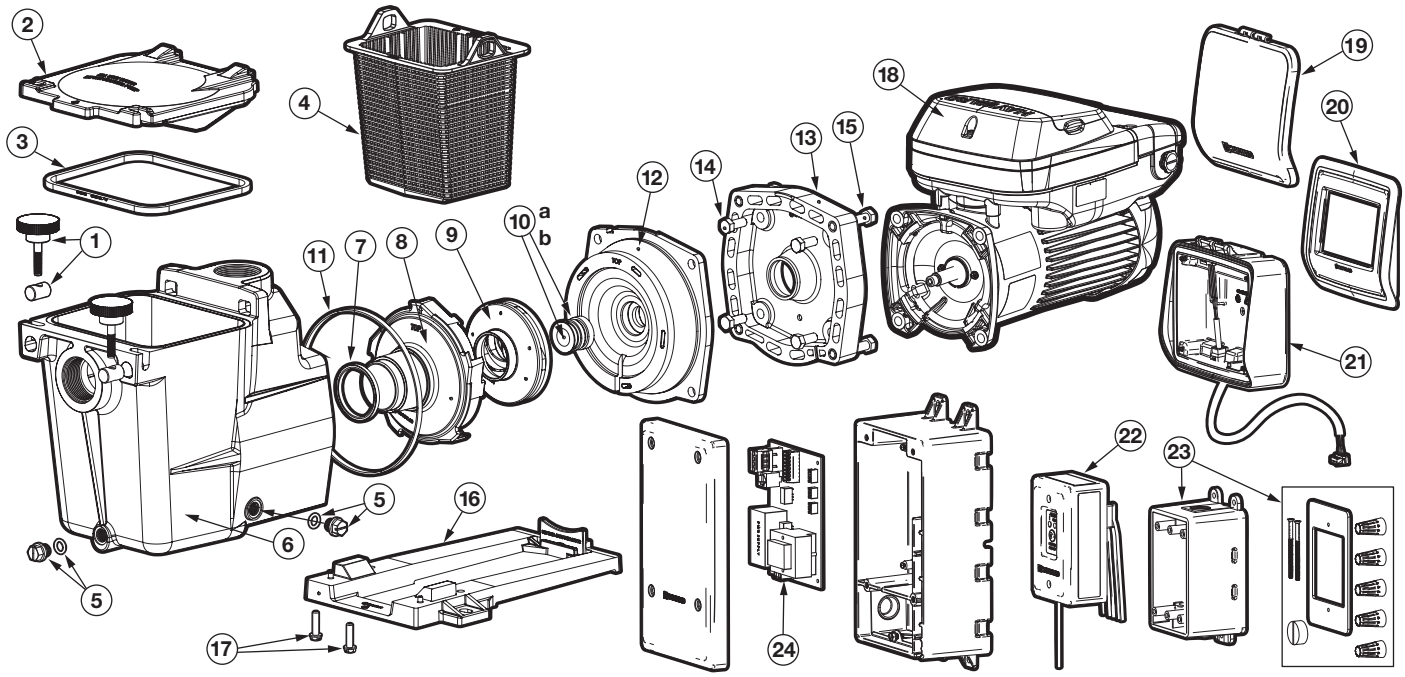
Lower Headloss up to 230gpm vs. Jandy at 170gpm*.

Industrial, High-Performance Seal for superior chemical resistance for long-term durability.

Clear Closed Port Indication for easy-to-identify flow management.

*Based on independent third party testing data.

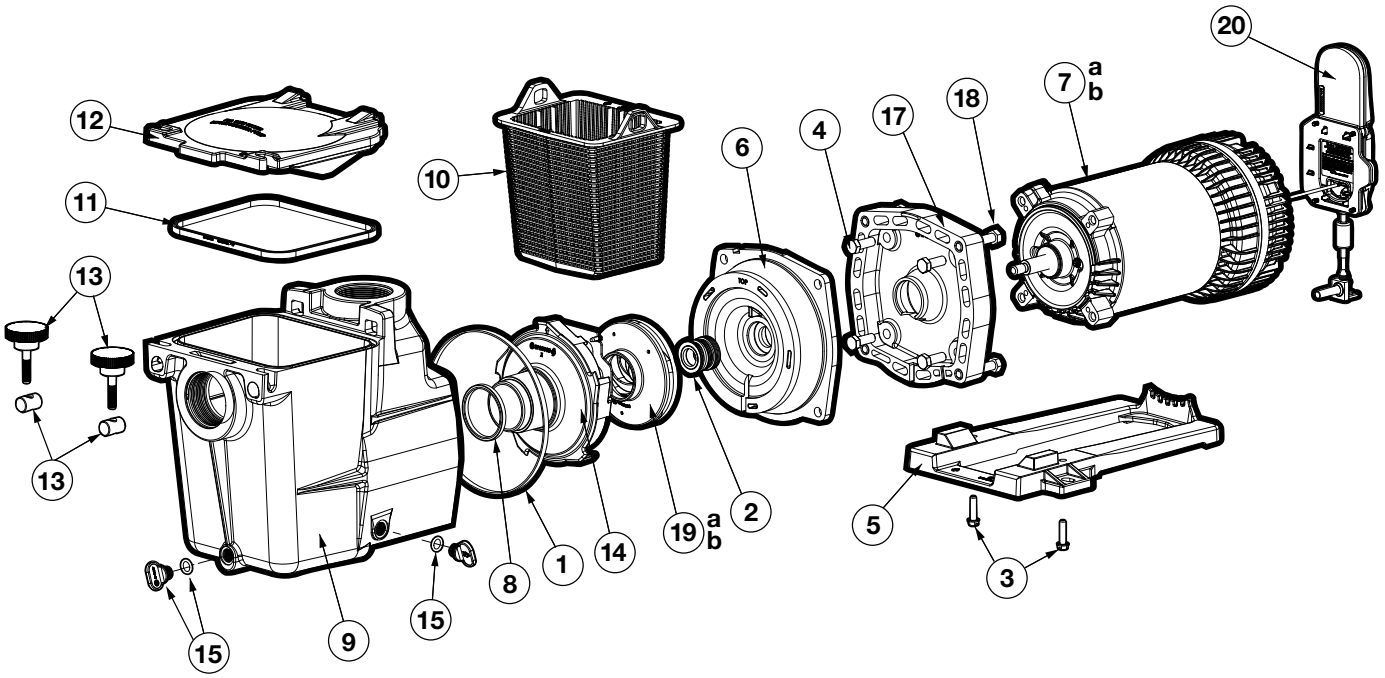
Parts for Pump Models: HL2670020VSP



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1600PN	Swivel Nut and Hand Knob	100	**$29.93**
2	SPX1600D	Strainer Cover	10	**124.34**
3	SPX1600S	Strainer Cover Gasket	50	**22.60**
4	SPX1600M	Basket	20	**32.45**
5	SPX4000FG	Wingnut Drain Plug with Gasket	50	**9.03**
6	SPX1620AA	Pump/Strainer Housing with Gasket	1	**585.72**
7	SPX1600R	Diffuser Gasket	25	**7.53**
8	SPX2600B	Diffuser	10	**70.45**
9	SPX2610C	Impeller for Dual Voltage and 230V Models	20	**73.68**
	SPX2607C	Impeller for 115V Only Models	10	**71.75**
10	SPX1600Z2VIT	Viton® Shaft Seal Assembly	10	**51.08**
11	SPX1600T	Housing Gasket	50	**18.83**
12	SPX2600E5	Seal Plate	10	**93.90**
13	SPX1600F5	Motor Mounting Plate	10	**88.23**
14	SPX0125Z44	Motor Cap Screws *(Set of 4)*	20	**18.97**
15	SPX1600Z4	Housing Cap Screw	100	**10.31**
16	SPX2600G1	Mounting Foot (Includes Screws)	10	**35.14**
17	SPX1600Z52	Mounting Foot Screws *(Set of 2)*	1	**9.88**
18	SPX3200LCD	Digital Control Interface Assembly	1	**788.91**
19	HLXDCOVER	Sun Cover Replacement	5	**49.01**
20	HLXDLCD	LCD Disp Replacement	5	**343.34**
21	HLXDSPCASE	Case Replacement	1	**104.16**
22	HLX485RELAY	Replacement RS485 Relay	1	**520.95**
23	HLXJBOX	Replacement Jbox	1	**46.74**
24	HLX485100	RS485 100 ft. Extension	15	**274.15**
—	HLXHW5PK	OmniHub Hardware - Not Shown *(5 pack)*	10	**49.01**
—	HLXWHIP6	Omni 6 ft. Whip – Not Shown	5	**115.97**
—	HLH485RELAY	Omni RS485 Smart Relay	1	**587.04**
—	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	**84.98**
—	SPX3400DRKIT	Wall Mount Kit	5	**240.92**
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10	**57.11**
—	HLX485200	RS485 200 ft. Extension	5	**548.37**
—	HLXHIOPCB	OmniHub PCB	1	**403.36**
—	HLXRLYLABL	Replacement Relay Label	10	**86.81**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**78.41**
POWER END				
—	SPX2603Z1VSPE	Power End Assembly for all models (Includes #7-14, motor and drive)	1	**$2,287.26**

Super Pump® VS 600 Series

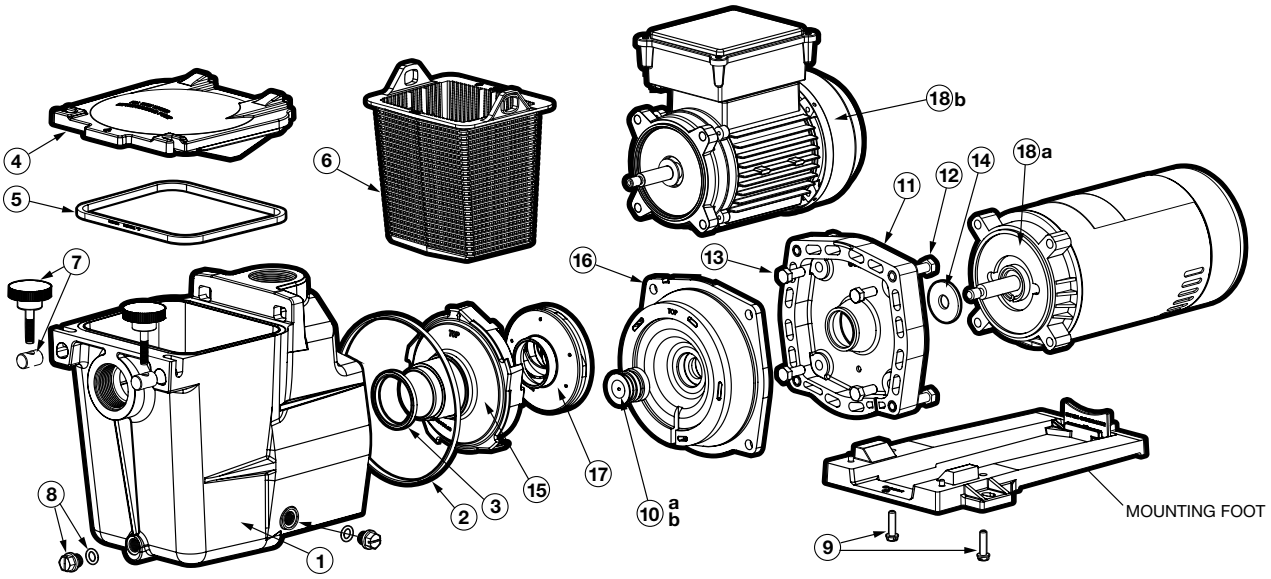
Parts for Pump Models: SP2610X15XE, SP2615X20XE, VSP26615, VSP26620



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1600T	Housing Gasket	50	**$18.83**
2a	SPX1600Z2	Shaft Seal Assembly	10	**45.14**
2b	SPX1600Z2VIT	Shaft Seal Assembly (Viton®)	10	**51.08**
3	SPX1600Z52	Mounting Foot Screws *(Set of 2)*	1	**9.88**
4	SPX3200Z5PAK4	Motor Cap Screws *(Set of 4)*	50	**21.10**
5	SPX2600G1	Mounting Foot, VSP (Includes Screws)	10	**35.14**
6	SPX2600E5	Seal Plate	10	**93.90**
7a	VSX26615PE	1.65 HP Power End (Includes #2, 4, 6-8, 14, 17, 19-20)	1	**1,863.10**
7b	VSX26620PE	2.25 HP Power End (Includes #2, 4, 6-8, 14, 17, 19-20)	1	**2,087.05**
8	SPX1600R	Diffuser Gasket	25	**7.53**
9	SPX1620AA	Pump Strainer Housing with Gasket	1	**585.72**
10	SPX1600M	Basket	20	**32.45**
11	SPX1600S	Strainer Cover Gasket	50	**22.60**
12	SPX1600D	Strainer Cover	10	**124.34**
13	SPX1600PN	Swivel Nut and Hand Knob	100	**29.93**
14	SPX2600B	Diffuser	10	**70.45**
15	SPX1700FG	Drain Plug with Gasket	50	**9.34**
17	SPX1600F5	Motor Mounting Plate	10	**88.23**
18	SPX1600Z4	Housing Cap Screw	100	**10.31**
19a	SPX2610C	1.65 THP Impeller	20	**73.68**
19b	SPX2615C	2.25 THP Impeller	25	**90.73**
20	VSPOMNIX	OmniX Module	5	**349.96**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Parts for Pump Models: SP2670007X10, SP2670010X15, (W3)SP2600X5, (W3)SP2605X7, (W3)SP2607X10(2S), SP2607EE, (W3)SP2610X15(2S), SP2615X20(2S), SP2621X25

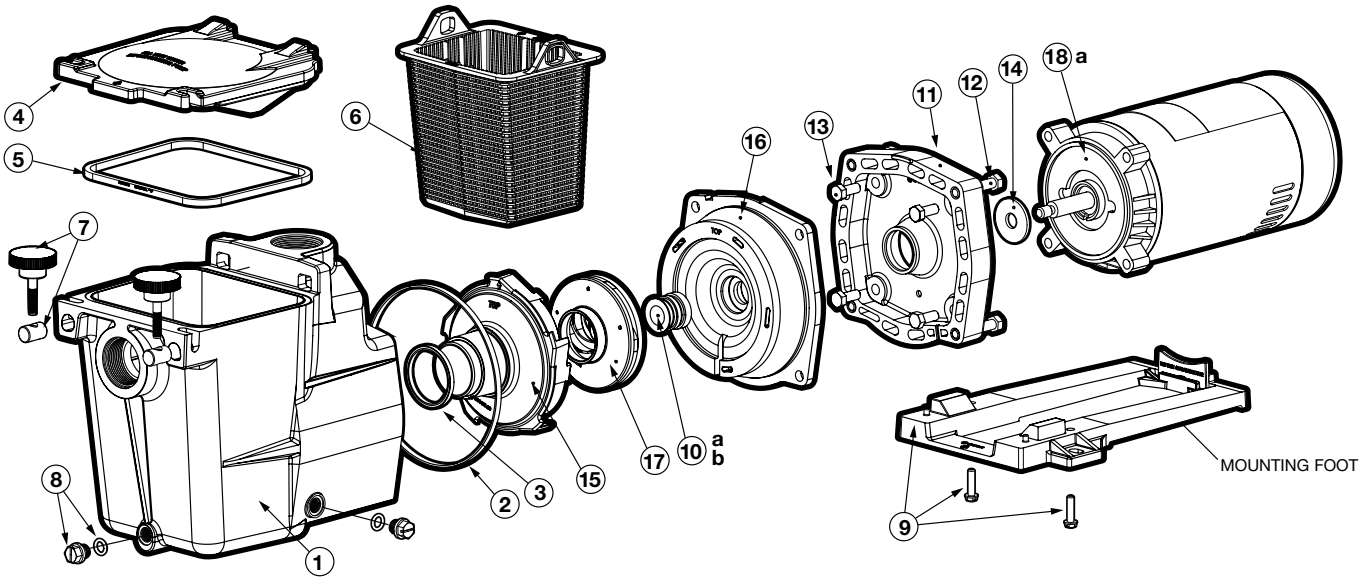


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1620AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	**$585.72**
2	SPX1600T	Housing Gasket	50	**18.83**
3	SPX1600R	Diffuser Gasket	25	**7.53**
—	SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10	**68.92**
4	SPX1600D	Strainer Cover	10	**124.34**
4	SPX1600DB	Strainer Cover for Biguanide Sanitizers NOT Pressure Testable	10	**Discont'd**
5	SPX1600S	Strainer Cover Gasket	50	**22.60**
6	SPX1600M	Basket	20	**32.45**
7	SPX1600PN	Hand Knob Kit (Includes Swivel Nut and Hand Knob)	100	**29.93**
—	SPX1700FG	1/4" Drain Plug with Gasket (1992–2021)	50	**9.34**
8	SPX4000FG	1/4" Wingnut Drain Plug with Gasket (2021 and later)	50	**9.03**
9	SPX2600G1	Mounting Foot with Adapter and Screws	10	**35.14**
—	SPX1600Z52	Mounting Foot Cap Screw (Set of 2 – 1995 and Prior, 2 sets required)	1	**9.88**
10a	SPX1600Z2	Shaft Seal Assembly (SP2605X7, SP2607X10(2S), SP2607EE, SP2610X15(2S), SP2615X20(2S), SP2621X25)	10	**45.14**
10b	SPX1600Z2VIT	Viton® Shaft Seal Assembly (SP2670007X10, SP2670010X15)	10	**51.08**
11	SPX1600F5	Motor Mounting Plate	10	**88.23**
12	SPX1600Z4	Housing Cap Screw	100	**10.31**
13	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	**18.97**
14	SPX0125F	Slinger	50	**7.48**
15	SPX2600B	Diffuser, for 1/2 thru 2 H.P.	10	**70.45**
15	SPX1616B	Diffuser, for 2 1/2 H.P. only	10	**87.47**
16	SPX2600E5	Seal Plate, 1/2 thru 2 H.P.	10	**93.90**
16	SPX1611E5	Seal Plate, for 2 1/2 H.P. only	5	**117.12**
—	SPXHKIT3	H-KIT Quick Pump Repair for Super Pump (Includes SPX1600T, SPX1600S, SPX1600R, SPX1600Z2 and Jack's Lube)	10	**57.11**
Parts listed below must be ordered for specific model and H.P.:				
17	SPX2600C	Impeller, for 1/2 H.P.	20	**$71.24**
17	SPX2605C	Impeller, for 3/4 H.P.	20	**69.55**
17	SPX2607C	Impeller, for 1 H.P.	10	**71.75**
17	SPX2610C	Impeller, for 1 1/2 H.P.	20	**73.68**
17	SPX2615C	Impeller, for 2 H.P.	25	**90.73**
17	SPX1621C	Impeller, for 2 1/2 H.P.	20	**113.07**
18a	SPX1600Z1M	Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1	**586.49**
	SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**592.36**
	SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**656.82**
	SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**Discont'd**
	SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**1,031.62**
	SPX1620Z1M	Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**1,211.12**
	SPX1607Z2MS	Motor, 1 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	**Discont'd**
	SPX1610Z2MS	Motor, 1 1/2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	**Discont'd**
	SPX1615Z2MS	Motor, 2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	**Discont'd**
18b	SPX2607Z1MTG	Motor, 1 H.P., Threaded Shaft, TEFC (SP2670007X10 after March 2019)	1	**744.75**
	SPX2610Z1MTG	Motor, 1 1/2 H.P., Threaded Shaft, TEFC (SP2670010X15 after March 2019)	1	**837.12**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Super Pump®

Parts for Pump Models: SP1600X5, SP1605X7, SP1607X10, SP1608X10, SP1610X15, SP1611X15, SP1615X20, SP1616X20, SP1621X25

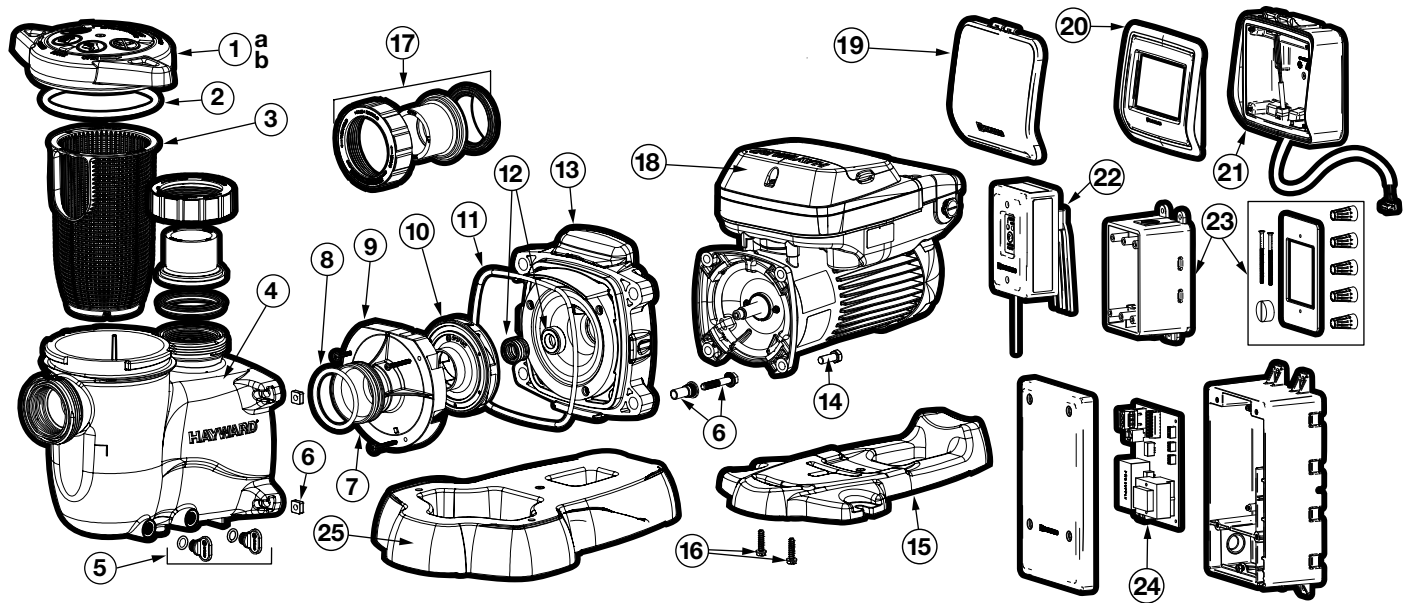


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1620AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	**$585.72**
2	SPX1600T	Housing Gasket	50	**18.83**
3	SPX1600R	Diffuser Gasket	25	**7.53**
—	SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10	**68.92**
4	SPX1600D	Strainer Cover	10	**124.34**
	SPX1600DB	Strainer Cover for Biguanide Sanitizers **NOT** Pressure Testable	10	**Discont'd**
5	SPX1600S	Strainer Cover Gasket	50	**22.60**
6	SPX1600M	Basket	20	**32.45**
7	SPX1600PN	Hand Knob Kit (Includes Swivel Nut and Hand Knob)	100	**29.93**
—	SPX1600V	1/4" Drain Plug (1991 and Prior)	50	**4.53**
8	SPX1700FG	1/4" Drain Plug with Gasket (1992 and later)	50	**9.34**
9	SPX2600G1	Mounting Foot with Adapter and Screws	10	**35.14**
—	SPX1600Z52	Mounting Foot Cap Screw (*Set of 2* – 2 Sets Required)	1	**9.88**
10	SPX1600Z2	Seal Assembly	10	**45.14**
11	SPX1600F5	Motor Mounting Plate	10	**88.23**
12	SPX1600Z4	Housing Cap Screw	100	**10.31**
13	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	**18.97**
14	SPX0125F	Slinger	50	**7.48**
—	SPXHKIT3	H-KIT Quick Pump Repair for Super Pump (Includes SPX1600T, SPX1600S, SPX1600R, SPX1600Z2 and Jack's Lube)	10	**57.11**
	Med. Hd.	**High Hd.**	**Parts listed below must be ordered for specific model and H.P.:**	
—	SPX2600CKIT*	—	1/2 H.P. Drive Train Upgrade	1	**Discont'd**
—	SPX2605CKIT*	—	3/4 H.P. Drive Train Upgrade	1	**$339.97**
—	SPX2607CKIT*	—	1 H.P. Drive Train Upgrade	1	**343.34**
—	SPX2610CKIT*	—	1 1/2 H.P. Drive Train Upgrade	1	**347.41**
—	SPX2615CKIT*	—	2 H.P. Drive Train Upgrade (All above kits include Impeller, Diffuser, Seal Plate, Housing Gasket, Diffuser Gasket and Motor Mounting Plate)	1	**354.92**
16	—	SPX1611E5	Seal Plate 2 1/2 H.P.	5	**117.12**
17	—	SPX1621C	Impeller, for 2 1/2 H.P. Max Rated	20	**113.07**
18	SPX1600Z1M		Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1	**586.49**
	SPX1605Z1M		Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**592.36**
	SPX1607Z1M		Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**656.82**
	SPX1610Z1M		Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**Discont'd**
	SPX1615Z1M		Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**1,031.62**
	SPX1620Z1M		Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**1,211.12**

NOTES: *For pumps with an "SP1600X–" part number (manufactured before 1983), the use of these new kits (SPX2600CKIT – SPX2615CKIT) will upgrade the old pump to our current "SP2600X–" series. This will improve flow, reduce noise and provide slightly better energy efficiencies. All individual components included in the kits are not available.

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

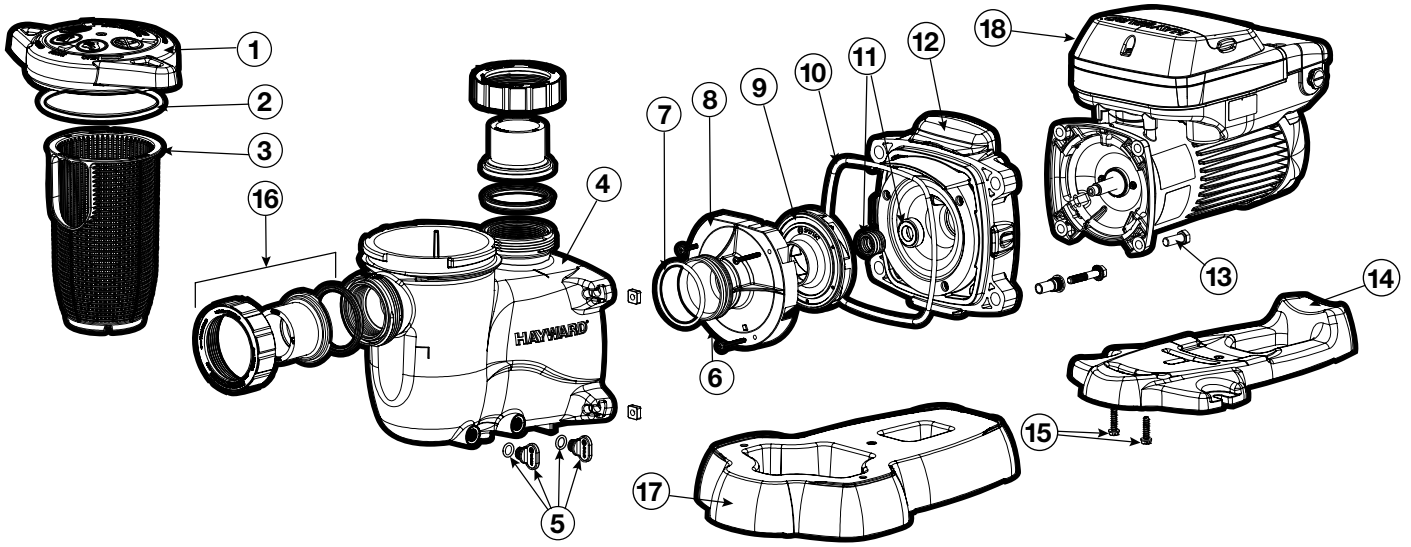
Parts for Pump Models: HL2350020VSP



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10	**$162.17**
2	SPX2300Z4	Strainer Cover O-Ring	50	**27.38**
3	SPX2300M	Strainer Basket	5	**33.24**
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**730.90**
5	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
6	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers, Square Nuts)	10	**Discont'd**
7	SPX3200Z8	Diffuser Screws *(5 pack)*	50	**22.48**
8	SX220Z2	Diffuser O-Ring	10	**20.44**
9	SPX2300B	Diffuser	5	**71.24**
10	SPX2710CM	Impeller	10	**71.19**
11	GMX600F	Housing O-Ring	100	**32.25**
12	SPX2700SAV	Viton® Shaft Seal Assembly	10	**77.81**
13	SPX2300E	Seal Plate	5	**94.86**
14	SPX3200Z5PAK4	Motor Bolt *(4 pack)*	50	**21.10**
15	SPX2300G	Motor Support with Base Mount Screws	5	**Discont'd**
16	SPX1600Z52	Motor Support Base Mount Screws	1	**9.88**
17	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**123.12**
18	SPX3200LCD	Digital Control Interface Assembly	1	**788.91**
19	HLXDCOVER	Sun Cover Replacement	5	**49.01**
20	HLXDLCD	LCD Disp Replacement	5	**343.34**
21	HLXDSPCASE	Case Replacement	1	**104.16**
22	HLX485RELAY	Replacement RS485 Relay	1	**520.95**
23	HLXJBOX	Replacement Jbox	1	**46.74**
24	HLXHIOPCB	OmniHub PCB	1	**403.36**
—	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	**84.98**
—	SPX3400DRKIT	Wall Mount Kit	5	**240.92**
—	HLH485RELAY	Omni RS485 Smart Relay	1	**587.04**
—	HLX485100	RS485 100 ft. Extension	15	**274.15**
—	HLX485200	RS485 200 ft. Extension	5	**548.37**
—	HLXHW5PK	OmniHub Hardware - Not Shown *(5 pack)*	10	**49.01**
—	HLXWHIP6	Omni 6 ft. Whip - Not Shown	5	**115.97**
—	HLXRLYLABL	Replacement Relay Label	10	**86.81**
OPTIONAL				
25	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1	**$76.68**
POWER END				
—	SPX2303Z1VSPE	Power End Assembly (Includes parts #7–14, Motor and Drive)	1	**$2,293.84**

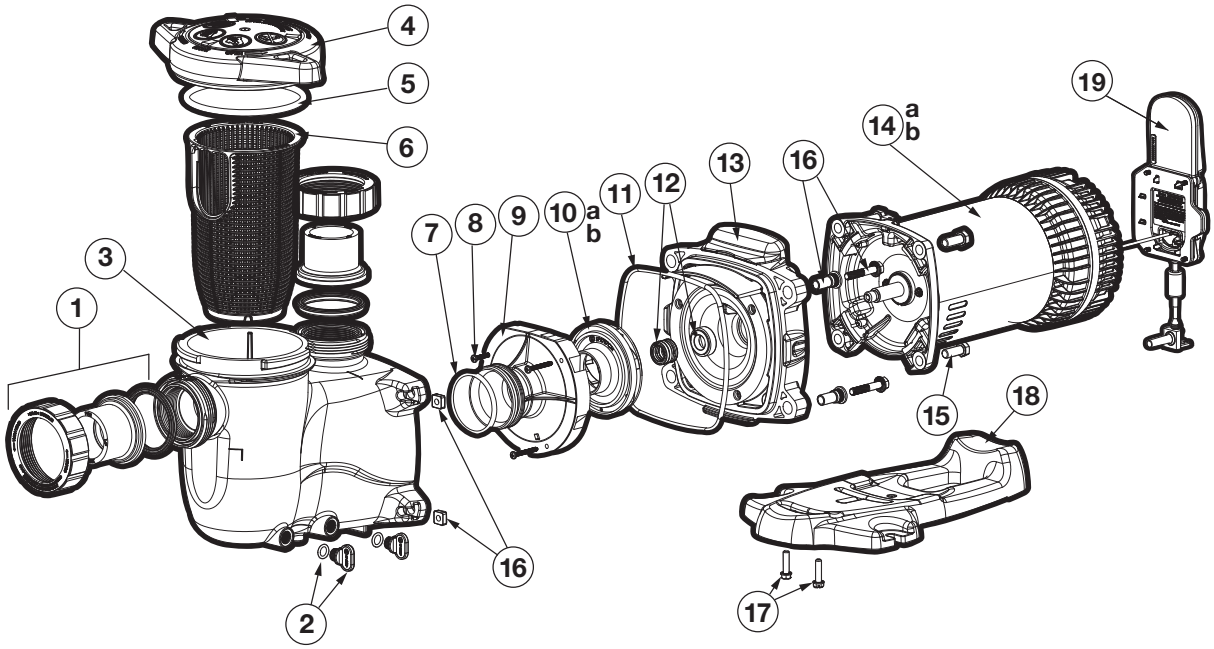
MaxFlo® VS

Parts for Pump Models: SP2300VSP, SP2302VSP, SP2302VSPND



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10	**$162.17**
2	SPX2300Z4	Strainer Cover O-Ring	50	**27.38**
3	SPX2300M	Strainer Basket	5	**33.24**
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**730.90**
5	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
6	SPX3200Z8	Diffuser Screws *(5 Pack)*	50	**22.48**
7	SX220Z2	Diffuser O-Ring	10	**20.44**
8	SPX2300B	Diffuser	5	**71.24**
9	SPX2300CVS	Impeller	10	**90.73**
10	GMX600F	Housing O-Ring	100	**32.25**
11	SPX2700SA	Shaft Seal Assembly	10	**Discont'd**
12	SPX2300E	Seal Plate	5	**94.86**
13	SPX3200Z5PAK4	Motor Bolt *(4 Pack)*	50	**21.10**
14	SPX2300G	Motor Support with Base Mount Screws	5	**Discont'd**
15	SPX1600Z52	Motor Support Base Mount Screws	1	**9.88**
16	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**123.12**
17	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1	**76.68**
18	SPX3200LCD	Digital Control Interface Assembly	1	**788.91**
—	SPX3400DRKIT	Wall Mount Kit	5	**240.92**
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10	**57.11**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**78.41**
POWER END				
—	SPX2303Z1VSPE	Power End Assembly (Includes parts #7–14, Motor and Drive)	1	**$2,293.84**

Parts for Pump Models: SP2310X15XE, SP2315X20XE, VSP23415, VSP23420

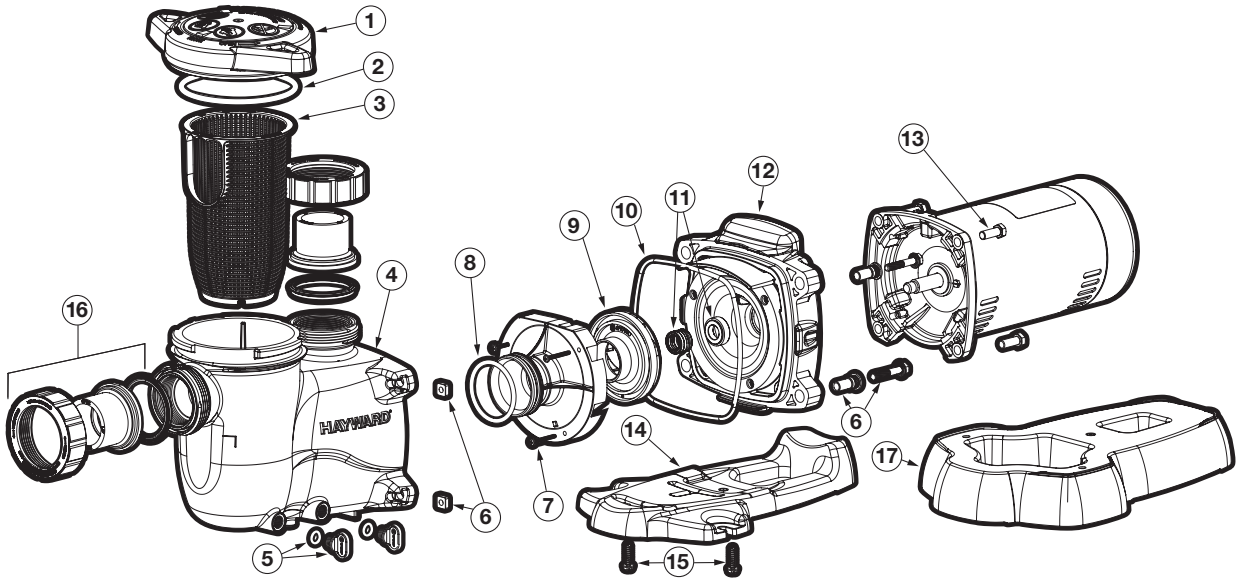


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**$123.12**
2	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
3	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**730.90**
4	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10	**162.17**
5	SPX2300Z4	Strainer Cover O-Ring	50	**27.38**
6	SPX2300M	Strainer Basket	5	**33.24**
7	SX220Z2	Diffuser O-Ring	10	**20.44**
8	SPX3200Z8	Diffuser Screws	50	**22.48**
9	SPX2300B	Diffuser	5	**71.24**
10a	SPX2710CM	1.65 THP Impeller	10	**71.19**
10b	SPX2715CM	2.25 THP Impeller Housing O-Ring Shaft Seal Assembly	10	**90.73**
11	GMX600F	Housing O-Ring	100	**32.25**
12a	SPX2700SA	Shaft Seal Assembly	10	**Discont'd**
12b	SPX2700SAV	Shaft Seal Assembly (Viton®)	10	**77.81**
13	SPX2300E	Seal Plate	5	**94.86**
14a	VSX23415PE	1.65 HP Power End (Includes #7-15, 19)	1	**1,861.16**
14b	VSX23420PE	2.25 HP Power End (Includes #7-15, 19)	1	**1,958.64**
15	SPX3200Z5PAK4	Motor Bolt *(package of 4)*	50	**21.10**
16	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers and Square Nuts)	10	**Discont'd**
17	SPX1600Z52	Motor Support Base Mount Screws	1	**9.88**
18	SPX2300G	Motor Support (VSP) with Base Mount Screws	5	**Discont'd**
19	VSPOMNIX	OmniX Module	5	**349.96**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

MaxFlo® XL

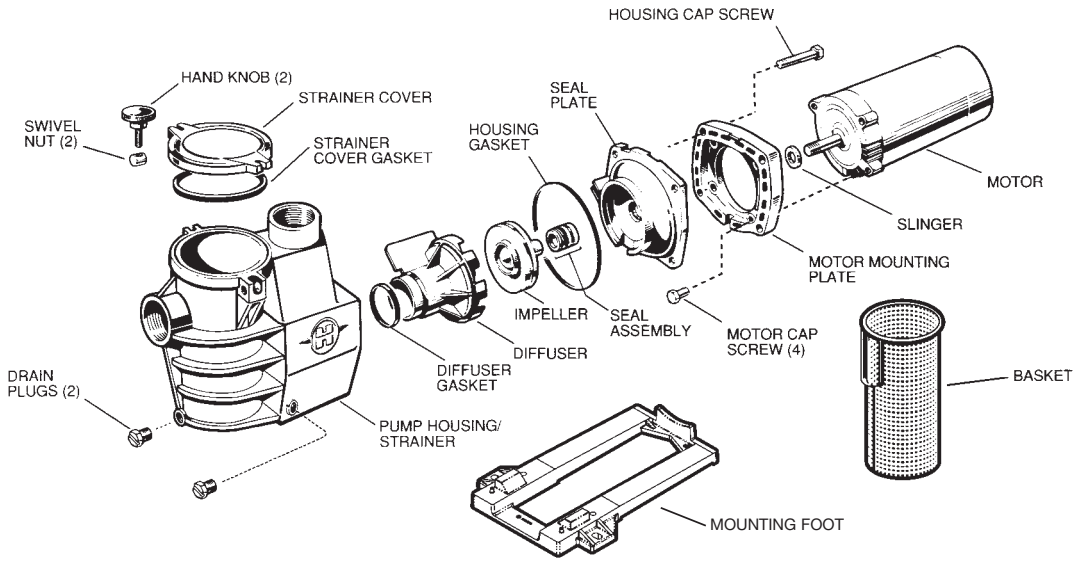
Parts for Pump Models: SP2305X7(EE)(SP), (W3)SP2307X10(2), (W3)SP2310X15(2), (W3)SP2315X20(2)



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2300DLSB	Strainer Cover Kit for Biguanide Sanitizers	10	**Discont'd**
2	SPX2300Z4	Strainer Cover O-Ring	50	**$27.38**
3	SPX2300M	Strainer Basket	5	**33.24**
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**730.90**
5	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
6	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers and Square Nuts)	10	**Discont'd**
7	SPX3200Z8	Diffuser Screws *(Pack of 5)*	50	**22.48**
8	SX220Z2	Diffuser O-Ring	10	**20.44**
9	SPX2700C	Impeller for 3/4 H.P. Max-Rate Pump	10	**71.24**
	SPX2700CSP	Impeller for Pump Model SP2305X7EESP	1	**Discont'd**
	SPX2707CM	Impeller for 1 H.P. Max-Rate Pump	10	**69.18**
	SPX2710CM	Impeller for 1 1/2 H.P. Max-Rate Pump	10	**71.19**
	SPX2715CM	Impeller for 2 H.P. Max-Rate Pump	10	**90.73**
10	GMX600F	Housing O-Ring	100	**32.25**
11	SPX2700SA	Shaft Seal Assembly	10	**Discont'd**
12	SPX2300E	Seal Plate	5	**94.86**
13	SPX3200Z5PAK4	Motor Bolt *(Pack of 4)*	50	**21.10**
14	SPX2300G	Motor Support with Base Mount Screws	5	**Discont'd**
15	SPX1600Z52	Motor Support Base Mount Screws	1	**9.88**
16	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**123.12**
OPTIONAL				
17	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1	**$76.68**
MOTORS				
	SPX2705Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V/208-230V)	1	**$652.64**
	SPX2705Z1ME	Motor, 3/4 H.P., Energy Efficient Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**Discont'd**
	SPX2707Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**729.20**
	SPX2710Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**816.82**
	SPX2715Z1ME	Motor, 2 H.P., Energy Efficient, Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**1,061.19**
	SPX2707Z2M	Motor, 1 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**Discont'd**
	SPX2710Z2M	Motor, 1 1/2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**Discont'd**
	SPX2715Z2M	Motor, 2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**Discont'd**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Parts for Pump Models: SP2800X5, SP2805X7, SP2807X10, SP2810X15(2), SP2815x20

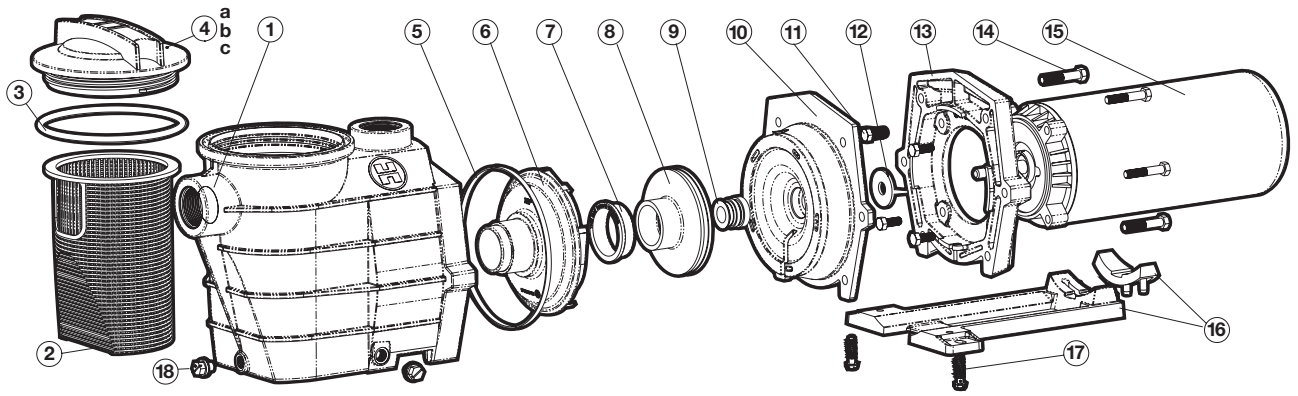


Part No.	Description	Ctn. Qty.	List Price
SPX2800AA*	Pump Housing/Strainer accepts Swing Away Knobs, 1 ½" x 1 ½", with Drain Plugs (1995 and Prior)	1	**$523.94**
SPX1250LA	Strainer Cover, clear with Gasket (Fits All Models)	10	**87.47**
SPX1250LAB	Strainer Cover, with Gasket for Biguarnide Sanitizers **NOT** Pressure testable	—	**Discont'd**
SPX0125T	Strainer Cover Gasket	20	**13.42**
SPX1250RA	Basket (1994 and Prior)	10	**24.32**
SPX2800M	Basket (1995)	10	**24.41**
SPX1250Z4	Hand Knob, Three Pointed (1994 and Prior)	50	**41.26**
SPX1600PN	Hand Knob Kit (1995, Includes Swivel Nut and Hand Knob)	100	**29.93**
SPX1600T	Housing Gasket	50	**18.83**
SPX1600R	Diffuser Gasket	25	**7.53**
SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10	**68.92**
SPX1600V	¼" Drain Plug (1991 and Prior)	50	**4.53**
SPX1700FG	¼" Drain Plug with Gasket	50	**9.34**
SPX2600G1	Mounting Foot with Adapter and Screws	10	**35.14**
SPX1600Z52	Mounting Foot Cap Screw (*Set of 2* – 1995 and Prior, 2 sets required)	1	**9.88**
SPX1600Z2	Seal Assembly	10	**45.14**
SPX1600F5	Motor Mounting Plate	10	**88.23**
SPX1600Z4	Housing Cap Screw	100	**10.31**
SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	**18.97**
SPX0125F	Slinger	50	**7.48**
SPX2800B	Diffuser, for all H.P.'s	15	**71.22**
SPX2600E5	Seal Plate	10	**93.90**
SPXHKIT1	H-KIT Quick Pump Repair for MaxFlo (Includes SPX1600T, SPX0125T, SPX1600R, SPX1600Z2 and Jack's Lube)	10	**61.84**
Housing Conversion Kit —To Swing Away Knob Style			
SPX2800AAC*	Complete Housing Conversion Kit. Includes housing, strainer cover and gasket, basket,	1	**$626.53**
Parts listed below must be ordered for specific model & H.P.:			
SPX2600C	Impeller, for 1/2 H.P. Max Rated	20	**$71.24**
SPX2605C	Impeller, for 3/4 H.P. Max Rated	20	**69.55**
SPX2607C	Impeller, for 1 H.P. Max Rated	10	**71.75**
SPX2610C	Impeller, for 1 1/2 H.P. Max Rated	20	**73.68**
SPX2615C	Impeller, for 2 H.P. Max Rated	25	**90.73**
SPX1600Z1M	Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1	**586.49**
SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**592.36**
SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**656.82**
SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**Discont'd**
SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**1,031.62**
SPX1610Z2M	Motor, 1 1/2 H.P., Threaded Shaft, Two-speed (Single Phase, 60 Cycle, 230V)	1	**Discont'd**

NOTE: *SP2800AAC is a complete substitute for SPX2800AA. Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Super II™

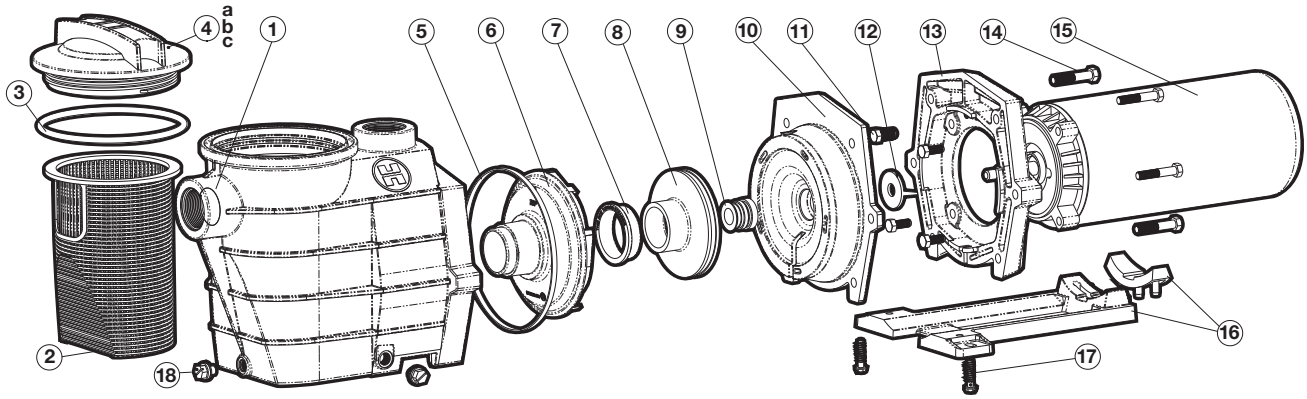
Parts for Pump Models: SP3007(EEAZ) (EECA), SP3010(EEAZ), SP3015(EEAZ), SP3020(EEAZ), SP3025(EEAZ), SP3030(EEAZ)



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SPX3000AA	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs	1	1	**$647.71**
1	SPX3100AAZ	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs, Threaded Style	1	1	**647.71**
1	SPX3020AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	1	**675.12**
1	SPX3120AAZ	Pump Housing/Strainer, 2" x 2", with Drain Plugs, Threaded Style	1	1	**656.03**
2	SPX3000M	Basket	5	1	**35.91**
3	SPX3000S	Strainer Cover O-Ring	20	1	**28.51**
4a	SPX3000D	Strainer Cover, Hand-Knob Style, Clear	32	1	**124.51**
4b	SPX3100D	Strainer Cover, Threaded Style	10	1	**123.35**
4c	SPX3100DB	Strainer Cover for Biguanide Sanitizers **NOT** Pressure Testable	10	1	**124.51**
—	SP3100T	Pump Lid Removal Tool	25	1	**40.63**
5	SPX3000T	Housing Gasket	20	1	**20.33**
—	SPX1600R	Diffuser Gasket - Not Shown	25	1	**7.53**
—	SPXHKIT2	H-KIT Quick Pump Repair for Super II (Includes items 3, 5, 9, SPX1600R and Jack's Lube)	10	1	**62.24**
6	SPX2600B	Diffuser, for 3/4 through 2 H.P. (1987 and Prior)	10	1	**70.45**
6	SPX3000BN	Diffuser, for 3/4 through 1 1/2 H.P. (after 1988)	10	1	**75.72**
6	SPX3000B	Diffuser, for 2 1/2 and 3 H.P. (1989 and Prior)	10	1	**77.96**
6	SPX3021B	Diffuser, for 2, 2 1/2 and 3 H.P. (after 1990)	10	1	**79.63**
7	SPX3005R	Impeller Ring – 3/4 through 1 1/2 H.P. (3000 Series Impellers only)	50	1	**11.07**
7	SPX3021R	Impeller Ring – 2 through 3 H.P. (3000 Series Impellers only)	50	1	**12.01**
9	SPX1600Z2	Seal Assembly	10	1	**45.14**
10	SPX3020E	Seal Plate for SP3000 Series Impellers	8	1	**101.77**
11	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	4	**18.97**
12	SPX0125F	Slinger	50	1	**7.48**
13	SPX3000F	Motor Mounting Plate	10	1	**100.69**
14	SPX1600Z4	Housing Cap Screw	100	6	**10.31**
—	SPX3000Z26	Washer, 3/8" – for cap screw *(Set of 6)* – Not Shown	1	6	**Discont'd**
16	SPX3000GA	Mounting Bracket with Adapter and 2 Cap Screws	10	1	**86.68**
17	SPX1600Z52	Mounting Foot Cap Screw *(Set of 2)*	1	2	**9.88**
18	SPX1600V	1/4" Drain Plug (1991 and Prior)	50	2	**4.53**
18	SPX4000FG	1/4" Drain Plug with Gasket	50	2	**9.03**
Parts listed below must be ordered for specific model and H.P.:					
8	SPX3016C	Impeller, for 1 1/2 H.P.	25	1	**$98.97**
8	SPX3021C	Impeller, for 2 H.P.	20	1	**107.38**
8	SPX3026C	Impeller, for 3 H.P.	20	1	**107.38**
15	SPX1607Z1BE	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**Discont'd**
15	SPX1610Z1BEE	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**Discont'd**
15	SPX1615Z1BEE	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**870.43**
15	SPX1620Z1BEE	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**1,052.92**
15	SPX1625Z1M	Motor, 3 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**1,412.77**
15	SPX0160Z1D	Motor, 3 H.P., Threaded Shaft (Three Phase, 60 Cycle 230/460V)	1	1	**1,564.99**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Parts for Pump Models: SP3005X7(AZ), (W3)SP3007X10(AZ)(2), (W3)SP3010X15(2)(AZ), (W3)SP3015X20(2)(AZ), (W3)SP3020X25(2)(AZ), SP3025X30(AZ)

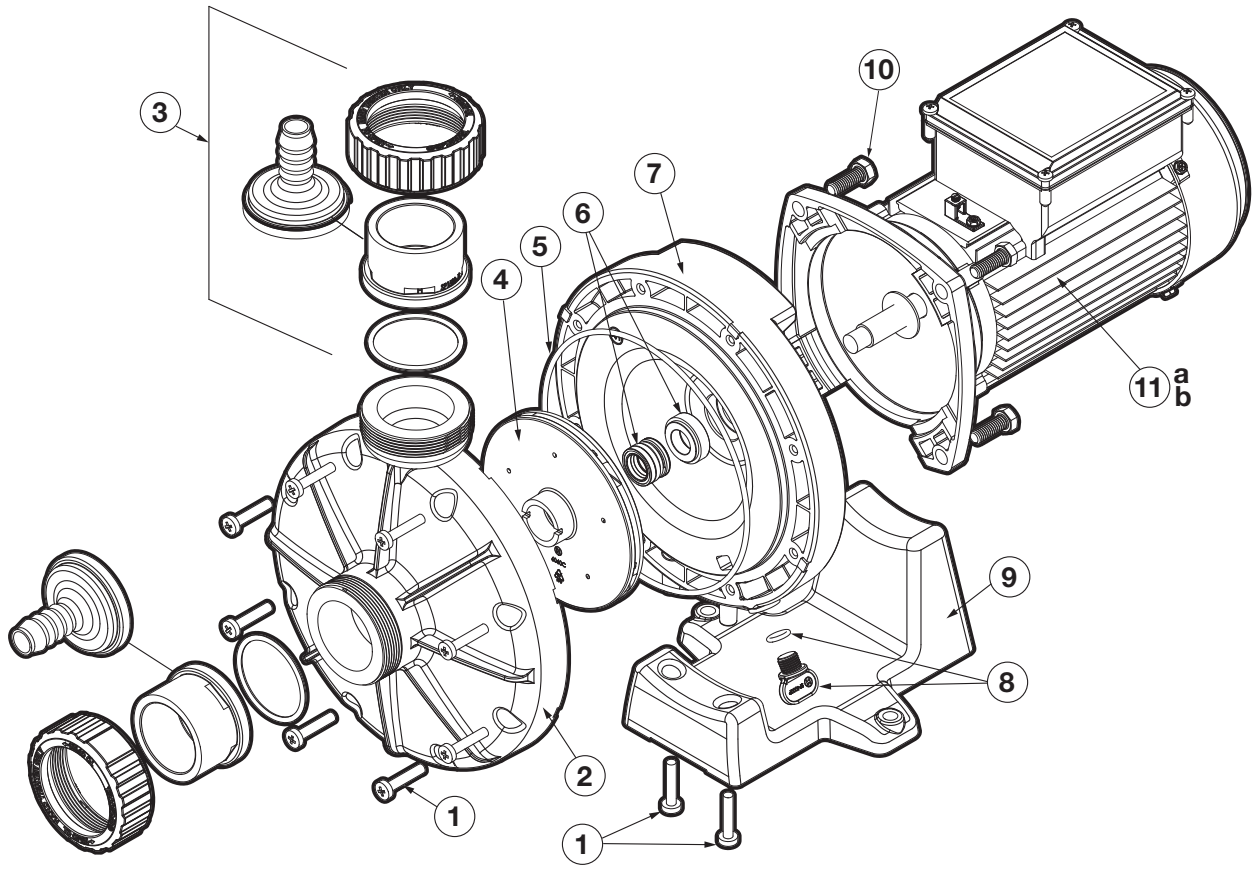


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SPX3000AA	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs	1	1	**$647.71**
1	SPX3100AAZ	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs, Threaded Style	1	1	**647.71**
1	SPX3020AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	1	**675.12**
1	SPX3120AAZ	Pump Housing/Strainer, 2" x 2", with Drain Plugs, Threaded Style	1	1	**656.03**
2	SPX3000M	Basket	5	1	**35.91**
3	SPX3000S	Strainer Cover O-Ring	20	1	**28.51**
4a	SPX3000D	Strainer Cover, Hand-Knob Style, Clear	32	1	**124.51**
4b	SPX3100D	Strainer Cover, Threaded Style	10	1	**123.35**
4c	SPX3100DB	Strainer Cover for Biguanide Sanitizers **NOT** Pressure Testable	10	1	**124.51**
—	SP3100T	Pump Lid Removal Tool	25	1	**40.63**
5	SPX3000T	Housing Gasket	20	1	**20.33**
—	SPX1600R	Diffuser Gasket – Not Shown	25	1	**7.53**
—	SPXHKIT2	H-KIT Quick Pump Repair for Super II (Includes items 3, 5, 9, SPX1600R and Jack's Lube)	10	1	**62.24**
6	SPX2600B	Diffuser, for 3/4 through 2 H.P. (1987 and Prior)	10	1	**70.45**
6	SPX3000BN	Diffuser, for 3/4 through 1 1/2 H.P. (after 1988)	10	1	**75.72**
6	SPX3000B	Diffuser, for 2 1/2 and 3 H.P. (1989 and Prior)	10	1	**77.96**
6	SPX3021B	Diffuser, for 2, 2 1/2 and 3 H.P. (after 1990)	10	1	**79.63**
7	SPX3005R	Impeller Ring – 3/4 through 2 H.P. (3000 Series Impellers only)	50	1	**11.07**
7	SPX3021R	Impeller Ring – 2 1/2 through 3 H.P. (3000 Series Impellers only)	50	1	**12.01**
9	SPX1600Z2	Seal Assembly	10	1	**45.14**
10	SPX3020E	Seal Plate for SP3000 Series Impellers	8	1	**101.77**
11	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	4	**18.97**
12	SPX0125F	Slinger	50	1	**7.48**
13	SPX3000F	Motor Mounting Plate	10	1	**100.69**
14	SPX1600Z4	Housing Cap Screw	100	6	**10.31**
—	SPX3000Z26	Washer, 3/8" – for cap screw *(Set of 6)* – Not Shown	1	6	**Discont'd**
16	SPX3000GA	Mounting Bracket with Adapter and 2 Cap Screws	10	1	**86.68**
17	SPX1600Z52	Mounting Foot Cap Screw *(Set of 2)*	1	2	**9.88**
18	SPX1600V	1/4" Drain Plug (1991 and Prior)	50	2	**4.53**
18	SPX4000FG	1/4" Drain Plug with Gasket	50	2	**9.03**
Parts listed below must be ordered for specific model and H.P.:					
8	SPX3016C	Impeller, for 2 H.P.	25	1	**$98.97**
8	SPX3021C	Impeller, for 2 1/2 H.P.	20	1	**107.38**
8	SPX3026C	Impeller, for 3 H.P.	20	1	**107.38**
15	SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**592.36**
15	SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**656.82**
15	SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**Discont'd**
15	SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**1,031.62**
15	SPX1620Z1M	Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**1,211.12**
15	SPX1625Z1M	Motor, 3 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**1,624.68**
15	SPX1610Z2M	Motor, 1 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	**Discont'd**
15	SPX1615Z2M	Motor, 2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	**Discont'd**
15	SPX1620Z2M	Motor, 2 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	**Discont'd**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Booster Pump

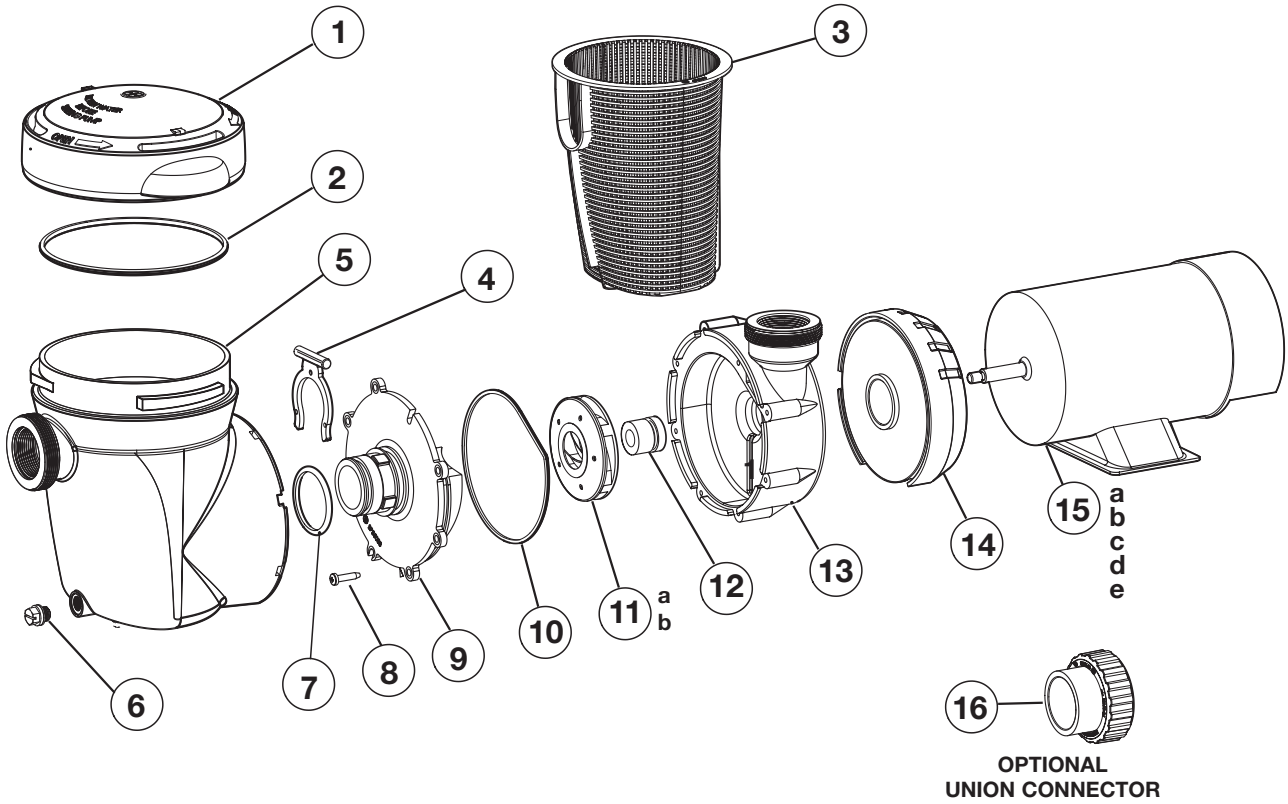
Parts for Booster Pump Models: HSP30060, (W3)6060



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
(W3)6060 Booster Pump Parts				
1	AX6060Z1	Volute Screws	10	**$21.99**
2	AX6060A	Volute	1	**96.43**
3	AX6060UNPAK	Union Fittings Kit (2 Unions with O-Rings)	5	**51.35**
—	SPX1495Z1	Union O-Ring	50	**4.90**
4	AX6060C	Impeller Assembly	5	**58.74**
5	AX6060S	Volute O-Ring	50	**21.78**
6	SPX2700SA	Seal Assembly	10	**Discont'd**
7	AX6060E	Seal Plate Assembly (Seal Plate with Drain Plug and O-Ring)	1	**96.90**
8	SPX4000FG	Drain Plug with O-Ring	50	**9.03**
9	AX6060G	Motor Support	1	**99.72**
10	SPX3200Z5PAK4	Motor Bolt *(Pack of 4)*	50	**21.10**
11a	SPX2707Z1BT	HSP30060/6060 Motor, TEFC	1	**670.66**
11b	SPX2707Z1B	HSP30060/6060 Motor, ODP	1	**742.23**
—	6060HKIT	Booster Pump Hose Kit, HSP30060 and 6060	5	**90.39**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Parts for Pump Models: SP1591, SP1592, SP1593 Series

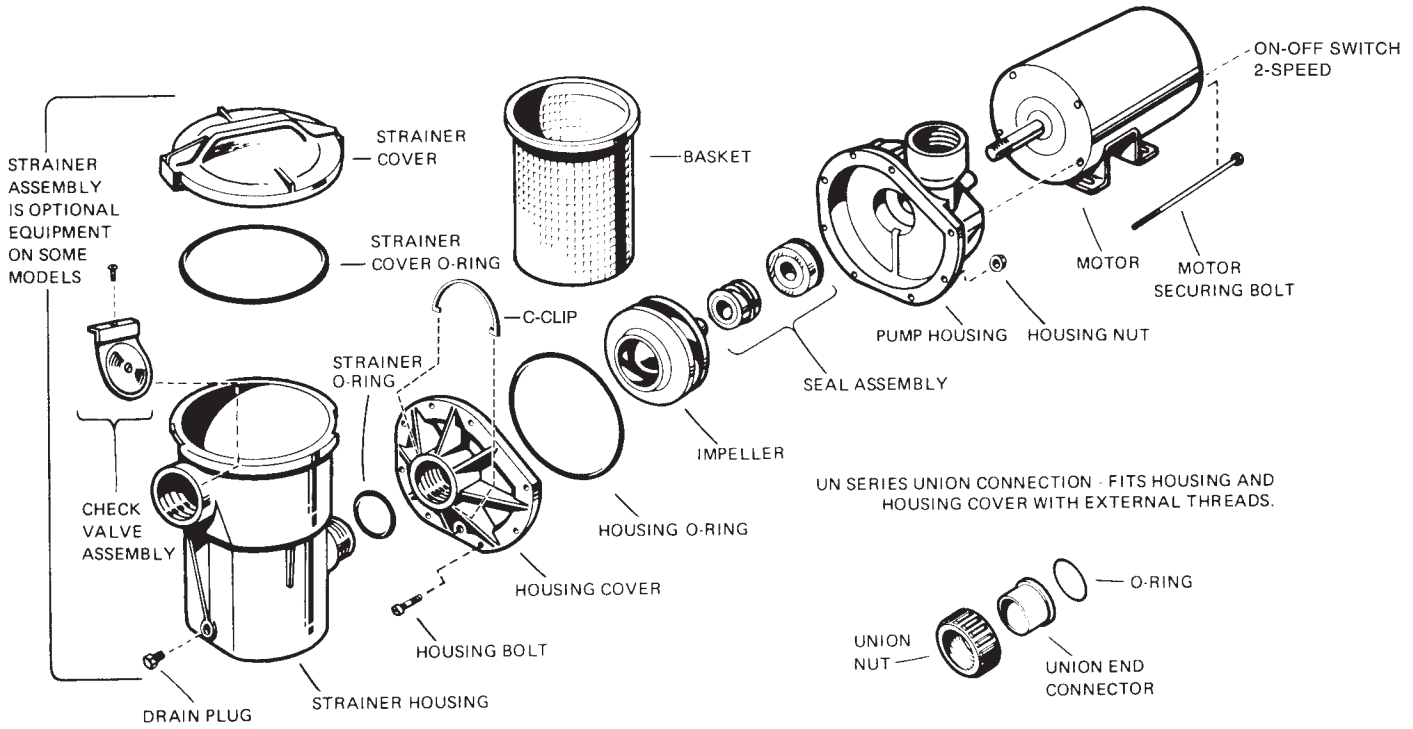


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd.	List Price
1	SPX5500D	Strainer Cover with Lock Ring and O-Ring	10	1	**$158.37**
2	SPX5500H	Strainer Cover O-Ring	50	1	**16.17**
3	SPX5500F	Strainer Basket	10	1	**41.26**
4	SPX5500G	Strainer Retainer/'C' Clip	10	1	**16.62**
5	SPX5500C	Strainer Housing	1	1	**181.93**
6	SPX1700FG	Drain Plug with Gasket	50	1	**9.34**
7	SPX5500K	Strainer O-Ring	10	1	**7.14**
8	SPX0714Z48	Screw, #14 x ¼" Type B Pan Head	1	1	**Discont'd**
9	SPX5500B	Pump Cover	4	1	**145.72**
10	SPX0710XZ5	Housing O-Ring	10	1	**22.34**
11a	SPX1500F	Impeller Assembly (reference part number on original equipment)	10	1	**63.60**
11b	SPX1500L	Impeller Assembly (reference part number on original equipment)	25	1	**65.64**
12	SPX1500KA	Shaft Seal Assembly	10	1	**62.30**
13	SPX5500A	Pump Housing	4	1	**167.52**
14	SPX5500E	Shroud Assembly	4	1	**75.49**
15a	SPX1510Z1E	3/4 H.P. Single Speed Motor with Switch, Flex 48	1	1	**528.89**
15b	SPX1510Z1XE	1 H.P. Single Speed Motor with Switch, Flex 48	1	1	**593.94**
15c	SPX1515Z1E	1 1/2 H.P. Single Speed Motor with Switch, Flex 48	1	1	**694.71**
15d	SPX1510Z24XE	1 H.P. Two Speed Motor with Switch, Flex 48	1	1	**738.04**
15e	SPX1515Z2ES	1 1/2 H.P. Two Speed Motor with Switch, Flex 48	1	1	**858.02**
16 (optional)	SP1500UNPAK2	Union Connector Assembly	50	2	**27.32**
	SPXHKIT12MTX	H-KIT Quick Pump Repair for PowerFlo Matrix (Includes items 2, 7, 10, 12 and Jack's Lube)	10	1	**70.62**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

PowerFlo® LX

Parts for Pump Models: SP1575LX, SP1580, SP1580X15, SP1520UN

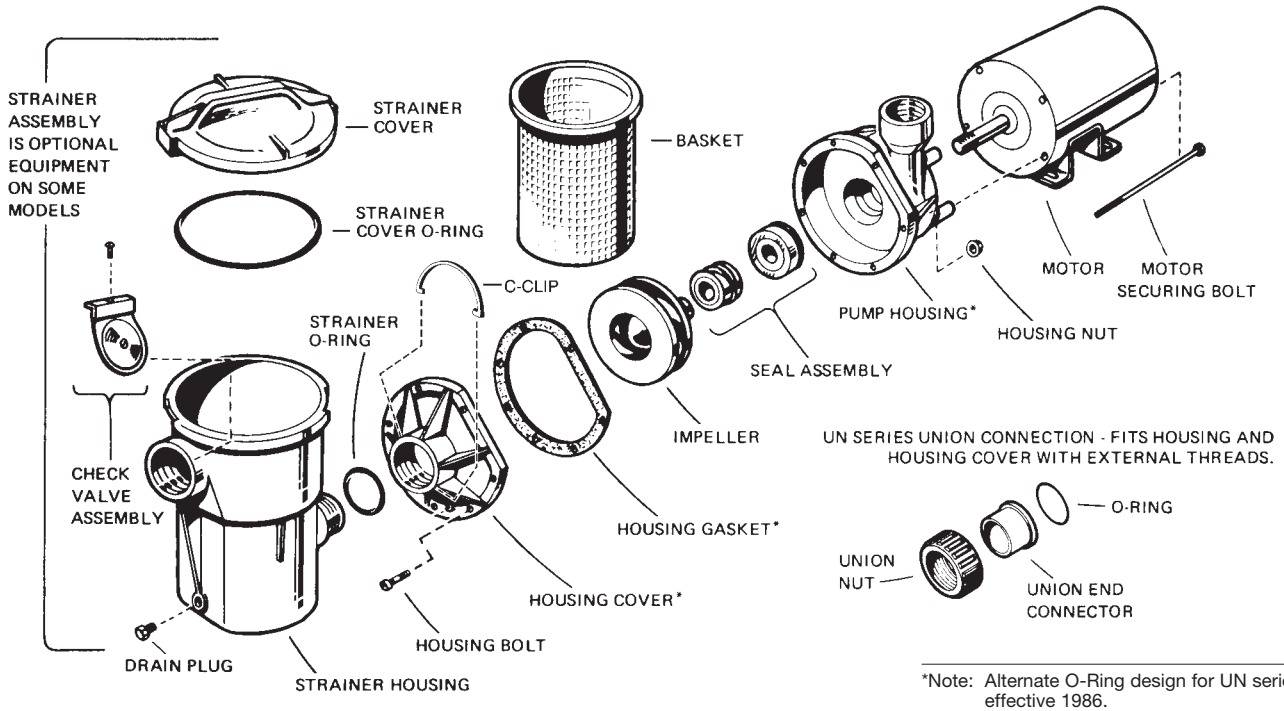


Ref. No.	Description	Ctn. Qty.	List Price
SPX1580AAP	Pump Housing	4	**$166.44**
SPX1580BP	Housing Cover	10	**136.97**
SPX1500KA	Seal Assembly with Cup	10	**62.30**
SPX1580Z1	Housing O-Ring	25	**22.09**
SPX1500NY	Housing Nut and Bolt, No. 10-24 Hex. Head	25	**5.10**
SPX1500F	Impeller (refer to part number on original equipment)	10	**63.60**
SPX1500L	Impeller (refer to part number on original equipment)	25	**65.64**
SPX1500CAP	Strainer Housing with Basket	1	**159.14**
SPX1500D2A	Strainer Cover with O-Ring	10	**94.27**
SPX1500P	Strainer Cover O-Ring	50	**16.08**
SPX1250RA	Strainer Basket (1992 and Prior)	10	**24.32**
SPX1500LX	Strainer Basket – Large, 4 ½" x 7"	10	**29.79**
SPX1500W	Strainer O-Ring	50	**7.14**
SPX1700FG	Drain Plug with Gasket	50	**9.34**
SPX1515C	Strainer Housing C-Clip (2000-2003)	50	**16.37**
SPX1515CN	Strainer Housing C-Clip (2004-)	10	**16.88**
SPXHKIT12	H-KIT Quick Pump Repair for PowerFlo (Includes SPX1500KA, SPX1580Z1, SPX1500P, SPX1500W, SPX1500H, SPX1705Z1 and Jack's Lube)	10	**73.08**
SP1520UN LX Parts same as SP1580 Series except as listed below:			
SPX1580AAT	Pump Housing with External Thread	4	**$164.80**
SPX1520BT	Housing Cover with External Thread, 1, 1 1/2 and 2 H.P.	10	**143.71**
SPX1500LH	1 H.P. Hi-Performance Impeller	25	**70.88**
SPX1580CH	1 1/2 H.P. Hi-Performance Impeller	25	**73.82**
SPX1525CH	2 H.P. Hi-Performance Impeller	20	**79.51**
SPX3005R	Impeller Ring – for Hi-Performance Impellers	50	**11.07**

NOTES: Parts for PowerFlo Pump Motors are listed on page 321.

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

Parts for Pump Models: SP1500, SP1510, SP1511, SP1550, SP1575, EP1500 Series; and Pump Strainer SP1516



*Note: Alternate O-Ring design for UN series only, effective 1986.

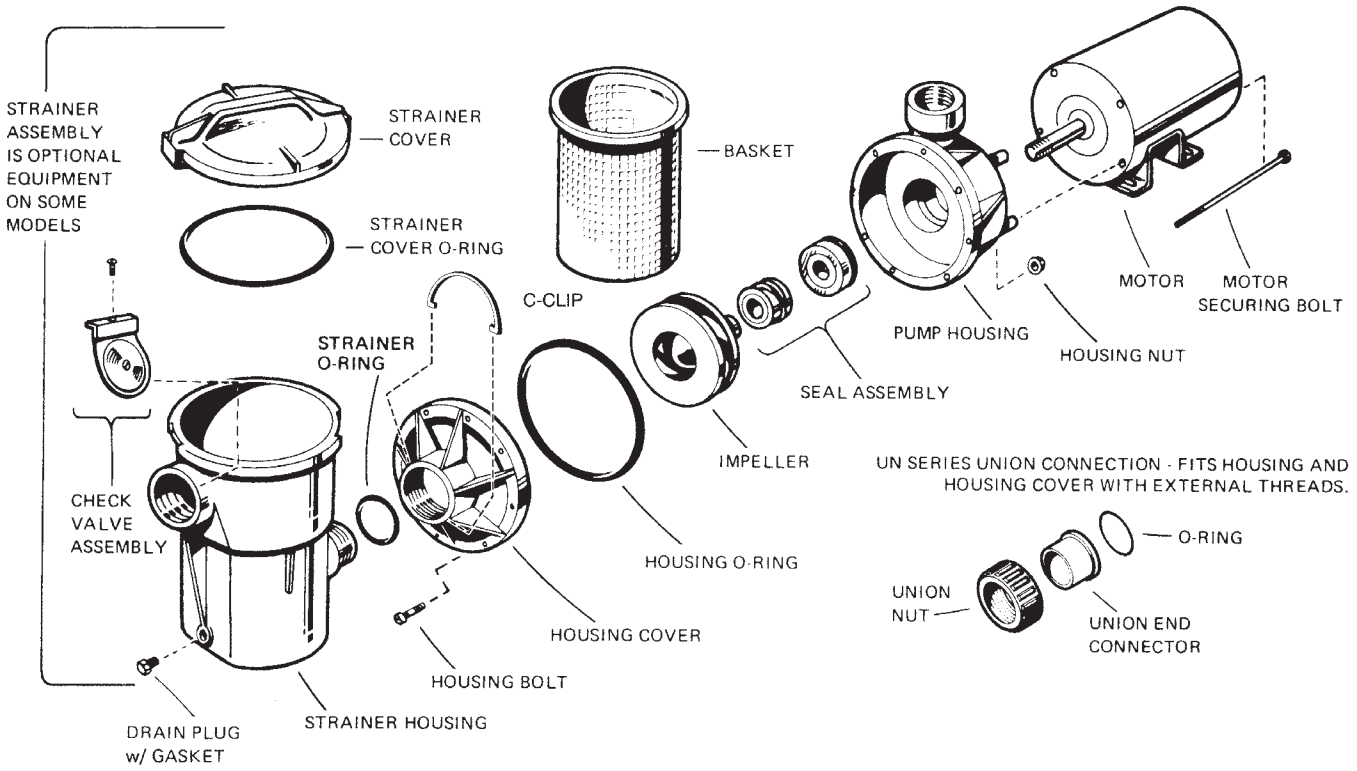
Ref. No.	Description	Ctn. Qty.	List Price
SPX1500KA	Seal Assembly with Cup	10	**$62.30**
SPX1500H	Housing Gasket	10	**19.88**
SPX1500NY	Housing Nut and Bolt, No. 10-24 Hex. Head	25	**5.10**
SPX1500E	Impeller (refer to part number on original equipment)	25	**64.56**
SPX1500F	Impeller (refer to part number on original equipment)	10	**63.60**
SPX1500CAP	Strainer Housing with Basket	1	**159.14**
SPX0710Z3	Strainer Cover O-Ring – for solid cover (1978 and Prior)	50	**20.33**
SPX1500D2A	Strainer Cover, with O-Ring	10	**94.27**
SPX1500P	Strainer Cover O-Ring	50	**16.08**
SPX1250RA	Strainer Basket (1992 and Prior)	10	**24.32**
SPX1500LX	Strainer Basket – Large, 4 ½" x 7"	10	**29.79**
SPX1500W	Strainer O-Ring	50	**7.14**
SPX1700FG	Drain Plug with Gasket	50	**9.34**
SPX1515C	Strainer Housing C-Clip (2000-2003)	50	**16.37**
SPX1515CN	Strainer Housing C-Clip (2004-)	10	**16.88**
SPXHKIT12	H-KIT Quick Pump Repair for Power Flo (Includes SPX1500KA, SPX1580Z1, SPX1500P, SPX1500W, SPX1500H, SPX1705Z1 and Jack's Lube)	10	**73.08**

NOTES: Parts for PowerFlo Pump Motors are listed on page 321.

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

PowerFlo II™

Parts for Pump Models: SP1705, SP1710, SP1711, SP1720, SP1725, (W3)SP1750, (W3)SP1775, (W3)SP1780



Ref. No.	Description	Ctn. Qty.	List Price
SPX1705AA	Pump Housing	1	**$150.11**
SPX1500KA	Seal Assembly with Cup	10	**62.30**
SPX1720KA	Seal Assembly (PowerFlo II, 1 and 1 1/2 H.P.)	50	**Discont'd**
SPX1705Z1	Housing O-Ring Gasket	10	**28.15**
SPX1500NY	Housing Nut and Bolt, No. 10-24 Hex. Head	25	**5.10**
SPX1705C	Impeller, 1/2 H.P. (SP1700 Series, PowerFlo II)	10	**67.93**
SPX1707C	Impeller, 3/4 H.P. (SP1700 Series, PowerFlo II)	10	**68.10**
SPX1711C	Impeller, 1 H.P.	10	**72.24**
SPX2607C	Impeller (PowerFlo III, 1 H.P.)	10	**71.75**
SPX2610C	Impeller (PowerFlo III, 1 1/2 H.P.)	20	**73.68**
SPX1500CAP	Strainer Housing with Basket	1	**159.14**
SPX1500D2A	Strainer Cover with O-Ring	10	**94.27**
SPX1500P	Strainer Cover O-Ring	50	**16.08**
SPX1250RA	Strainer Basket	10	**24.32**
SPX1500LX	Strainer Basket – Large, 4 ½" x 7" (1992)	10	**29.79**
SPX1500W	Strainer O-Ring	50	**7.14**
SPX1700FG	Drain Plug with Gasket – SP1700 Series Housing	50	**9.34**
SPX1515C	Strainer Housing C-Clip (2000-2003)	50	**16.37**
SPX1515CN	Strainer Housing C-Clip (2004-)	10	**16.88**
SPX1500JS	Union End Connector – Socket	25	**28.77**
SPX1500G	Union Nut	10	**22.65**
SPX1495Z1	O-Ring, End Connector	50	**4.90**
SPXHKIT12	H-KIT Quick Pump Repair for PowerFlo (Includes SPX1500KA, SPX1580Z1, SPX1500P, SPX1500W, SPX1500H, SPX1705Z1 and Jack's Lube)	10	**73.08**

NOTES: Parts for PowerFlo Pump Motors are listed on page 321.

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

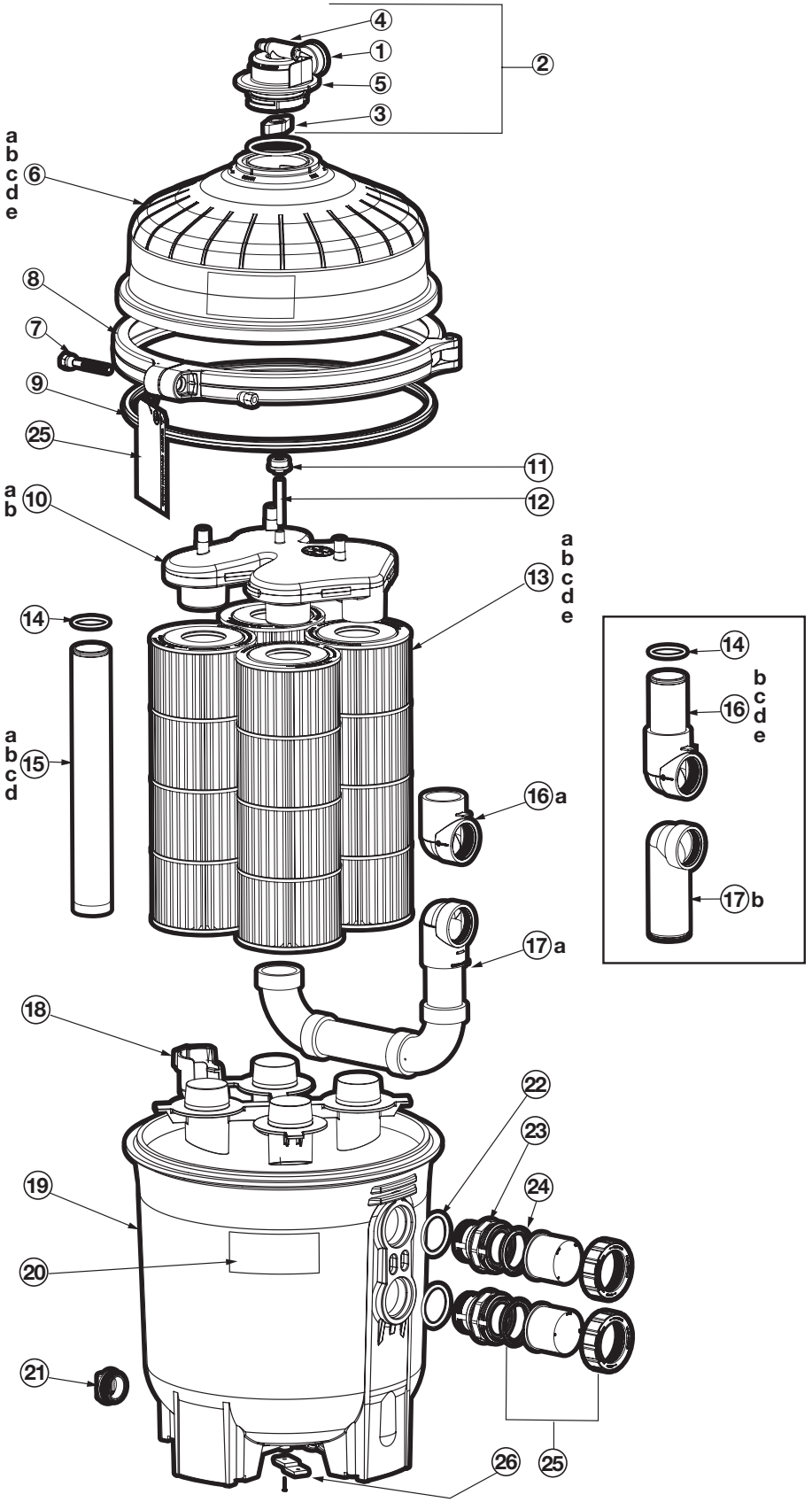
Parts for PowerFlo Pump Motors for Pumps listed on page 319

Ref. No.	Description	Ctn. Qty.	List Price
SPX1500Z1E	Motor, 1/2 H.P. Single Phase, 60 Cycle	1	**$530.11**
SPX1510Z1E	Motor, 3/4 H.P. Single Phase, 60 Cycle	1	**528.89**
SPX1510Z1ECPMV	Motor, Variable Speed	1	**1,835.02**
SPX1510Z1XE	Motor, 1 H.P. Single Phase, 60 Cycle	1	**593.94**
SPX1515Z1E	Motor, 1 1/2 H.P., Single Phase, 60 Cycle	1	**694.71**
SPX1520Z1ESC	Motor, 2 H.P. Single Phase, 60 Cycle	1	**818.74**
SPX1510Z24XE	Dual Speed Motor, 1 H.P., Single Phase, 60 Cycle	1	**738.04**
SPX1500Z15S	Motor Canopy, Flex 48, with On-Off Switch	1	**119.24**
SPX1500S8	Motor Switch – On-Off for Flex 48	10	**47.57**
SPX1500S9	Motor Switch – 3 Position for 2 Speed Flex 48	10	**104.18**
SPX1250WA	Motor Cord 14/3 6 ft.	10	**61.64**
SPX1550WA1	Motor Cord 12/3 3 ft. Twist Lock	25	**93.42**
SPXABG12CORD	Motor Cord, 12/3, 3 ft.	25	**67.87**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609 or New York State per Title 21 Section 509.

SwimClear™ Multi-Element

Parts Diagram

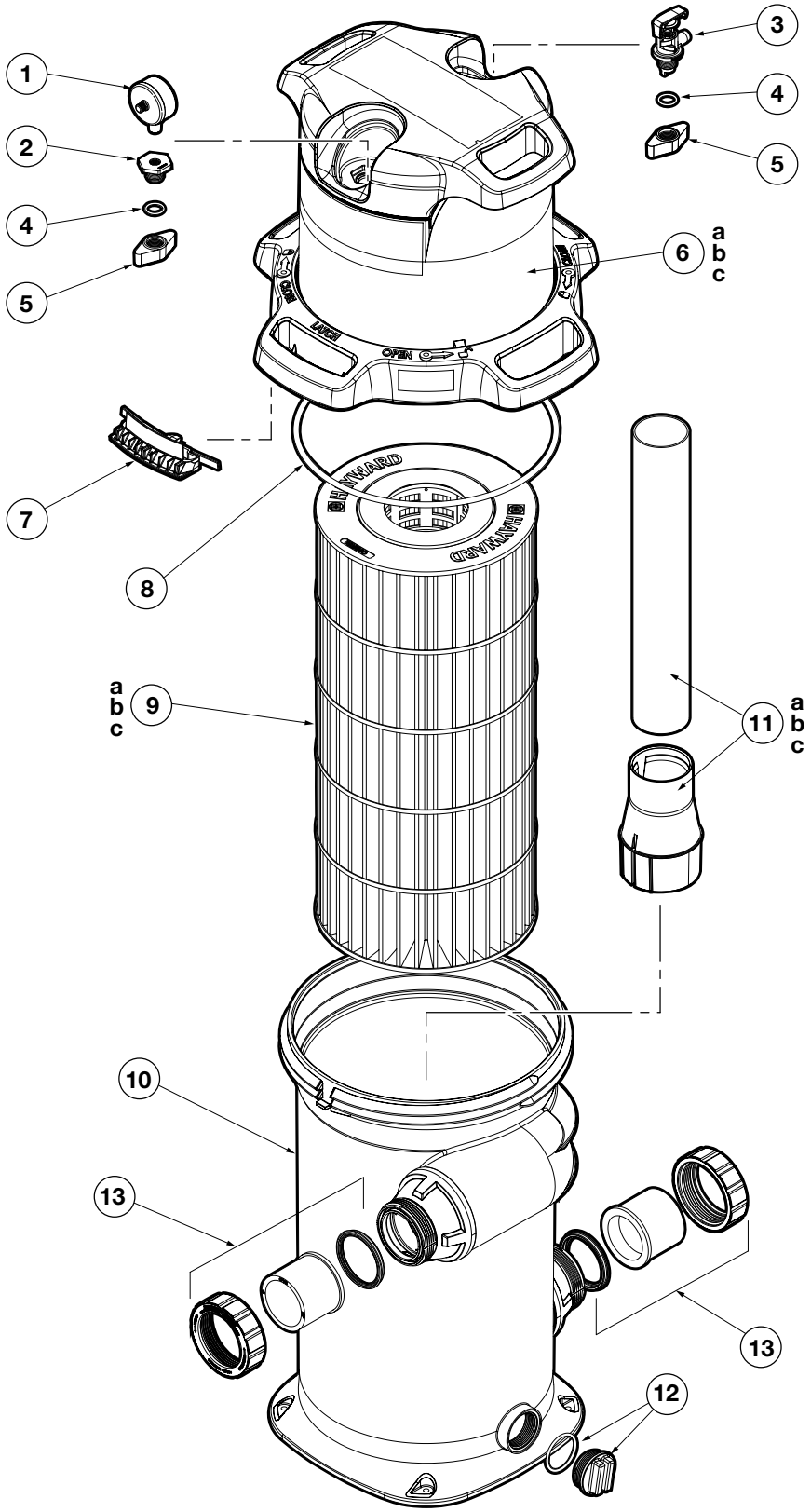


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX2712B1	Pressure Gauge	20	**$46.92**
2	DEX2420Z8A	O-Ring Kit (*set of 2*)	10	**58.98**
3	CCX1000N	Air Relief Valve Nut	50	**7.76**
4	CCX1000V	Manual Air Relief with O-Ring	50	**24.32**
5	DEX2420MAR2	Manual Air Relief Assembly	1	**309.84**
6a	DEX2420BTC	Upper Filter Body with Clamp C2030	1	**1,088.20**
6b	DEX3620BTC	Upper Filter Body with Clamp C3030	1	**1,248.56**
6c	DEX4820BTC	Upper Filter Body with Clamp C4030	1	**1,402.54**
6d	DEX6020BTC	Upper Filter Body with Clamp C5030	1	**1,531.86**
6e	DEX7220BTC	Upper Filter Body with Clamp C7030	1	**1,667.55**
7	DEX2421J2	Clamp Bolt and Nut	10	**70.65**
8	DEX2421JKIT	Clamp System (Includes Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels)	1	**840.77**
9	DEX2422Z2	Metal Reinforced Seal	1	**149.20**
10a	CX3030C	Top Manifold C2030, C3030, C4030	1	**184.00**
10b	CX5030C	Top Manifold C5030, C7030	1	**184.06**
11	CX3000J1	Air Relief Filter	150	**30.95**
12	CX2030Z3	Air Relief Tube	10	**24.66**
13a	CX481XRE	Cartridge Element C2030	1	**98.15**
	CX481XREPAK4	Cartridge Elements (4 Pack) C2030	1	**372.98**
11	CX3000J1	Air Relief Filter	150	**30.95**
12	CX2030Z3	Air Relief Tube	10	**24.66**
13a	CX481XRE	Cartridge Element C2030	1	**98.15**
	CX481XREPAK4	Cartridge Elements (4 Pack) C2030	1	**372.98**
13b	CX580XRE	Cartridge Element C3030	1	**134.63**
	CX580XREPAK4	Cartridge Elements (4 Pack) C3030	1	**511.51**
13c	CX880XRE	Cartridge Element C4030	1	**172.79**
	CX880XREPAK4	Cartridge Elements (4 Pack) C4030	1	**656.61**
13d	CX1280XRE	Cartridge Element C5030	1	**216.13**
	CX1280XREPAK4	Cartridge Elements (4 Pack) C5030	1	**821.13**
13e	CX591XRE	Cartridge Element C7030	1	**137.75**
	CX591XREPAK4	Cartridge Elements (4 Pack) C7030	1	**523.34**
	CX7020M	Mid Plate Connector C7030	1	**128.36**
14	DEX2400Z5	Outlet Pipe O-Ring	10	**11.64**
15a	CX3031F6	Outlet Pipe C2030	1	**Discont'd**
15b	CX3031F8	Outlet Pipe C4030	1	**73.06**
15c	CX3031F9	Outlet Pipe C5030	1	**101.46**
15d	CX3031F10	Outlet Pipe C7030	1	**111.93**
16a	CX3030F	Inlet Elbow (after Sept. 2012)	5	**22.40**
16b	CX3030F1	Outlet Elbow with Pipe C2030 (prior to Sept. 2012)	5	**120.88**
16c	CX3030F2	Outlet Elbow with Pipe C3030 (prior to Sept. 2012)	—	**Discont'd**
16d	CX3030F3	Outlet Elbow with Pipe C4030 (prior to Sept. 2012)	—	**Discont'd**
16e	CX3030F4	Outlet Elbow with Pipe C5030 (prior to Sept. 2012)	—	**Discont'd**
17a	CX3030H	SwimClear Lower Piping Assembly (after Sept. 2012)	1	**210.39**
17b	CX3020FB	Outlet Elbow (prior to Sept. 2012)	5	**112.90**
18	CX3030D	Bottom Cartridge Mounting Plate	1	**115.36**
	CX3030CKIT	Top Manifold Conversion Kit (C2020/C2025/C3020/C3025/C4020/C4025)	1	**415.71**
	CX5030CKIT	Top Manifold Conversion Kit (C5020/C5025/C7000/C7020)	1	**415.71**
19	DEX2420ATC	Lower Filter Body with Clamp	1	**1,567.57**
20	DEX2420LA6PAK	Label Pack (Includes all Warning and Operation Labels, Hang Tag, Wire Tie, Owner's Manual)	10	**71.78**
21	SP1022CBLK	1 ½" Drain Plug with O-Ring (Black)	100	**2.70**
22	SX220Z2	Bulkhead O-Ring	10	**20.44**
23	CX3035F	Bulkhead Fitting	25	**64.45**
24	SPX3200UG	Union Gasket (*set of 2*)	100	**25.97**
25	SPX3200UNKIT	Union Connection Kit (2 each of nuts, connectors, gaskets)	10	**91.76**
26	DEX2420DCKIT	(Optional) Tie Down – Strap Kit (2 each of straps, screws)	25	**Discont'd**

SwimClear™ Single-Element

Parts Diagram



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX271261	Pressure Gauge	20	**$46.92**
2	CCX1000L	Threaded Adapter for Pressure Gauge	50	**5.58**
3	CXRLV1001	Air Relief Assembly with O-Ring	20	**24.72**
4	CXGAR1001PAK2	O-Ring Kit (*Set of 2*)	20	**4.73**
5	CCX1000N	Adapter Nut (*Set of 2*)	50	**7.76**
6a	CX100B	Filter Head Assembly, C100S	1	**463.28**
6b	CX150B	Filter Head Assembly, C150S	1	**569.73**
6c	CX200B	Filter Head Assembly, C200S	1	**682.74**
7	CXLRL1001	Latch for Lock Ring	10	**21.75**
8	CXFHR1001	O-Ring for Filter Head	10	**30.67**
9a	CX100XRE	Cartridge Element C100S	1	**213.75**
9b	CX150XRE	Cartridge Element C150S	1	**226.83**
9c	CX200XRE	Cartridge Element C200S	1	**292.02**
10	CXFBA1001	Filter Body Assembly	1	**Discont'd**
11a	CXFDA100	Filter Diffuser Assembly C100S	1	**Discont'd**
11b	CXFDA150	Filter Diffuser Assembly C150S	1	**54.88**
11c	CXFDA200	Filter Diffuser Assembly C200S	1	**58.39**
12	SP1022CBLK	Drain Plug with O-Ring	100	**2.70**
13	SPX3200UNKIT	Union Connection Kit (2 each of Nuts, Connectors and Gaskets)	10	**91.76**
OPTIONAL				
—	SPX1500JS	Union Connector 1.5" Socket	25	**$28.77**
—	SPX1500JT	Union Connector 1.5" FIP	—	**Discont'd**

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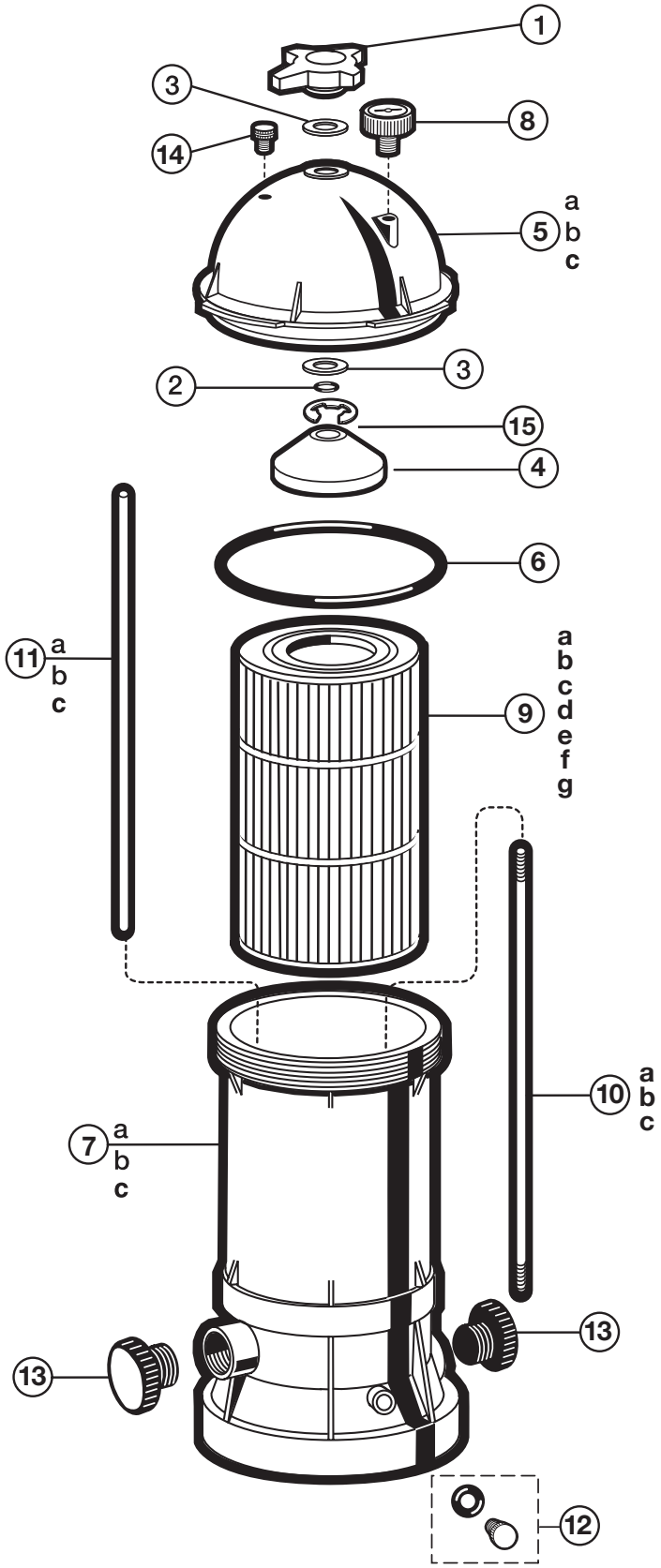
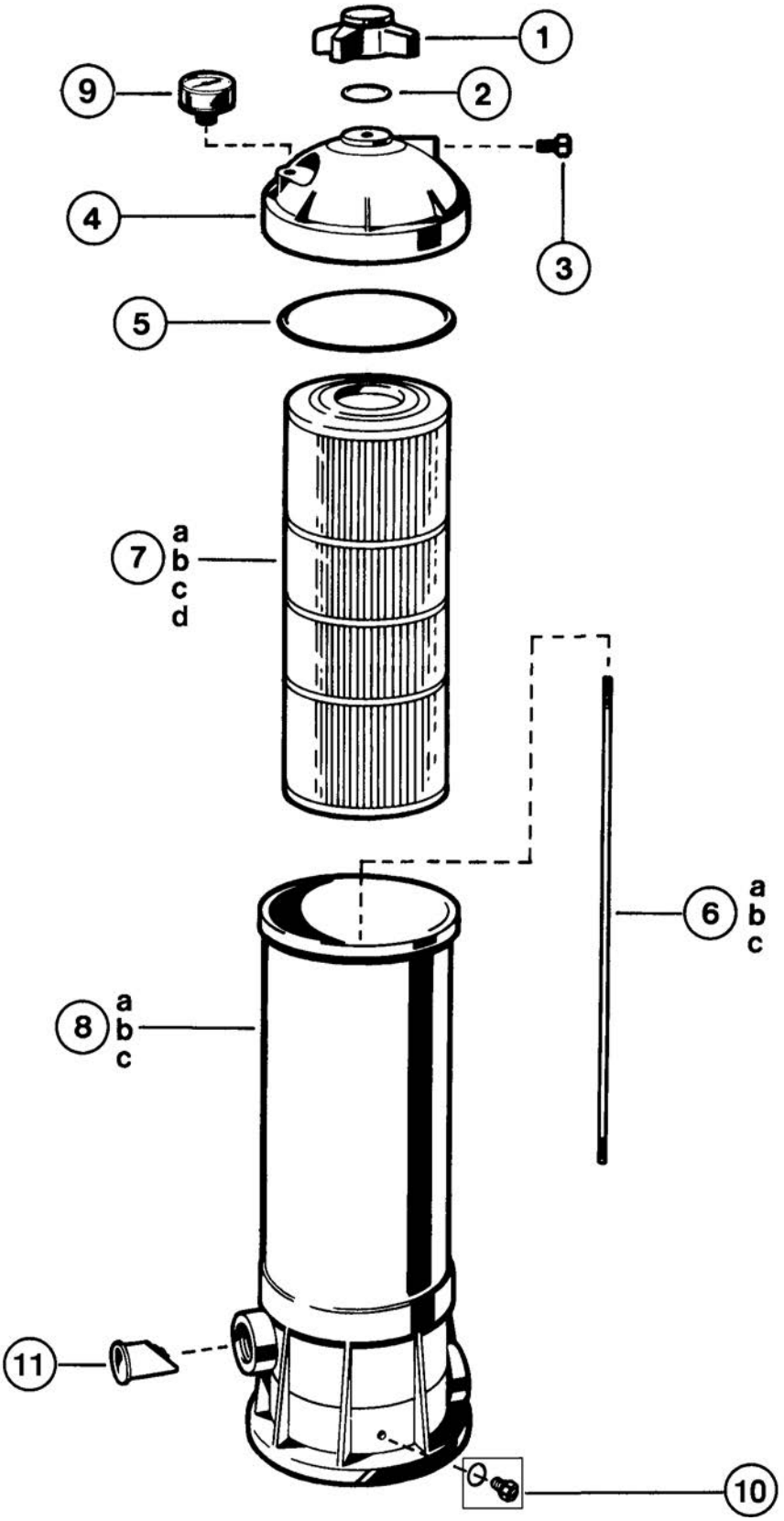
Parts Diagram



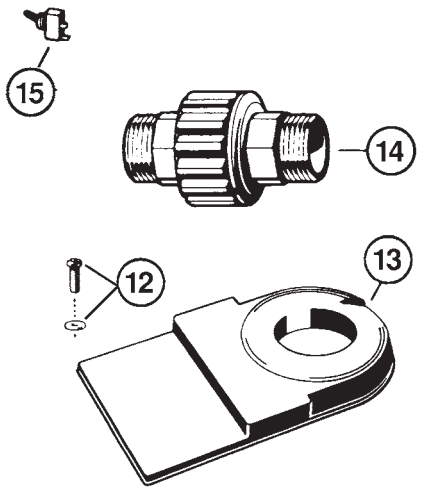
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	CX900G	Locking Knob (C751, C900, C1200, C1502 Series)	5	**$99.87**
	CX900DA	Knob Accessory Kit (Includes Plastic Washers, O-Ring, Guide Cone and E-Clip)	20	**39.22**
	CX1750G	Locking Knob (C1750, C2002 Series)	5	**126.63**
2	CX900H	Knob O-Ring	50	**6.91**
3	CX900WPAK2	Knob Washer *(Set of 2)*	25	**17.58**
4	CX900D	Guide Cone	10	**16.54**
5a	CX900B	Filter Head with Directional Vent Valve (C751, C900 Series)	1	**271.75**
5b	CX1200B	Filter Head with Directional Vent Valve (C1200, C1502 Series)	1	**390.71**
5c	CX1750B	Filter Head with Directional Vent Valve (C1750, C2002 Series)	1	**567.69**
6	CX900F	Filter Head O-Ring	50	**60.68**
7a	CX900AA	Filter Body – 1 ½" FIP (C751, C900)	1	**Discont'd**
	CX900AA2	Filter Body – 2" FIP (C7512, C9002, C9002S)	1	**Discont'd**
7b	CX1200AA	Filter Body – 1 ½" FIP (C1200)	—	**Discont'd**
	CX1200AA2	Filter Body – 2" FIP (C12002, C12002S, C1502)	—	**Discont'd**
7c	CX1750AA2	Filter Body – 2" FIP (C17502, C17502S, C2002)	1	**Discont'd**
8	ECX271261	Pressure Gauge	20	**46.92**
9a	CX760RE	Cartridge Element (C751 Series)	1	**163.53**
9b	CX900RE	Cartridge Element (C900 Series)	1	**183.28**
9c	CX1200RE	Cartridge Element (C1200 Series)	1	**228.90**
9d	CX1520RE	Cartridge Element (C1502 Series)	—	**Discont'd**
9e	CX2020RE	Cartridge Element (C2002 Series)	1	**385.14**
9f	CX1750RE	Cartridge Element (C1750 Series)	1	**331.36**
9g	CX1900RE	Cartridge Element (C1900 Series)	1	**351.32**
10a	CX800Z2	Tie Rod (C751, C900 Series)	1	**274.39**
10b	CX1100Z2	Tie Rod (C1200, C1502 Series)	1	**315.33**
10c	CX1750Z2	Tie Rod (C1750, C2002 Series)	1	**401.50**
11a	CX800Z4	Air Relief Tube (C751, C900 Series)	20	**Discont'd**
11b	CX1100Z4	Air Relief Tube (C1200, C1502 Series)	10	**22.57**
11c	CX1750Z4	Air Relief Tube (C1750, C2002 Series)	1	**33.44**
12	CX250Z14A	Drain Plug Kit (Includes Plug and O-Ring)	50	**13.05**
13	CX900K	2" PVC Socket Connector	20	**Discont'd**
14	ECX1322A	Directional Vent Valve with O-Ring	20	**18.72**
15	CX900J	E-Ring	20	**22.62**
D.E. SEPARATION TANK Parts are same as C900 except replace cartridge element with option below.				
—	CX900DB	D.E. Collector Bag Assembly (May 2004 and Prior)	1	**$453.71**
—	CX900DBA	D.E. Collector Bag Assembly (after May 2004)	1	**414.21**

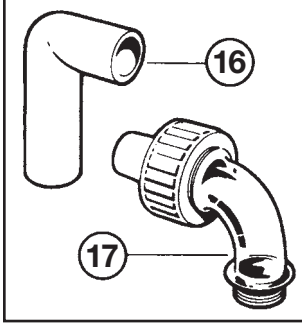
Parts Diagram



C SERIES SYSTEMS



FLEX LOOP SYSTEM

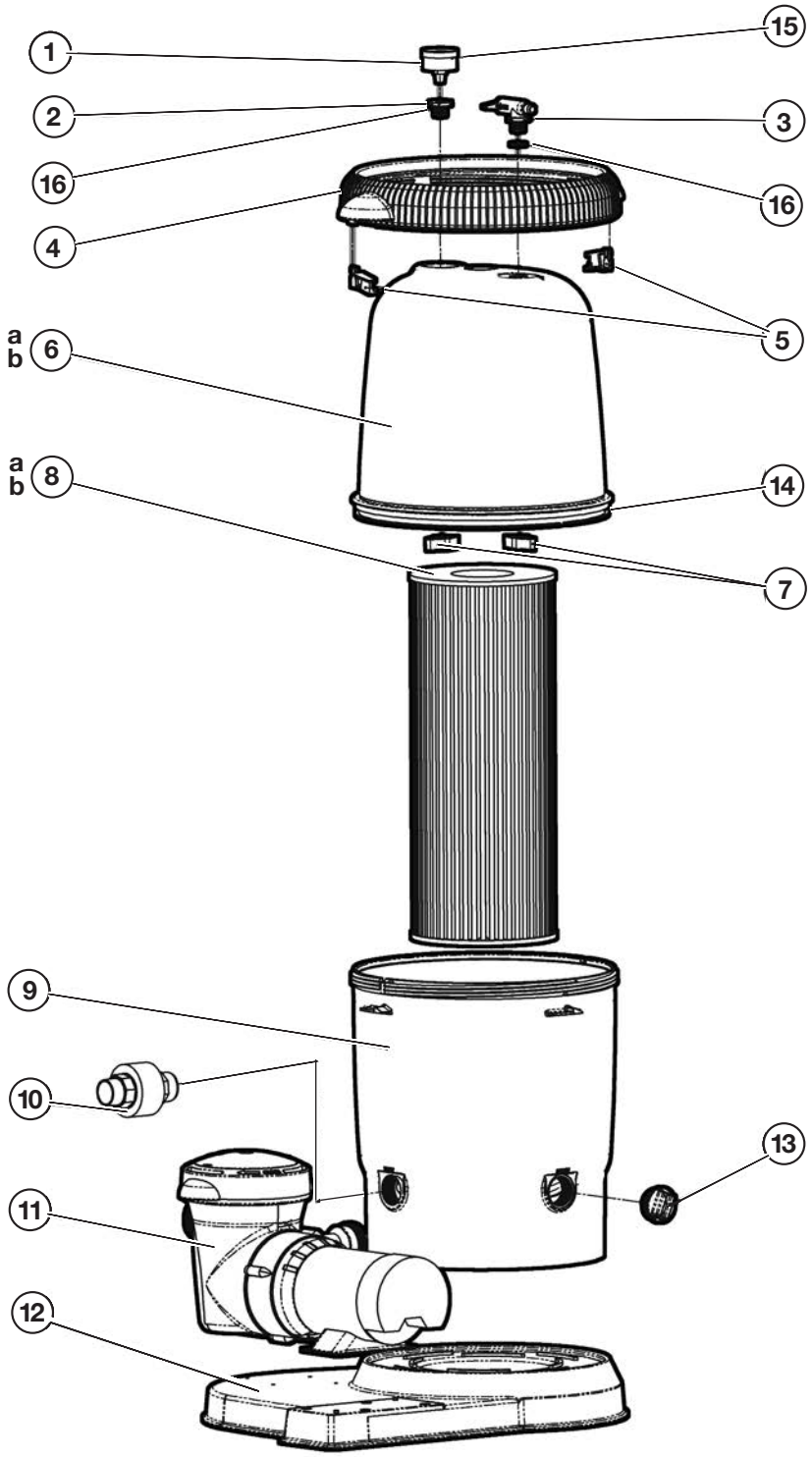


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	CX250G	Locking Knob	10	**$42.08**
2	CX250Z7	O-Ring	20	**5.92**
3	ECX1322A	Directional Vent Valve with O-Ring	20	**18.72**
4	CX250C	Filter Head (Dome) with Air Relief Valve	4	**163.64**
5	CX250F	Filter Head Gasket	50	**54.51**
6a	CX250Z2S	Tie Rod (C250), 18 9/32"	1	**126.77**
6b	CX500Z2S	Tie Rod (C500), 28 3/32"	1	**160.95**
6c	CX750Z2S	Tie Rod (C750, C100), 38 1/16"	1	**218.80**
7a	CX250RE	Cartridge Element (C250)	1	**80.30**
7b	CX500RE	Cartridge Element (C500)	1	**114.49**
7c	CX750RE	Cartridge Element (C750)	1	**153.33**
7d	CX1000RE	Cartridge Element (C100)	1	**193.45**
8a	CX250AA1	Filter Body with Tie Rod Assembly (C250)	—	**Discont'd**
8b	CX500AA1	Filter Body with Tie Rod Assembly (C500)	—	**Discont'd**
8c	CX750AA1	Filter Body with Tie Rod Assembly (C750, C100)	1	**Discont'd**
9	ECX27091	Pressure Gauge, Back Mount	25	**51.42**
10	CX250Z14A	Drain Plug Kit	50	**13.05**
11	ECX4077B1	Check Valve (optional)	20	**36.70**
C Series Systems				
—	SPX1250WA	6 ft. Cord Set– No. 14/3 AWG	10	**$61.64**
—	ECX1248	Cord Strain Relief	—	**Discont'd**
12	ECX1108A	Pump Mounting Screw with Washer	10	**9.46**
13	EC1161PAK	Platform Base with Screws – Low Profile	1	**90.21**
14	SP1480BLK	1 1/2" Male Union	50	**33.23**
15	ECX1325	Switch Assembly	10	**Discont'd**
Modular Flex Loop Systems				
16	ECX1326A	Flex Loop Elbow	20	**$40.61**
17	SPX14853	Sweep Elbow Union Assembly	20	**91.76**

XStream® Filtration Series

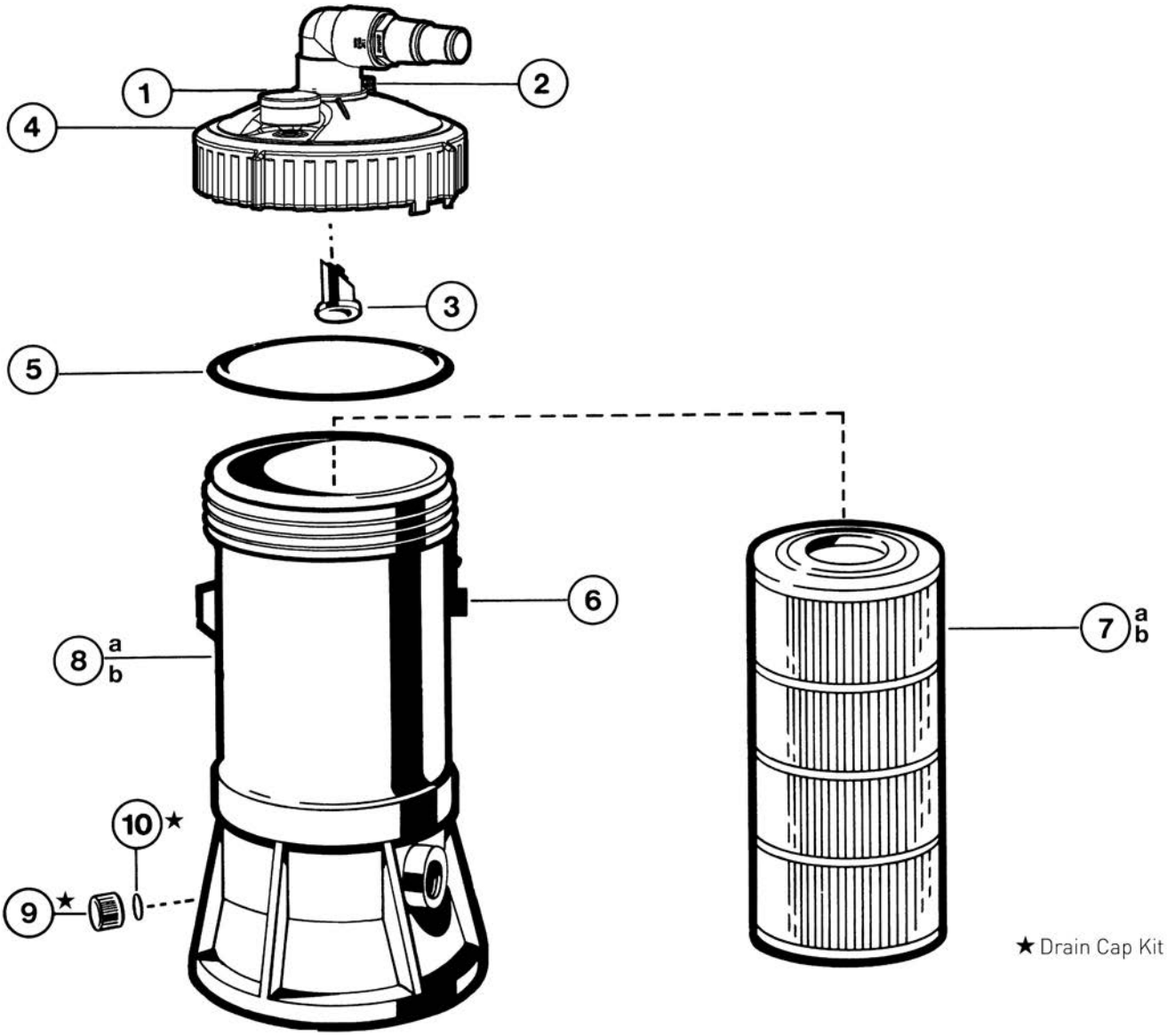
Parts Diagram



Parts Listing

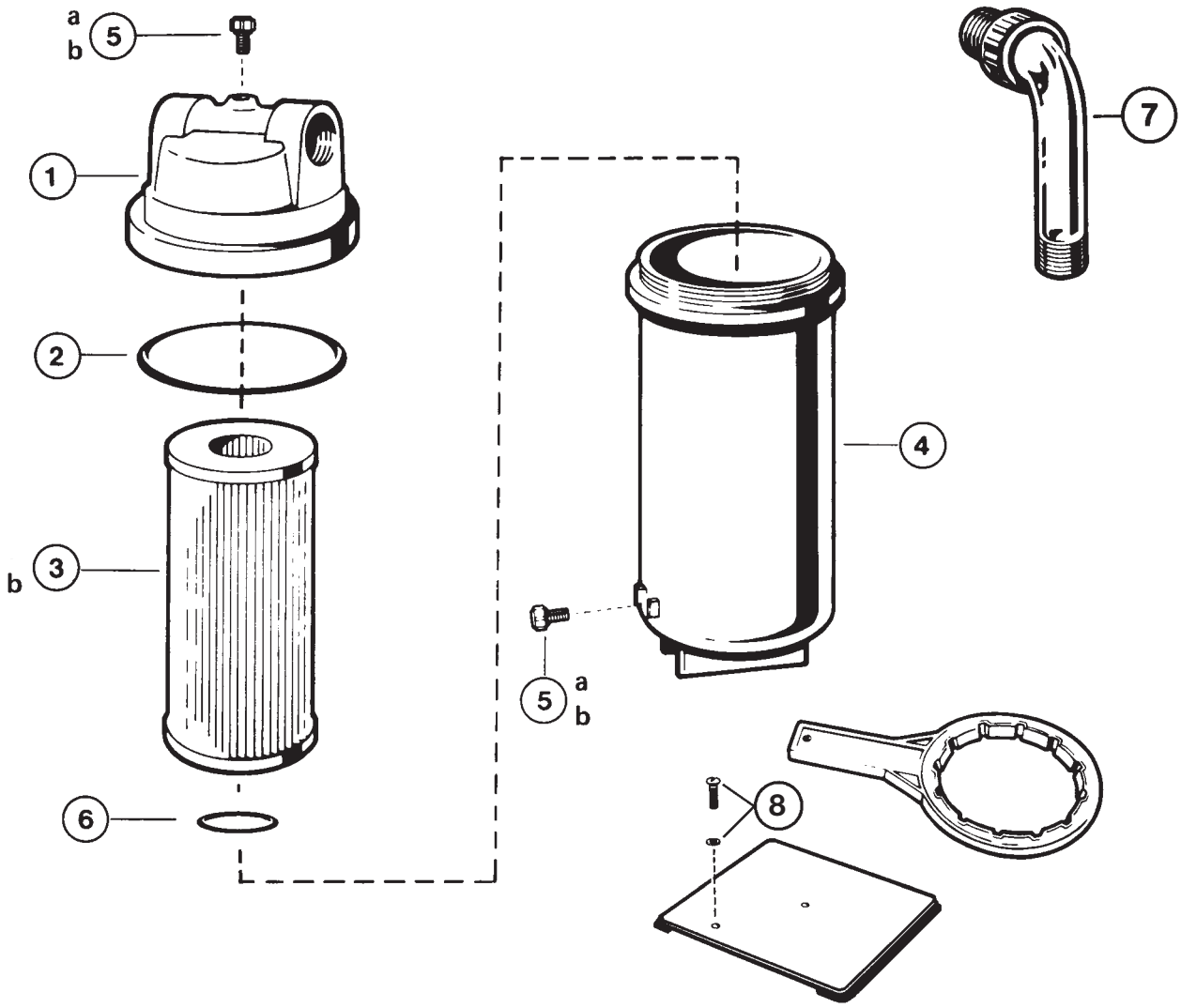
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX2709A1	Pressure Gauge	10	1	**Discont'd**
2	CCX1000L	Threaded Adapter for Pressure Gauge	50	1	**$5.58**
3	CCX1000V	Air Relief Assembly with O-Ring	50	1	**24.32**
4	CCX1000D	Lock Ring Assembly with 2 Safety Clips	1	1	**444.20**
5	CCX1000H	Safety Clips for Lock Ring *(Set of 2)*	50	2	**12.88**
6a	CCX1000C	Filter Lid with Lock Ring, 100 sq. ft.	1	1	**721.62**
6b	CCX1500C	Filter Lid with Lock Ring, 150 sq. ft.	1	1	**790.03**
7	CCX1000N	Adapter Nut *(Set of 2)*	50	2	**7.76**
8a	CCX1000RE	Cartridge Element, 100 sq. ft.	1	1	**141.40**
8b	CCX1500RE	Cartridge Element, 150 sq. ft.	1	1	**194.97**
9	CCX1000B	Filter, Lower Body	1	1	**462.66**
10	SP1480BLK	Self Aligning Union, Black	50	1	**33.23**
11	Varies per model	Above-ground Pump	—	1	**Discont'd**
12	CCX1000A	Base, Standard	1	1	**260.48**
13	SP1022CBLK	Drain Plug with O-Ring, Threaded 1 1/2", Black	100	1	**2.70**
14	CCX1000G	Body O-Ring	50	1	**41.20**
15	SPX1500W	Pressure Gauge O-Ring	50	1	**7.14**
16	CCX1000Z5	O-Ring for Gauge Adapter and Air Relief	10	2	**7.56**

Parts Diagram and Parts Listing



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX27091	Gauge	25	1	**$51.42**
2	ECX1322A	Vent Valve with O-Ring	20	1	**18.72**
3	ECX4077B1	Check Valve	20	1	**36.70**
4	CX400BA	Filter Head (Cover) with Check Valve and Locking Ring	1	1	**250.60**
5	CX400G	Filter Head (Cover) O-Ring	10	1	**69.49**
6	CX400D	Locking Ring Latch	10	1	**Discont'd**
7a	CX410RE	Filter Element (40 sq. ft.)	1	1	**Discont'd**
7b	CX550RE	Filter Element (55 sq. ft.)	1	1	**134.03**
8a	CX400AA	Filter Body (C400)	1	1	**Discont'd**
8b	CX550AA	Filter Body (C550)	—	1	**Discont'd**
9	SX200Z8	Drain Cap	—	1	**Discont'd**
10	SX200Z9	Gasket	25	1	**3.23**
★	SX200Z8A	Drain Cap Kit (Includes #9 & 10)	50	1	**10.05**

Parts Diagram and Parts Listing

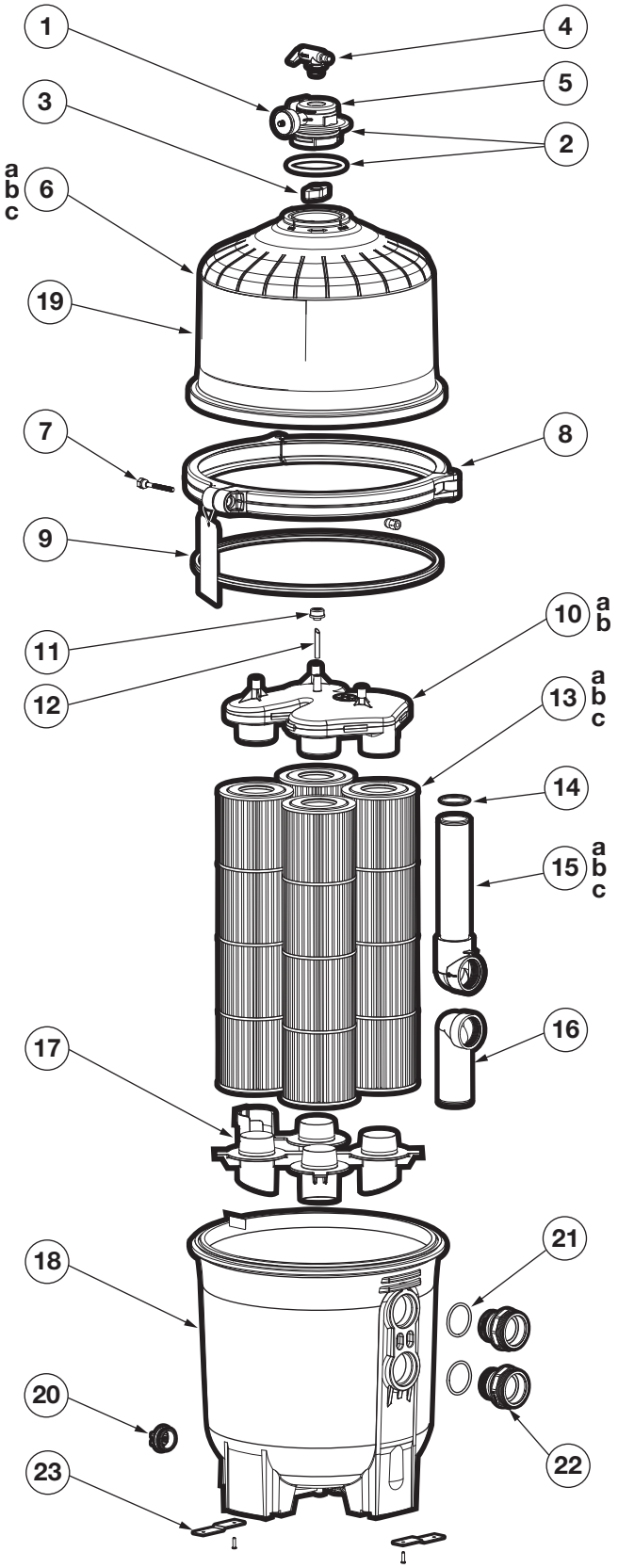


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	CX120AA	Filter Head with Vent Valve – 1 1/2" NPT	1	1	**$128.41**
2	CX120D	O-Ring	100	1	**26.48**
3	CX225RE	Cartridge Element – 25 sq. ft. (C225)	1	1	**65.87**
4	CX120B	Filter Body Housing	1	1	**Discont'd**
5a	ECX1321A*	Air Relief Valve with O-Ring	—	2	**Discont'd**
5b	ECX1322A	Directional Vent Valve with O-Ring	20	1	**18.72**
—	CX250Z15	By-Pass Plug (Internal)	1	1	**3.09**
6	SPX1485C	Gasket	25	1	**8.34**
7	SPX1485BPAK	Threaded Elbow Union Assembly	10	1	**109.27**
—	S200KT	Wrench Tool for Body Housing (optional)	10	10	**32.00**
8	ECX1108A	Pump Mounting Screw with Washer	10	2	**9.46**

NOTE: *Replace with ECX1322A.

DEP 500 Series

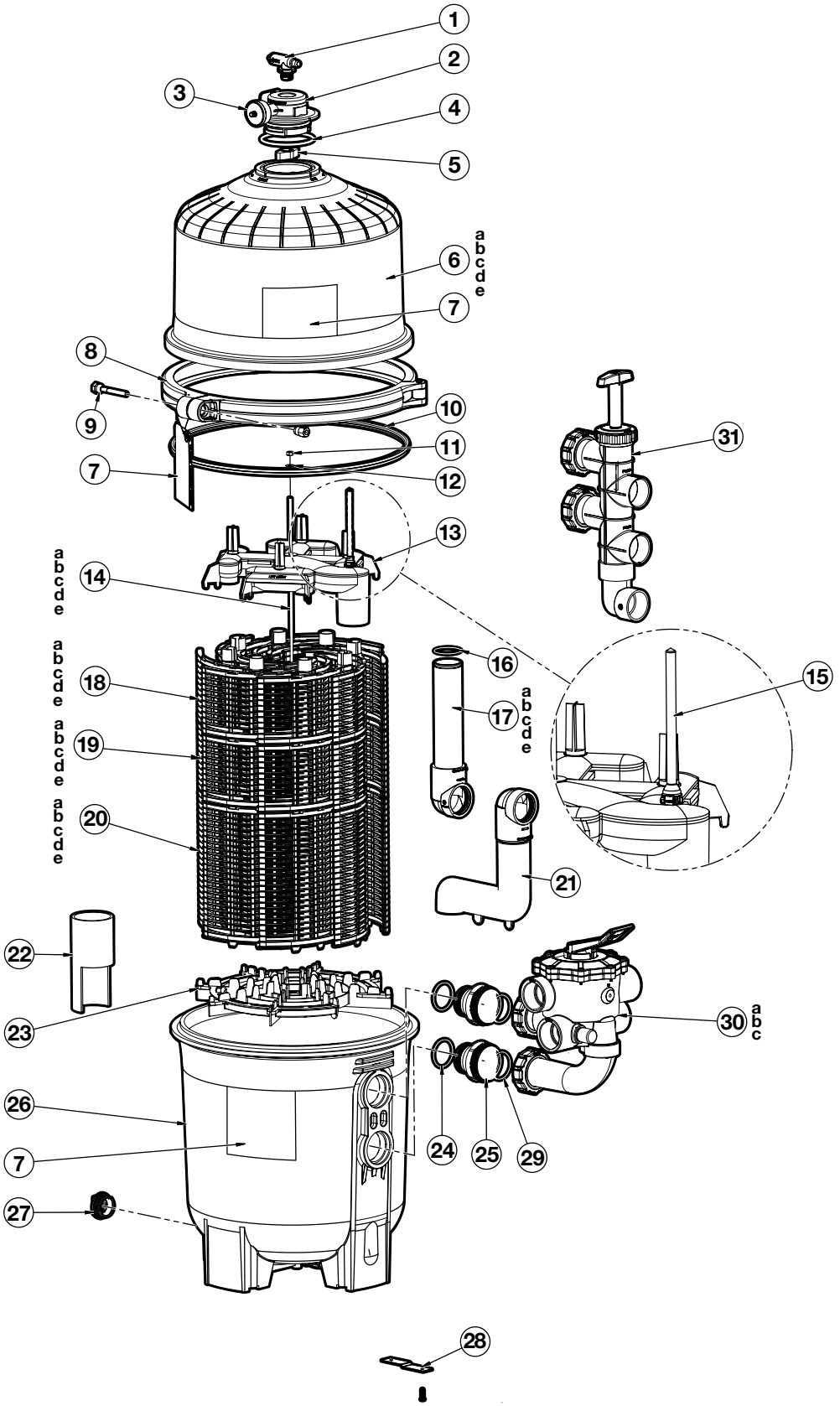
Parts Diagram



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX2712B1	Pressure Gauge	20	**$46.92**
2	DEX2420Z8A	O-Ring Kit *(Set of 2)*	10	**58.98**
3	CCX1000N	Air Relief Valve Nut	50	**7.76**
4	CCX1000V	Manual Air Relief with O-Ring	50	**24.32**
5	DEX2420MAR2	Manual Air Relief Assembly	1	**309.84**
6a	DEX3620BTC	Upper Filter Body DEP60	1	**1,248.56**
6b	DEX4820BTC	Upper Filter Body DEP80	1	**1,402.54**
6c	DEX6020BTC	Upper Filter Body DEP100	1	**1,531.86**
7	DEX2421J2	Clamp Bolt & Nut	10	**70.65**
8	DEX2421JKIT	Clamp System Including: Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels	1	**840.77**
9	DEX2422Z2	Metal Reinforced Seal	1	**149.20**
10a	CX3030C	Top Manifold	1	**184.00**
10b	CX5030C	Top Manifold, DEP100	1	**184.06**
11	CX3000J1	Air Relief Filter	150	**30.95**
12	CX2030Z3	Air Relief Tube	10	**24.66**
13a	DEX150E	Cartridge Element DEP60 (1 of 4 Required)	1	**165.59**
	DEX150EPAK4	Cartridge DEP60 *(4 Pack)*	1	**629.19**
13b	DEX200E	Cartridge Element DEP80 (1 of 4 Required)	1	**Discont'd**
	DEX200EPAK4	Cartridge DEP80 *(4 Pack)*	1	**1,010.53**
13c	DEX250E	Cartridge Element DEP100 (1 of 4 Required)	1	**283.62**
	DEX250EPAK4	Cartridge DEP100 *(4 Pack)*	1	**1,239.35**
14	DEX2400Z5	O-Ring	10	**11.64**
15a	DEX60EA	Outlet Elbow Assembly DEP60	5	**154.01**
15b	DEX80EA	Outlet Elbow Assembly DEP80	5	**165.03**
15c	DEX100EA	Outlet Elbow Assembly DEP100	4	**174.15**
16	CX3020FB	Inlet Elbow	5	**112.90**
17	CX3030D	Bottom Seal Plate	1	**115.36**
18	DEX2420ATC	Lower Filter Body	1	**1,567.57**
19	DEX6040LA6PAK	Label Pack: Includes all Warning and Operation Labels, Hang Tag, Wire Tie, and Owner's Manual	—	**Discont'd**
20	SP1022CBLK	1 1/2" Drain Plug with O-Ring	100	**2.70**
21	SX220Z2	O-Ring	10	**20.44**
22	DEX2420F	Bulkhead Fitting	25	**64.45**
23	DEX2420DCKIT	Strap Kit (Optional)	25	**Discont'd**

Parts Diagram



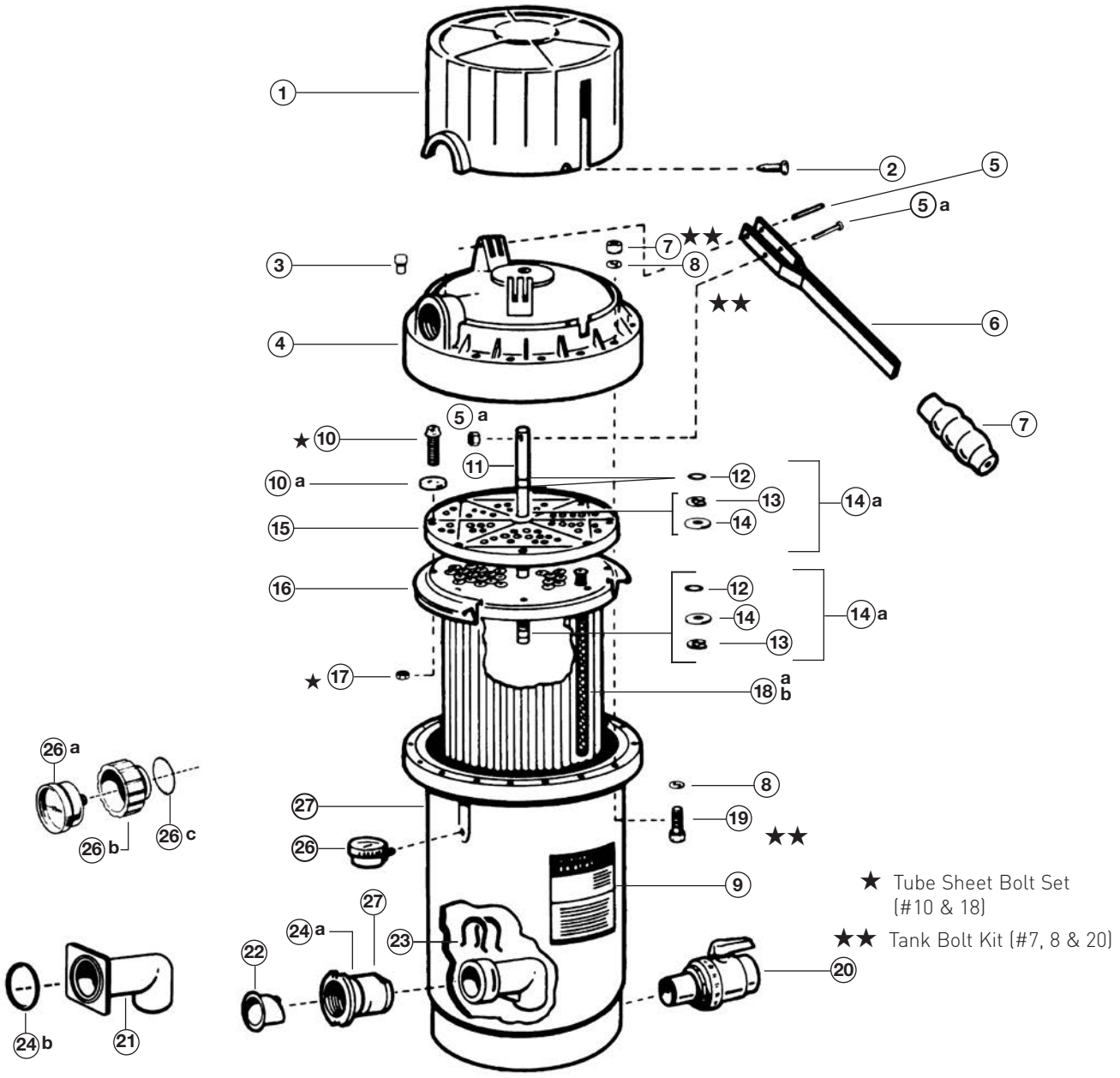
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	CCX1000V	Manual Air Relief Valve with O-Ring	50	1	**$24.32**
2	DEX2420MAR2	Manual Air Relief Assembly	1	1	**309.84**
3	ECX2712B1	Pressure Gauge	20	1	**46.92**
4	DEX2420Z8A	O-Ring Kit *(Set of 2)*	10	1	**58.98**
5	CCX1000N	Manual Air Relief Valve Nut	50	1	**7.76**
6a	DEX2420BTC	Filter Head (DE2420)	1	1	**1,088.20**
6b	DEX3620BTC	Filter Head with Clamp (DE3620)	1	1	**1,248.56**
6c	DEX4820BTC	Filter Head with Clamp (DE4820)	1	1	**1,402.54**
6d	DEX6020BTC	Filter Head with Clamp (DE6020)	1	1	**1,531.86**
6e	DEX7220BTC	Filter Head (DE7220)	1	1	**1,667.55**
7	DEX2420LA6PAK	Label Pack (Includes all warning and operation labels, hang tag (#10), wire tie and owner's manual)	10	1	**71.78**
8	DEX2421JKIT	Clamp System including: Clamp, Clamp Nut and Bolt, Warning Hang Tag, Metal Reinforced Seal and Labels	1	1	**840.77**
9	DEX2421J2*	Clamp Bolt and Nut	10	1	**70.65**
10	DEX2422Z2*	Metal Reinforced Seal	1	1	**149.20**
11	ECX176865	Retainer Nut, 5/16" – 18	25	1	**4.93**
12	ECX1109	Washer, 5/16" (2 Required)	10	2	**3.96**
13	DEX2400C	Top Collector Manifold with Flex Air Relief Assembly	1	1	**158.86**
14a	DEX2400R	Retainer Rod (DE2420)	5	1	**108.28**
14b	DEX3600R	Retainer Rod (DE3620)	5	1	**118.28**
14c	DEX4800R	Retainer Rod (DE4820)	5	1	**134.53**
14d	DEX6000R	Retainer Rod (DE6020)	5	1	**162.56**
14e	DEX7200R	Retainer Rod (DE7220)	5	1	**185.08**
15	DEX2400CR	Flex Air Relief Assembly	50	1	**45.14**
16	DEX2400Z5	Outlet Elbow O-Ring	10	1	**11.64**
17a	DEX2420EA	Outlet Elbow Assembly with O-Ring (DE2420)	5	1	**150.90**
17b	DEX3620EA	Outlet Elbow Assembly with O-Ring (DE3620)	10	1	**154.01**
17c	DEX4820EA	Outlet Elbow Assembly with O-Ring (DE4820)	5	1	**165.03**
17d	DEX6020EA	Outlet Elbow Assembly with O-Ring (DE6020)	5	1	**174.15**
17e	DEX7220EA	Outlet Elbow Assembly with O-Ring (DE7220)	10	1	**181.93**
18a	DEX2420DC	Filter Element Cluster Assembly (DE2420)	1	1	**958.57**
18b	DEX3600DC**	Filter Element Cluster Assembly (DE3620)	1	1	**1,188.38**
18c	DEX4800DC**	Filter Element Cluster Assembly (DE4820)	1	1	**1,396.20**
18d	DEX6000DC**	Filter Element Cluster Assembly (DE6020)	1	1	**1,662.80**
18e	DEX7200DC**	Filter Element Cluster Assembly (DE7220)	1	1	**1,983.48**
19a	DEX2400DA	Filter Element (DE2420)	10	7	**45.56**
19b	DEX3600DA	Filter Element (DE3620)	10	7	**61.08**
19c	DEX4800DA	Filter Element (DE4820)	10	7	**71.19**
19d	DEX6000DA	Filter Element (DE6020)	10	7	**82.77**
19e	DEX7200DA	Filter Element (DE7220)	10	7	**100.07**
20a	DEX2400DS	Filter Element – Short (DE2420)	10	1	**47.66**
20b	DEX3600DS	Filter Element – Short (DE3620)	10	1	**58.42**
20c	DEX4800DS	Filter Element – Short (DE4820)	10	1	**73.59**
20d	DEX6000DS	Filter Element – Short (DE6020)	10	1	**85.37**
20e	DEX7200DS	Filter Element – Short (DE7220)	10	1	**102.14**
21	DEX2420GA	Inlet Elbow	5	1	**180.57**
22	DEX2420T	Element Spacer (DE2420 Only)	5	1	**83.56**
23	DEX2400H	Filter Element Locator	1	1	**104.26**
24	SX220Z2	Bulkhead O-Ring (2 Required)	10	2	**20.44**
25	DEX2420F	Bulkhead Fitting (2 Required)	25	2	**64.45**
26	DEX2420ATC	Filter Body with Clamp	1	1	**1,567.57**
27	SP1022CBLK	1 ½" Drain Plug with O-Ring	100	1	**2.70**
28	DEX2420DCKIT	Strap Kit: 2 Straps, 2 Screws (Optional)	25	1	**Discont'd**
29	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**13.31**
30a	SP0740DE	Selecta-Flo™ Valve Assembly – 2" SKT	1	1	**480.91**
30b	SP0710XR50	Vari-Flo™ Valve Assembly – 1 ½" NPT	1	1	**303.77**
30c	SP0715XR50	Vari-Flo Valve Assembly – 2" NPT	1	1	**479.97**
31	SP0410X502S	Slide Valve Assembly – 2" SKT	1	1	**224.32**

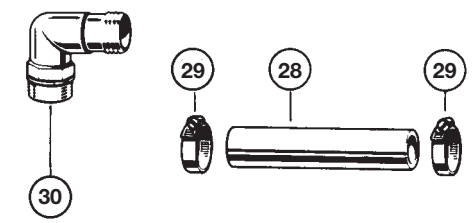
NOTES: *Compatible only with DEX2421JKIT clamp system for Hayward ProGrid D.E. and SwimClear cartridge filters.

**Assembled set of filter elements, manifold flex air relief, retainer rod and element locator.

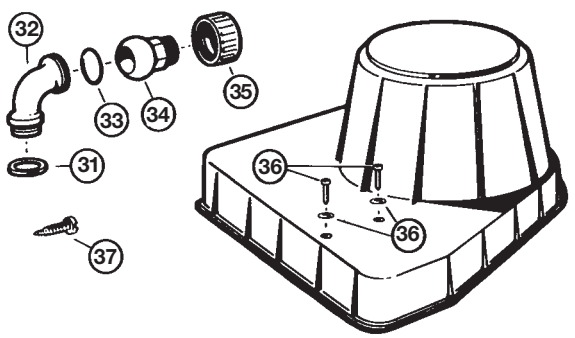
Parts Diagram



SERIES EC65 – STANDARD



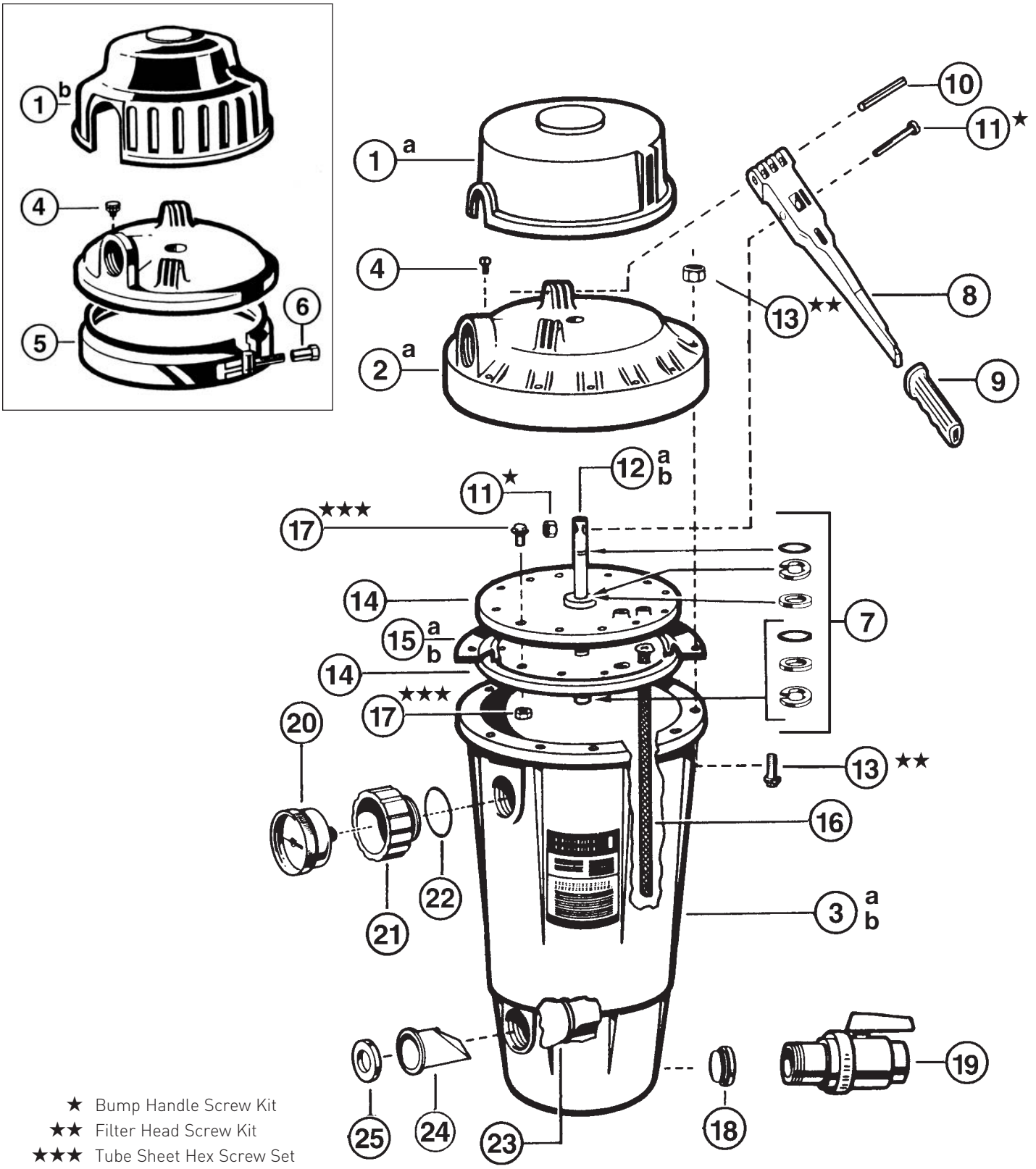
SERIES EC65 SYSTEM III



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX11206	Bump Mechanism Cover	1	1	**$113.72**
2	ECX1019	Cover Screw (1981 and Prior) – Not Available	—	1	**Discont'd**
3	ECX1322A	Vent Valve (Threaded) with O-Ring	20	1	**18.72**
4	ECX11194AT	Filter Head with New Vent Valve	1	1	**527.93**
5	ECX100Z9	Roll Pin	50	2	**8.49**
5a	ECX4236A	Bump Screw Kit	1	1	**10.39**
6	ECX1040	Bump Handle Assembly (Includes Pin, Shoulder Screw, Nut)	5	1	**79.88**
—	ECX1037B	Bump Handle Grip	—	1	**Discont'd**
7	ECX1642A	Tank Bolt Set	20	15	**12.40**
8	ECX1077	1/4" x 1 1/16" O.D. Flat Washer	50	30	**Discont'd**
9	ECX1230	Decal – Operation	—	1	**Discont'd**
10	SPX1500N1	Tube Sheet Screw	50	16	**4.42**
10a	ECX1641125	Flat Washer (1989 and Prior)	25	16	**Discont'd**
11	ECX1110	Bump Shaft	25	1	**107.09**
12	ECX9611246PAK3	Shaft O-Ring Kit *(Set of 3)*	25	1	**6.71**
13	ECX1014PAK2	Retainer Clip (Set of 2)	25	1	**14.30**
14	ECX1011	Thrust Washer	25	2	**5.95**
14a	ECX1014A	Shaft Kit (Includes #12, 13 & 14)	25	1	**29.82**
15	ECX11034SET	Tube Sheet Set (Top and Bottom)	10	1	**153.81**
16	ECX1105	Diaphragm Gasket	10	1	**170.18**
17	SPX1500Y1	Tube Sheet Nut	50	16	**3.31**
18a	ECX1031PAK5	EC65 Flex Tube 13 3/8" Long *(Set of 5)*	10	12	**60.37**
18b	ECX1032PAK10	EC75 Flex Tube 16 1/4" Long *(Set of 10)*	10	24	**147.92**
19	ECX1642215	1/4" – 20 x 1 3/4" Hex. Head Bolt	25	15	**7.16**
20	SP0723	Ball-Type Drain Valve	24	1	**59.06**
21	ECX4220A	Elbow Assembly with Check Valve	10	1	**103.78**
22	ECX4077B1	Check Valve	20	1	**36.70**
23	ECX4212A	Retainer Clip (1989 and Prior)	10	2	**Discont'd**
24a	SPX1425Z6	O-Ring (1989 and Prior)	25	1	**5.40**
24b	SPX1500W	O-Ring (1990)	50	1	**7.14**
25	ECX4201CA	Inlet Fitting with ECX4077B1 Check Valve	10	1	**117.85**
26	ECX2712B1	Pressure Gauge	20	1	**46.92**
26a	ECX27091	Pressure Gauge, Back Mount	25	1	**51.42**
26b	ECX12866	Gauge/Port Adapter	10	1	**39.81**
26c	ECX1287	Adapter O-Ring	25	1	**9.74**
27	ECX11184AT	Filter Body with new Elbow Assembly	1	1	**Discont'd**
★	SPX1500NYA	Tube Sheet Bolt Set (Includes #10 & 18)	50	1	**7.87**
★★	ECX1642A	Tank Bolt Kit (EC65, 75 – Includes #7, 8 & 20)	20	15	**12.40**
—	ECX1251	Flex-Tube Nest (EC65 – Includes Items 10 thru 19)	1	—	**1,903.80**
—	ECX125175	Flex-Tube Nest (EC75 – Includes Items 10 thru 19)	1	—	**2,206.61**
Series EC65 – Standard					
28	ECX27071	1 9/16" I.D. Clear Hose	2	1	**$45.08**
29	ECX18028	Hose Clamp	25	2	**8.49**
30	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	2	**12.46**
Series EC65 System III					
31	SPX1485C	Gasket	25	1	**$8.34**
32	SPX1485B	Pump Discharge Elbow	10	1	**43.87**
33	SPX1425Z6	O-Ring	25	1	**5.40**
34	SPX1485A	Union Ball End	10	1	**35.11**
35	SPX1480C	Union Nut	10	1	**22.13**
36	ECX1161Z2	Pump Mounting Screw Set	10	2	**15.72**
37	SPX1600Z52	Anchor Screw *(Pkg. of 2)*	1	2	**9.88**

Parts Diagram



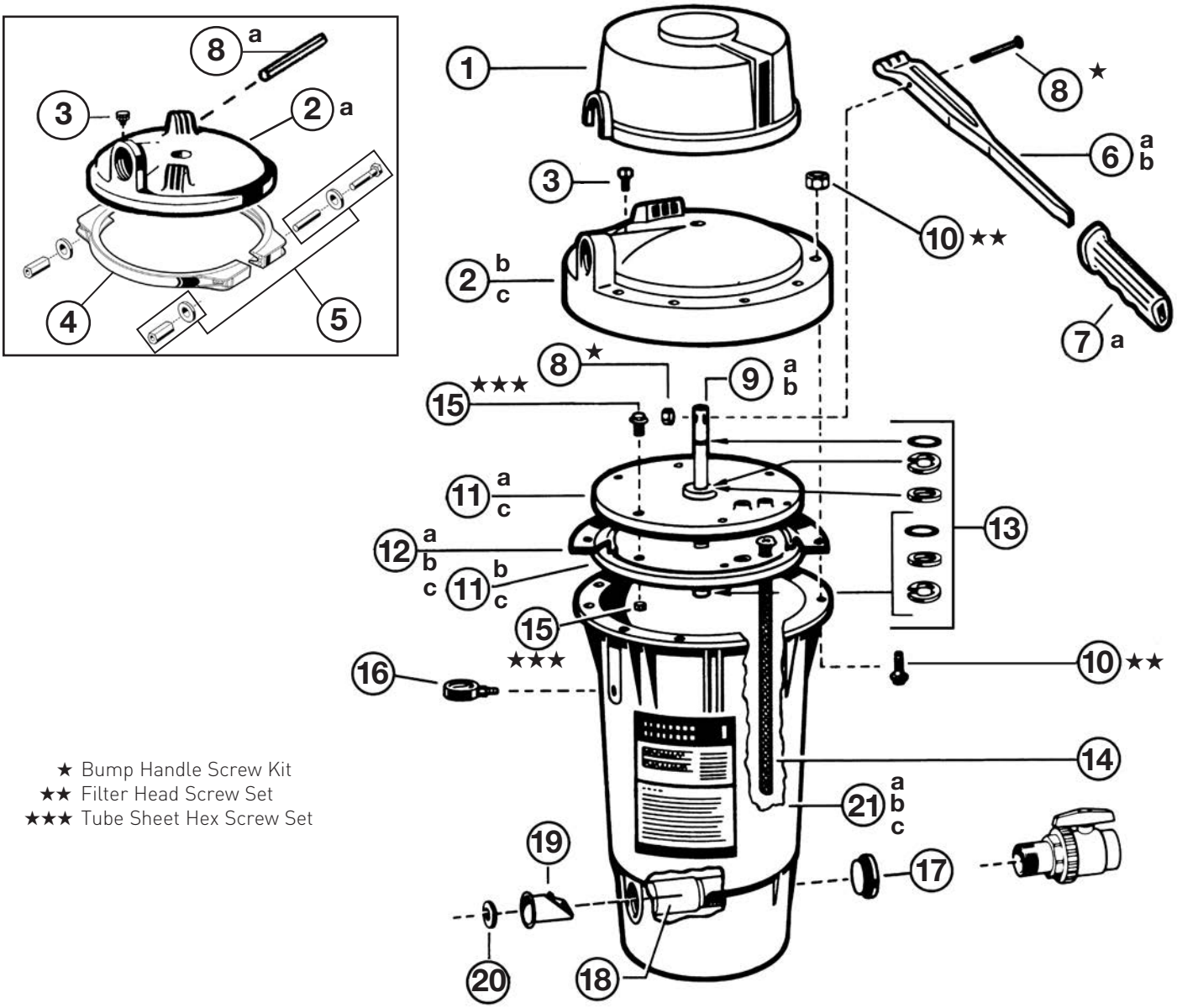
★ Bump Handle Screw Kit
★★ Filter Head Screw Kit
★★★ Tube Sheet Hex Screw Set

Parts Listing (Parts unique to a specific series are designated)

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1a	ECX11156	Bump Mechanism Cover – EC50A	7	1	**Discont'd**
1b	ECX5000D	Bump Mechanism Cover – EC50AC	1	1	**Discont'd**
2a	ECX10334P	Filter Head with Vent Valve – EC50A	1	1	**$336.91**
2b	ECX5000BP	Filter Head with Vent Valve – EC50AC	1	1	**369.25**
3a	ECX11344P	Filter Body with Flow Diffuser – EC50A	—	1	**Discont'd**
3b	ECX5000AP	Filter Body with Flow Diffuser – EC50AC	1	1	**Discont'd**
4	ECX1322A	Directional Vent Valve with O-Ring	20	1	**18.72**
5	ECX5000C	Clamp Assembly with Springs – EC50AC	1	1	**Discont'd**
6	ECX360JN	Nickel Plated Sleeve Nut, 5/16" – EC50AC	10	1	**35.51**
7	ECX1014A	Bump Shaft Kit	25	1	**29.82**
8	ECX1040	Bump Handle Assembly – Xyron	5	1	**79.88**
9	ECX1037B	Bump Handle Grip – Xyron	—	1	**Discont'd**
10	ECX100Z9	Pivot Pin (long)	50	1	**8.49**
11	ECX4236A	Bump Handle Screw Kit	1	1	**10.39**
12a	ECX1009	Bump Shaft, 1/2" – EC50A	25	1	**93.42**
12b	ECX5000F	Bump Shaft, 1/2" – EC50AC	25	1	**103.64**
13	ECX10271A	Filter Head Screw Set – EC50A only	20	12	**16.25**
14	ECX1004ASET	Tube Sheet Set (Top and Bottom)	10	1	**136.77**
15a	ECX1003	Diaphragm Gasket – EC50A	10	1	**128.16**
15b	ECX5000G	Diaphragm Gasket – EC50AC	10	1	**134.36**
16	ECX1032PAK10	Flex Tube 16 1/4" Long *(Set of 10)*	10	72	**147.92**
17	SPX1500NYA	Tube Sheet Hex Screw Set – (units 2020 and older)	50	12	**7.87**
—	ECX1600PAK	Tube Sheet Hex Screw Set – (units 2021 -)	50	1	**7.03**
18	SP1022CBLK	Plug with Gasket	100	1	**2.70**
19	SP0723	Ball-Type Drain Valve with Nipple	24	1	**59.06**
20	ECX27091	Pressure Gauge – Back Mount	25	1	**51.42**
21	ECX12866	Gauge/Inspection Port Adapter	10	1	**39.81**
22	ECX1287	O-Ring for Gauge Adapter	25	1	**9.74**
23	ECX1256	Flow Diffuser with Check Valve	20	1	**84.86**
24	ECX4077B1	Check Valve	20	1	**36.70**
25	ECX1055	Flow Controller	10	1	**11.92**
—	ECX1036*	Flex-Tube Nest (EC50A)	—	1	**Discont'd**
—	ECX1037	Flex-Tube Nest (EC50AC)	1	1	**1,319.83**

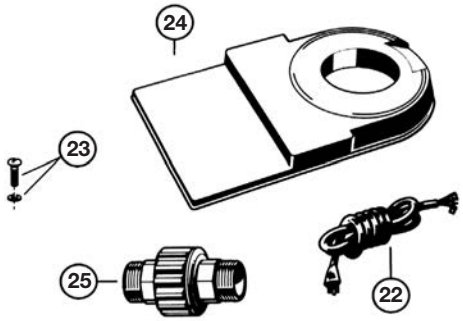
NOTE: *Includes bump shaft, shaft kit, top and bottom tube sheet, diaphragm gasket and 12 tube sheet screw sets.

Parts Diagram

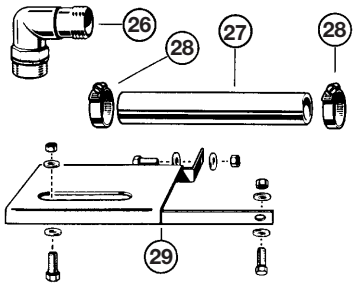


★ Bump Handle Screw Kit
★★ Filter Head Screw Set
★★★ Tube Sheet Hex Screw Set

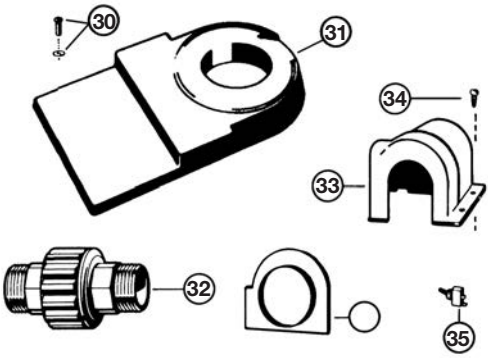
EC301500 SERIES SYSTEMS



SERIES EC40F KIT



SERIES EC4075 & EC40C75 FILTERS

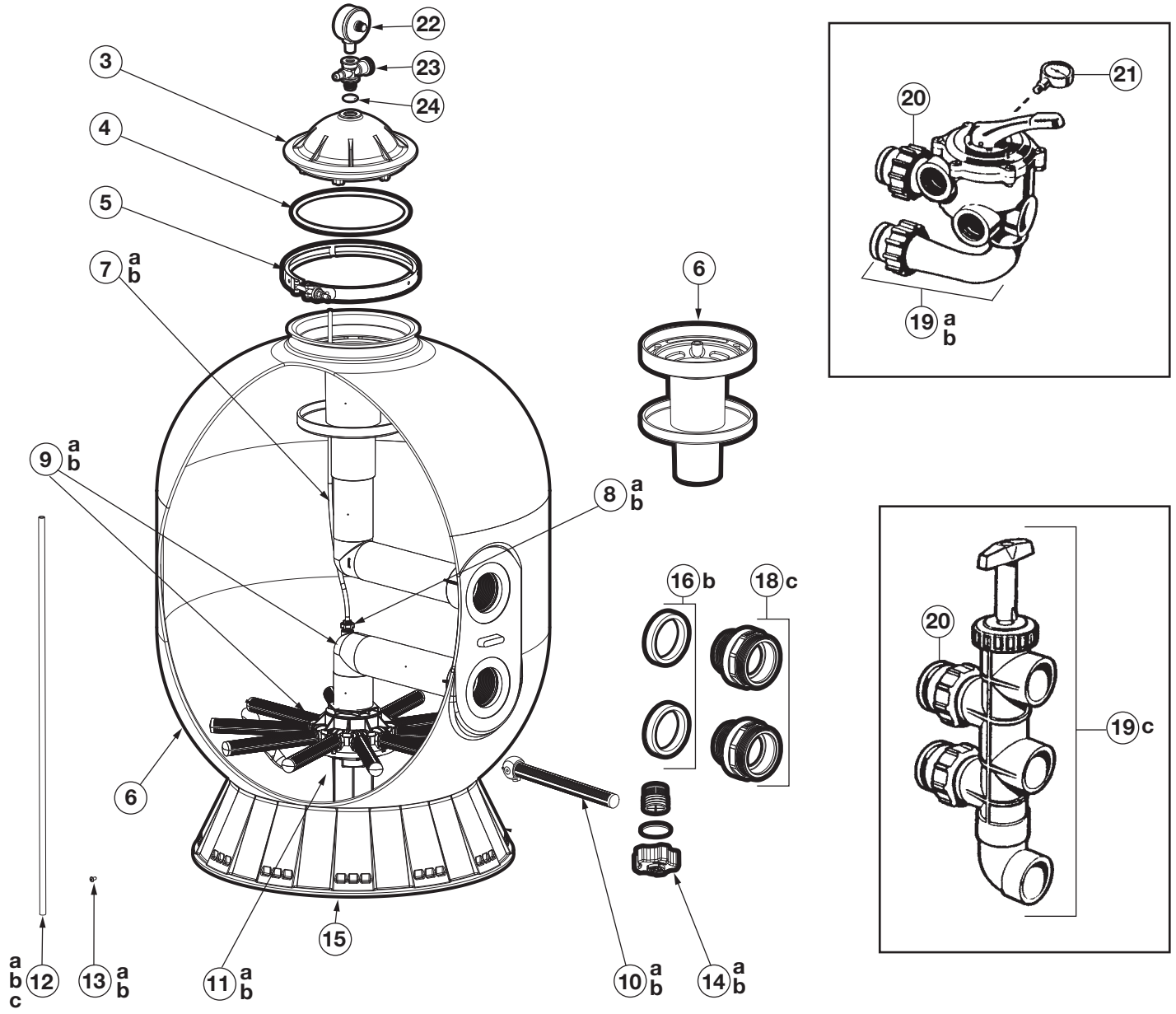


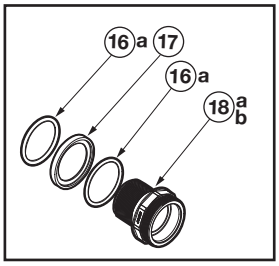
Parts Listing (Parts unique to a specific series are designated)

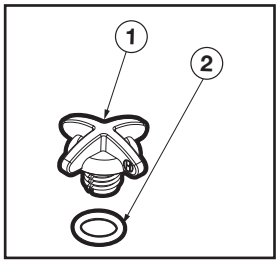
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX10066	Bump Mechanism Cover	4	1	**Discont'd**
2a	ECX1131P	Filter Head with Vent Valve – EC30	1	1	**Discont'd**
2b	ECX10334P	Filter Head with Vent Valve – EC40	1	1	**$336.91**
2c	ECX5000BP	Filter Head with Vent Valve – EC40AC	1	1	**369.25**
3	ECX1322A	Vent Valve (Threaded) with O-Ring	20	1	**18.72**
4	ECX4000C	Clamp Assembly with Hardware (2 Bolts, 2 Nuts, 2 Spacers, 4 Washers)	1	1	**229.31**
5	ECX4000CHK	Hardware Kit for Clamp Assembly (2 Bolts, 1 Nut, 1 Spacer, 2 Washers)	15	1	**84.92**
6a	ECX1037A	Bump Handle Grip – EC30	10	1	**Discont'd**
6b	ECX1040	Bump Handle Assembly – EC40/EC40AC	5	1	**79.88**
7a	ECX1037B	Bump Handle Grip – EC30/40	50	1	**Discont'd**
8	ECX4236A	Bump Handle Screw Kit	1	1	**10.39**
8a	ECX100Z9	Pivot Pin (Long) – EC40AC only	50	1	**8.49**
9a	ECX1009	Bump Shaft, ½" – EC30/EC40	25	1	**93.42**
9b	ECX5000F	Bump Shaft – EC40AC	25	1	**103.64**
10	ECX10271A	Filter Head Screw Set – EC30/EC40	20	10/12	**16.25**
11a	ECX1038A	Tube Sheet (Top) – EC30	10	1	**Discont'd**
11b	ECX1038	Tube Sheet (Top) – EC30	10	1	**Discont'd**
11c	ECX1004ASET	Tube Sheet Set (Top and Bottom) – EC40 and EC40A	10	1	**136.77**
12a	ECX1039	Diaphragm Gasket – EC30	10	1	**124.51**
12b	ECX1003	Diaphragm Gasket – EC40	10	1	**128.16**
12c	ECX5000G	Diaphragm Gasket – EC40AC	10	1	**134.36**
13	ECX1014A	Bump Shaft Kit	25	1	**29.82**
14	ECX1031PAK5	Flex Tube 13 ⅜" Long *(Set of 5)* – 54 for EC30, 72 for EC40	10	11/15	**60.37**
15	SPX1500NYA	Tube Sheet Hex Screw Set – EC30/EC40	50	6/12	**7.87**
16	ECX270861	Pressure Gauge	50	1	**46.67**
17	SP1022C	Plug with Gasket	100	1	**2.70**
—	SP0723	Ball-Type Drain Valve with Nipple	24	1	**59.06**
18	ECX1256	Flow Diffuser with Check Valve	20	1	**84.86**
19	ECX4077B1	Check Valve	20	1	**36.70**
20	ECX1055	Flow Controller	10	1	**11.92**
21a	ECX1132P	Filter Body with Flow Diffuser – EC30	—	1	**Discont'd**
21b	ECX10344P	Filter Body with Flow Diffuser – EC40	1	1	**Discont'd**
21c	ECX4034	Filter Body with Flow Diffuser – EC40AC	1	1	**Discont'd**
—	ECX1133	Flex Tube Nest (Includes 9, 11-15) – EC30	2	2	**1,008.26**
—	ECX1035	Flex Tube Nest (Includes 9, 11-15) – EC40	2	2	**Discont'd**
—	ECX4035	Flex Tube Nest (Includes 9, 11-15) – EC40AC	2	2	**1,176.94**
EC301500 Series Systems					
22	SPXABG12CORD	6 Ft. Cord Set – No. 14/3 AWG	25	1	**$67.87**
23	ECX1108A	5/16" x ¾" Mounting Screws and 5/16" Washers (2) Kit	10	1	**9.46**
24	EC1161PAK	Platform Base with Screws	1	1	**90.21**
25	SP1480BLK	1 ½" Male Union	50	1	**33.23**
Series EC40F Kit					
26	SPX1105Z4	1 ½" Elbow Hose Adapter	50	2	**$12.46**
27	ECX27071	1 9/16" I.D. Clear Hose	2	1	**45.08**
28	ECX18028	Hose Clamp	25	2	**8.49**
29	ECX10992	Pump Mounting Base	3	1	**Discont'd**
Series EC4075 and EC4075UL Filters					
30	ECX1108A	5/16" x ¾" Mounting Screws (2) and 5/16" Washers (2) Kit	10	1	**$9.46**
31	EC1161PAK	Platform Base with Screws	1	1	**90.21**
32	SP1480BLK	1 ½" Male Union	50	1	**33.23**
33	ECX1121	Rainshield Cover Assembly	—	1	**Discont'd**
34	SPX1411Z3	Pan Head Hilo Screw	25	4	**Discont'd**
35	ECX1325	Switch Assembly	10	1	**Discont'd**
—	SPXABG12CORD	6 ft. Cord Set – No. 14/3 AWG	25	1	**67.87**

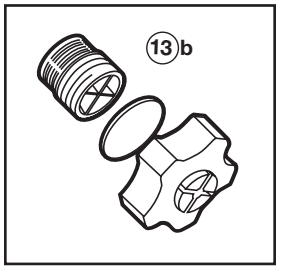
ProSeries™ Plus

Parts Diagram









Drain Cap Kit

Folding Lateral Assembly

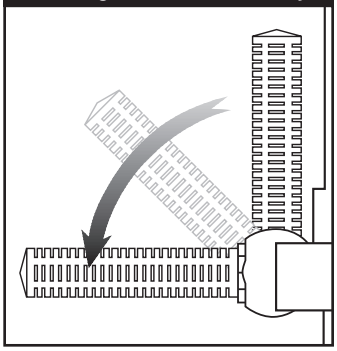
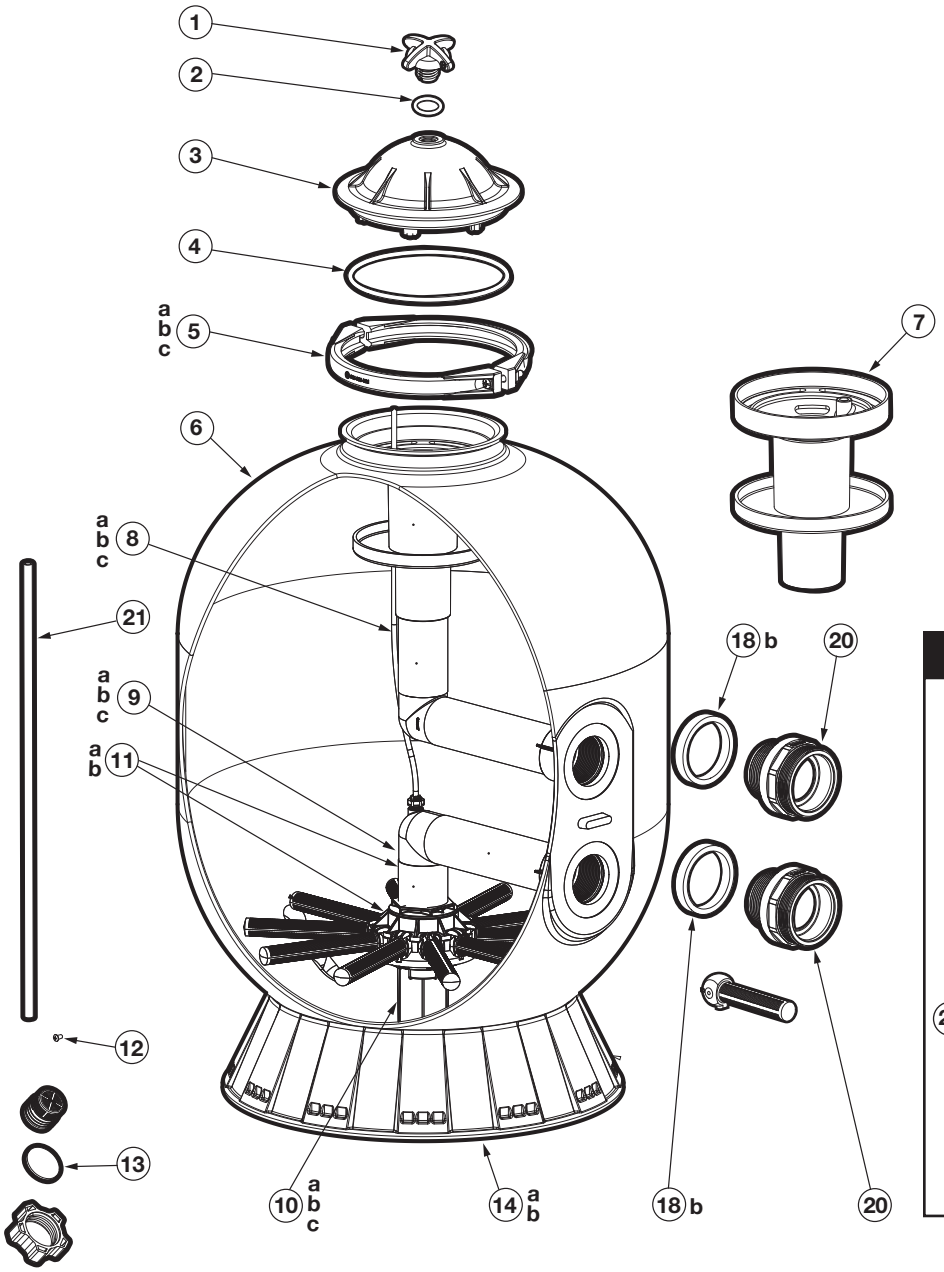


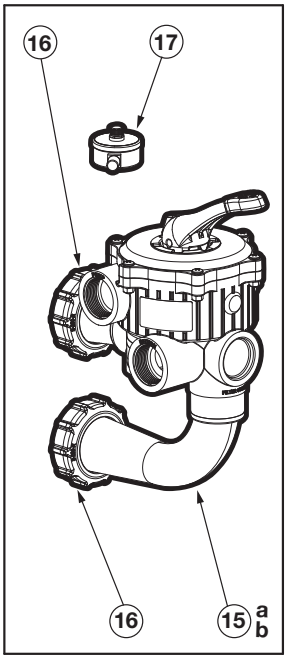
Diagram A

Parts Listing

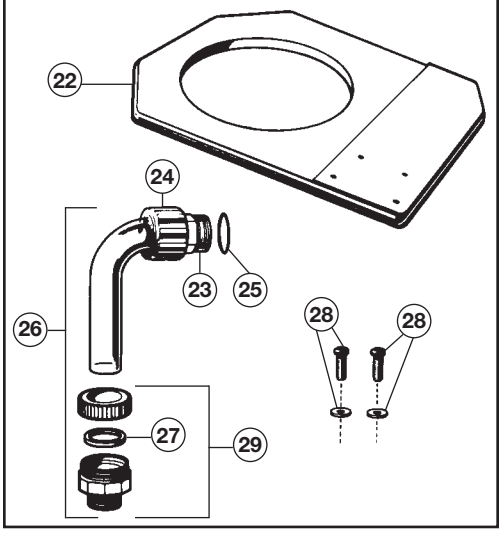
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$14.44**
2	SX200Z5	O-Ring	50	1	**4.73**
3	SX244K	Top Closure Dome	5	1	**130.91**
4	GMX600F	Tank O-Ring	100	1	**32.25**
5	SX310N	Flange Clamp	5	1	**119.50**
6	SX244GS	Top Diffuser Assembly	5	1	**61.64**
7a	SX311CD1FWS	Top Elbow Assembly (S311)	1	1	**139.57**
7b	SX360CD1FWS	Top Elbow Assembly (S360)	1	1	**139.57**
8a	SX311CD2FWS	Bottom Elbow Assembly (S311)	1	1	**160.50**
8b	SX360CDFWS	Bottom Elbow Assembly (S360) with Air Tube	1	1	**160.50**
9a	SX311MAS	Filter Internals Retrofit Kit (S311 before 07/24)	1	1	**207.17**
9b	SX360MAS	Filter Internals Retrofit Kit (S360 before 07/24)	1	1	**220.56**
10a	SX310HNRPAK10	Pivot/Ball Lateral *(Set of 10)*	10	1	**126.71**
10b	SX310HAPAK10	Threaded Lateral *(Set of 10)*	10	1	**Discont'd**
11a	SX311DAS	Folding Lateral Assembly (S311) (See Diagram A)	1	1	**203.14**
11b	SX242MA3S	Folding Lateral Assembly (S360) (See Diagram A)	1	1	**220.56**
12a	SX311AT	Air Tube (S311) (S311 before 07/24)	10	1	**63.49**
12b	SX360Z2	Air Tube (S360 before 07/24)	1	1	**Discont'd**
12c	SX360AT	Air Tube (S360 after 07/24)	1	1	**27.22**
13a	SX200Z2	Air Tube Lock Screw	10	1	**Discont'd**
13b	X1010574	Air Tube Nut (S311 and S360 after 07/24)	10	1	**4.64**
14a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**11.52**
—	SX200H	Bottom Drain Screen (2005 and Prior)	40	1	**11.64**
14b	SX180LA	Drain Cap Kit (See Diagram)	25	1	**14.24**
15	SX310J	Filter Support Stand	1	1	**295.71**
16a	SX360Z1	O-Ring (S311, S360 – after 1995)	25	4	**16.96**
16b	SX244Z1	Square Seal	25	2	**30.24**
17	SX360E	O-Ring Spacer (S311, S360 – after 1995)	10	2	**23.47**
18a	SX244P	Bulkhead Fitting (S311 after 1996, S360 after 1999) Replaced by SX244PX	10	2	**Discont'd**
18b	SX311F	Bulkhead Fitting (S360) (1999 and Prior)	10	2	**96.02**
18c	SX244PX	Bulkhead Fitting with Seal	10	2	**85.18**
19a	SP0710X62	Vari-Flo Valve Assembly – 1 ½" FIP	1	1	**320.56**
19b	SP0715X62	Vari-Flo Valve Assembly – 2" FIP	1	1	**480.75**
19c	SP0410X602S	Slide Valve Assembly – 2" SKT	1	1	**223.40**
20	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**13.31**
21	ECX270861	Pressure Gauge	50	1	**46.67**
Optional (Supplied with Model S311SXV Slide Valve Unit Only)					
22	ECX270861	Pressure Gauge	50	1	**$46.67**
23	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1	**65.10**
—	DEX2400Z3A	O-Ring for Relief Valve Stem *(Set of 3)*	100	1	**19.28**
24	SX200Z5	O-Ring	50	1	**4.73**

Parts Diagram





SYSTEM BASE ASSEMBLY



Folding Lateral Assembly

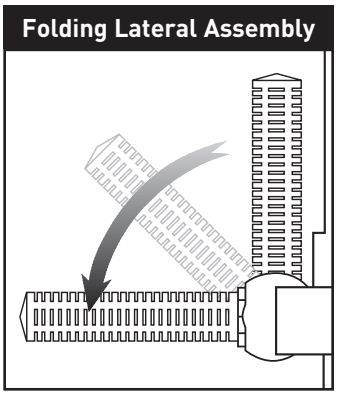
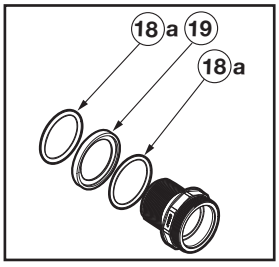
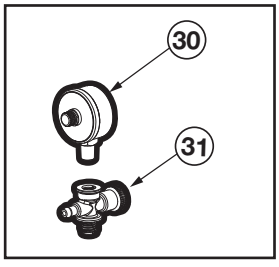
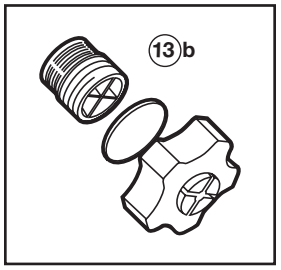


Diagram A







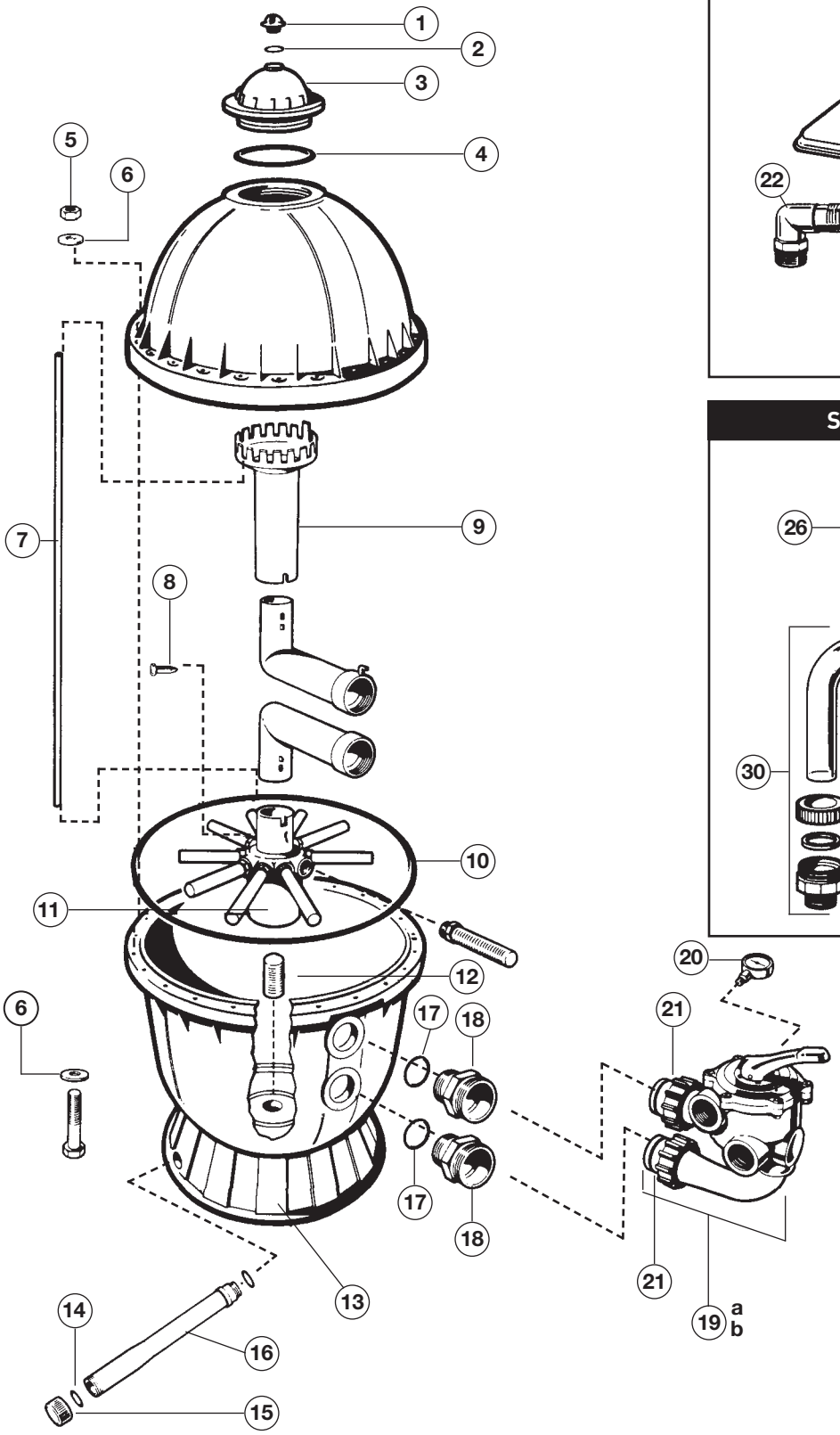
Drain Cap Kit

Parts Listing

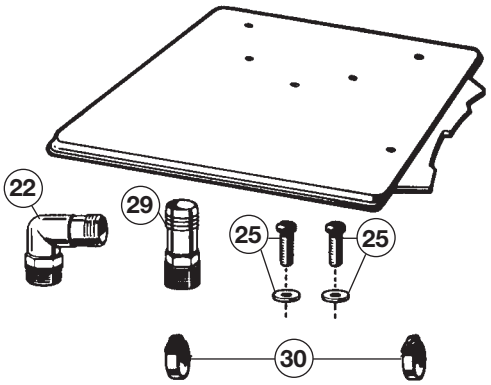
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$14.44**
2	SX200Z5	O-Ring	50	1	**4.73**
3	SX244K	Top Closure Dome	5	1	**130.91**
4	GMX600F	Tank O-Ring	100	1	**32.25**
5a	GMX600NM	Flange Clamp (S210S, S244S)	20	1	**90.81**
5b	SX310N	Flange Clamp (S310S)	5	1	**119.50**
6	SX244AA2FW	S244S Filter Tank with Drain Cap and Base	1	1	**Discont'd**
7	SX244GS	Top Diffuser Assembly	5	1	**61.64**
8a	SX210CD1FW	Top Elbow Assembly, S210S	1	1	**110.38**
8b	SX244CD1FWS	Top Elbow Assembly, S244S	1	1	**133.57**
8c	SX310CD1FWS	Top Elbow Assembly, S310S	1	1	**88.35**
9a	SX210CD2FW	Bottom Elbow Assembly, S210S	1	1	**108.17**
9b	SX244CD2FWS	Bottom Elbow Assembly, S244S	1	1	**133.77**
9c	SX310CD2FWS	Bottom Elbow Assembly, S310S	1	1	**135.69**
10a	SX242MA	Folding Umbrella Lateral Holder Assembly (S210S, 1997-) See Diagram A	1	1	**186.83**
10b	SX242MA1S	Folding Umbrella Lateral Holder Assembly (S244S, 1999-) See Diagram A	1	1	**185.05**
10c	SX242MA2S	Folding Umbrella Lateral Holder Assembly (S310S, 1999-) See Diagram A	1	1	**214.81**
11a	SX244MA1S	Filter Internals Retrofit Kit (S244S before 07/24			**185.05**
11b	SX310MA2S	Filter Internals Retrofit Kit (S310S before 07/24)			**186.79**
12	SX200Z2	Air Tube Lock Screw	10	1	**Discont'd**
13a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**11.52**
—	SX200H	Bottom Drain Screen (2005 and Prior)	40	1	**11.64**
13b	SX180LA	Drain Cap Kit (See Diagram)	25	1	**14.24**
14a	SX200J	Filter Support Stand (S210S, S244S)	1	1	**192.78**
14b	SX310J	Filter Support Stand (S310S)	1	1	**295.71**
15a	SP0710X62	Vari-Flo Valve Assembly – 1 1/2" FIP	1	1	**320.56**
15b	SP0715X62	Vari-Flo Valve Assembly – 2" FIP	1	1	**480.75**
16	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**13.31**
17	ECX270861	Pressure Gauge	50	1	**46.67**
18a	SX360Z1	O-Ring	25	4	**16.96**
18b	SX244Z1	Square Seal	25	2	**30.24**
19	SX360E	O-Ring Spacer (after 1995)	10	2	**23.47**
20	SX244PX	Bulkhead Fitting with Seal	10	2	**85.18**
S200PAK 3 System Base					
21	SX200Z1	Plastic Air Tube (S310S)	1	1	**$32.39**
22	ECX1291	Standard Pump/Filter Mounting Base	1	1	**Discont'd**
23	SPX1480A	Union Ball End	10	1	**22.53**
24	SPX1480C	Union Nut	10	1	**22.13**
25	SPX1425Z6	O-Ring	25	1	**5.40**
26	SPX1485B3	Union Elbow with Compression Assembly	10	1	**107.20**
27	SPX1485G	Compression Gasket	1	1	**8.63**
28	ECX1161Z2	Mounting Screw Set with Washers	10	2	**15.72**
29	SPX1485DA	Compression Fitting with Gasket	25	1	**49.14**
Optional					
30	ECX270861	Pressure Gauge	50	1	**$46.67**
31	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1	**65.10**

S240

Parts Diagram



S240PAK 1



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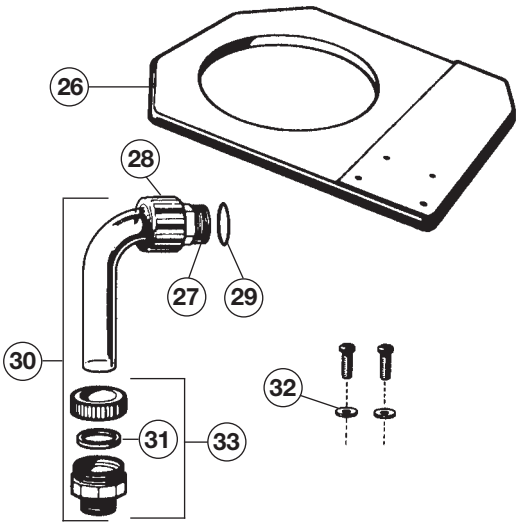


Folding Lateral Assembly

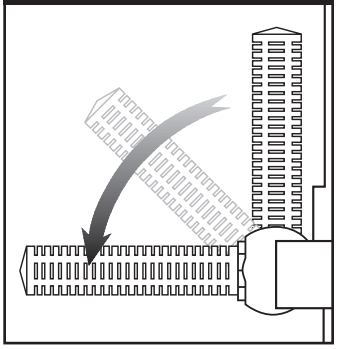


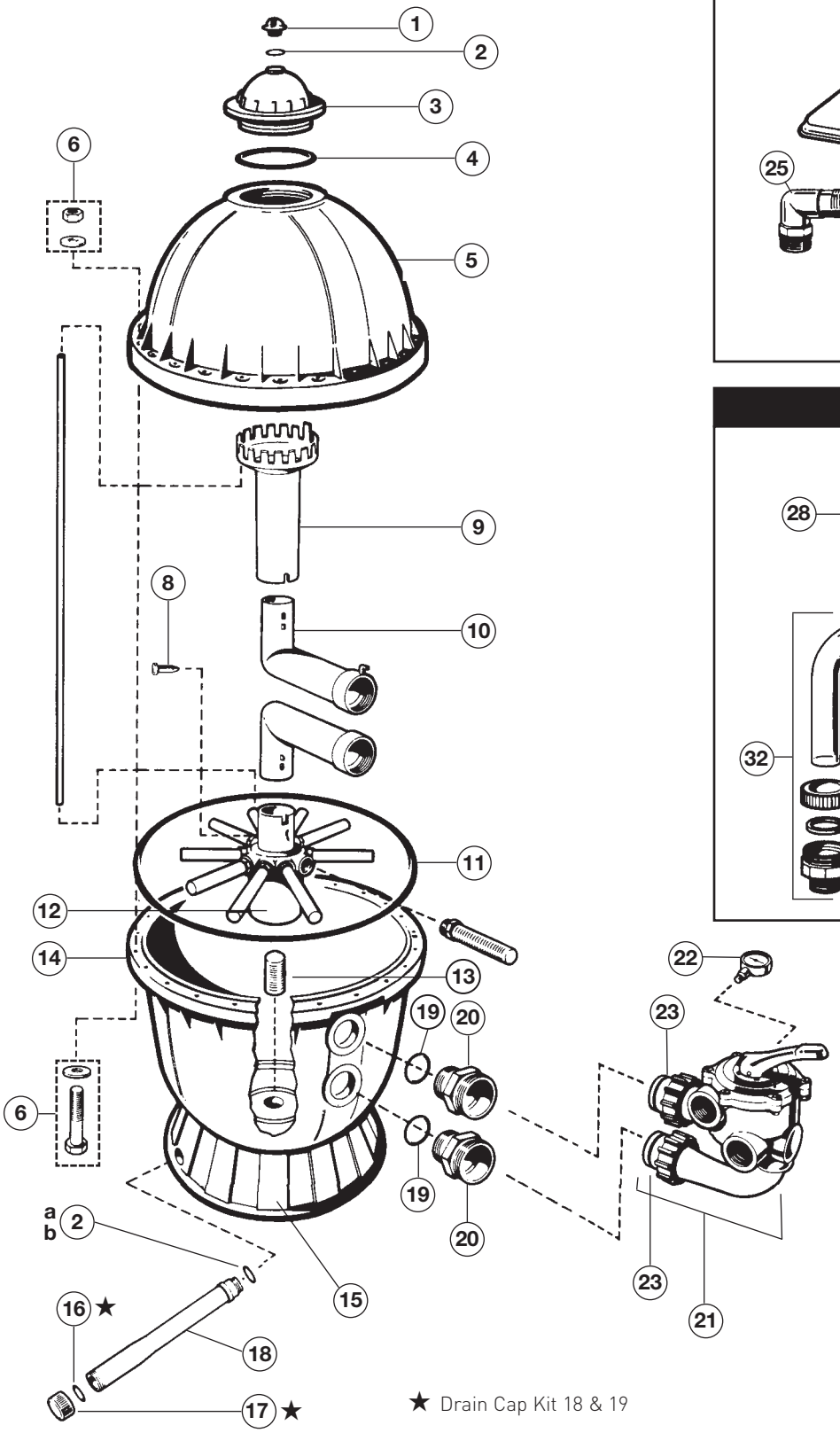
Diagram A

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$14.44**
2	SX200Z5	O-Ring	50	1	**4.73**
3	SX200K	Access Cover	5	1	**108.48**
4	SX200Z6	O-Ring	50	1	**31.57**
5	ECX1645	Hex Nut with Washer	1	30	**4.44**
6	ECX1077	Flat Washer	50	60	**Discont'd**
7	SX240Z2	Air Tube	1	1	**Discont'd**
8	SX200Z2	Air Tube Lock Screw	10	1	**Discont'd**
9	SX200L	Top Diffuser	5	1	**79.34**
10	SX240Z1	O-Ring	20	1	**113.18**
11	SX242DA	Folding Lateral Assembly (See Diagram A)	1	1	**247.54**
12	SX200H	Bottom Screen	40	1	**11.64**
13	SX200J	Filter Support Stand	1	1	**192.78**
14	SX200Z9	Gasket	25	1	**3.23**
15	SX200Z8A	Drain Cap Kit (Includes Cap and Gasket)	50	1	**10.05**
16	SX200EB	Drain Pipe Assembly (Includes Pipe, O-Ring, Cap and Gasket)	50	1	**47.85**
17	SX200Z3	O-Ring	50	2	**9.46**
18	SX200D	Bulkhead Fitting	5	2	**48.62**
19a	SPX0710X32	Vari-Flo Control Valve Assembly – 1 ½"	1	1	**472.32**
19b	SPX0715X32	Vari-Flo Control Valve Assembly – 2"	1	1	**683.76**
20	ECX270861	Pressure Gauge	50	1	**46.67**
21	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**13.31**
—	S200KT	Dome Wrench	10	—	**32.00**
S240PAK 1					
22	SPX1105Z4	1 ½" Elbow Hose Adapter	50	1	**$12.46**
23	SPX1091Z2PAK2	1 ½" Straight Hose Adapter *(Set of 2)*	10	1	**16.44**
24	ECX18028	Hose Clamp	25	2	**8.49**
25	ECX1161Z2	Mounting Screw Set with Washers	10	2	**15.72**
S240PAK 2, 3 and System II					
26	ECX1291	Standard Pump/Filter Mounting Base	1	1	**Discont'd**
27	SPX1480A	Union Ball End	10	1	**$22.53**
28	SPX1480C	Union Nut	10	1	**22.13**
29	SPX1425Z6	O-Ring	25	1	**5.40**
30	SPX1485B6	Union Elbow with Compression Assembly (does not include #36, 37)	20	1	**133.37**
31	SPX1485G	Compression Gasket	1	1	**8.63**
—	SPX1485C	Gasket – Old Style Elbow (1986 and Prior)	25	1	**8.34**
32	ECX1109	5/16" Washer	10	2	**3.96**
33	SPX1485DA	Compression Fitting with Gasket	25	1	**49.14**

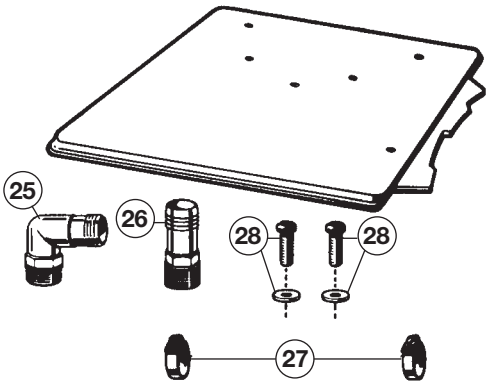
S200

Parts Diagram

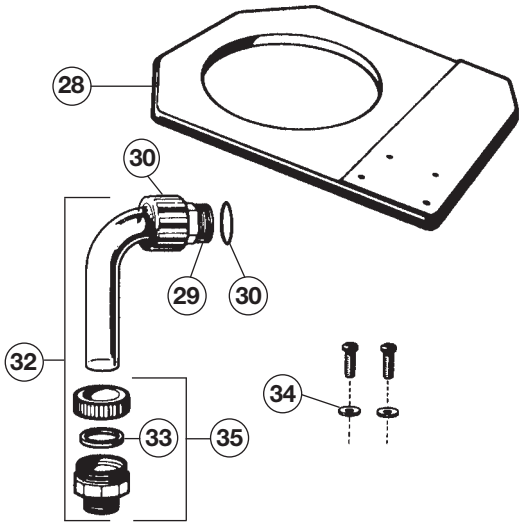


★ Drain Cap Kit 18 & 19

S200PAK 1



S200PAK 3 and System II



Folding Lateral Assembly

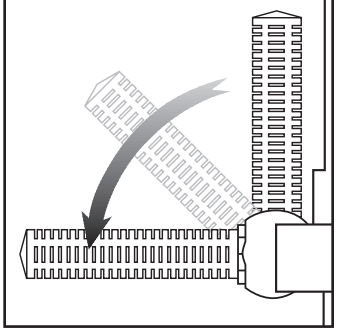
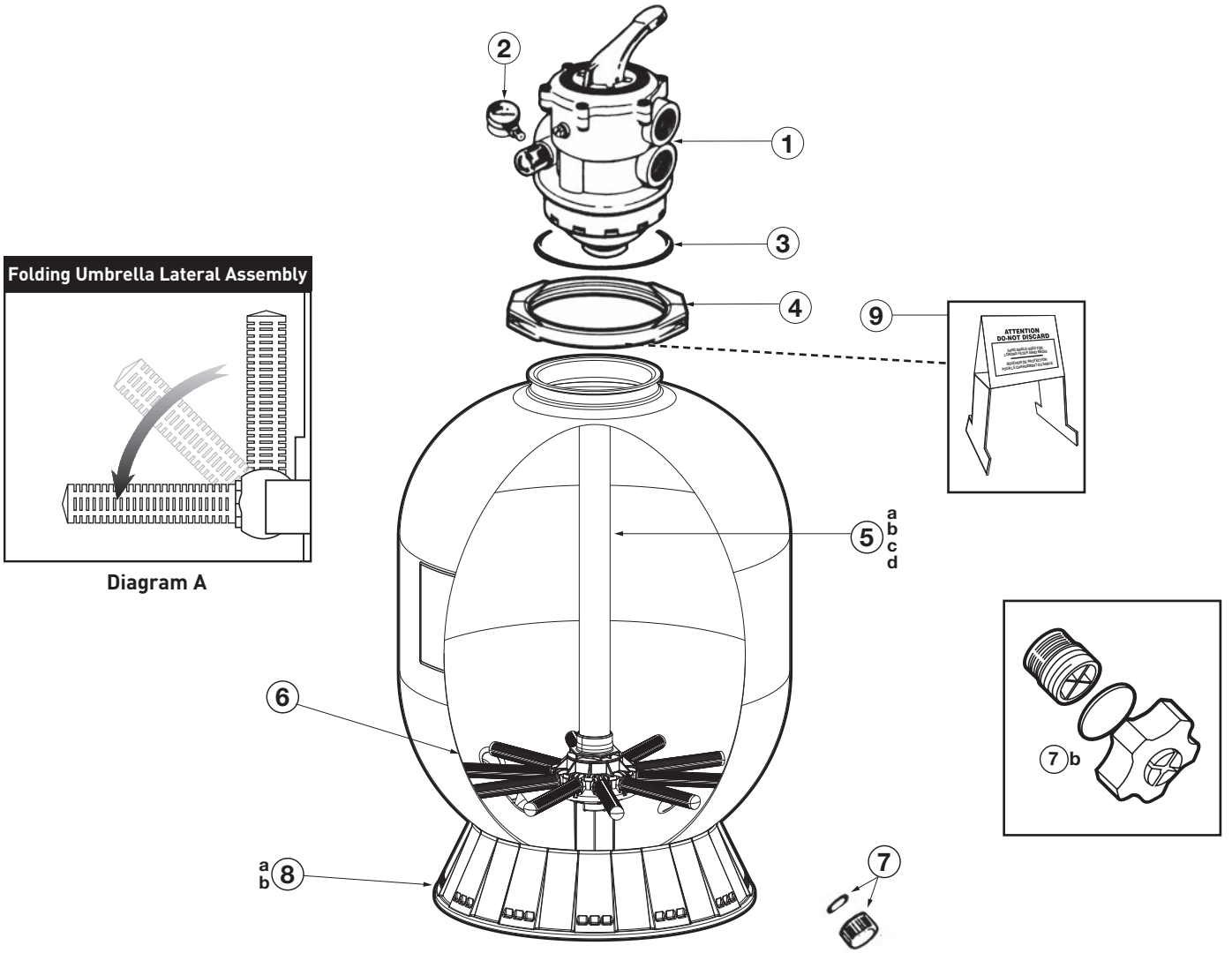


Diagram A

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$14.44**
2	SX200Z5	O-Ring	50	1	**4.73**
3	SX200K	Access Cover	5	1	**108.48**
4	SX200Z6	O-Ring	50	1	**31.57**
5	SX200BT	Filter Head (Taupe)	1	1	**Discont'd**
6	ECX1642A	Head Bolt Kit (Includes Hex Nut, Head Bolt and Washer)	20	1	**12.40**
7	SX200Z1	Plastic Air Tube	1	1	**32.39**
8	SX200Z2	Air Tube Lock Screw	10	1	**Discont'd**
9	SX200L	Top Diffuser	5	1	**79.34**
10	SX200C	Internal Diffuser Elbow Pipe (Top)	5	1	**Discont'd**
11	SX200Z7	O-Ring	10	1	**77.30**
12	SX202QA	Folding Lateral Assembly (See Diagram A)	1	1	**208.10**
13	SX200H	Bottom Screen	40	1	**11.64**
14	SX200AA1T	Filter Tank Bottom with Drain Assembly (Taupe)	1	1	**1,302.61**
15	SX200J	Filter Support Stand	1	1	**192.78**
16	SX200Z9	Gasket	25	1	**3.23**
17	SX200Z8A	Drain Cap Kit (Includes Cap and Gasket)	50	1	**10.05**
18	SX200EB	Drain Pipe Assembly (Includes Pipe, O-Ring, Cap and Gasket)	50	1	**47.85**
19	SX200Z3	O-Ring	50	2	**9.46**
20	SX200D	Bulkhead Fitting	5	2	**48.62**
21	SPX0710X32	Vari-Flo Control Valve Assembly – 1 ½"	1	1	**472.32**
22	ECX270861	Pressure Gauge	50	1	**46.67**
23	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**13.31**
—	S200KT	Dome Wrench	10	—	**32.00**
S200PAK 1					
24	SPX1105Z4	1 ½" Elbow Hose Adapter	50	1	**$12.46**
25	SPX1091Z2PAK2	1 ½" Straight Hose Adapter *(Set of 2)*	10	1	**16.44**
26	ECX18028	Hose Clamp	25	2	**8.49**
27	ECX1161Z2	Mounting Screw Set with Washers	10	2	**15.72**
S200PAK 2, 3 and System II					
28	ECX1291	Standard Pump/Filter Mounting Base	1	1	**Discont'd**
29	SPX1480A	Union Ball End	10	1	**$22.53**
30	SPX1480C	Union Nut	10	1	**22.13**
31	SPX1425Z6	O-Ring	25	1	**5.40**
32	SPX1485B3	Union Elbow with Compression Assembly (does not include #34, 35)	10	1	**107.20**
33	SPX1485G	Compression Gasket	1	1	**8.63**
34	ECX1109	5/16" Washer	10	2	**3.96**
35	SPX1485DA	Compression Fitting Assembly with Gasket	25	1	**49.14**

Parts Diagram and Parts Listing



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SP071621	Vari-Flo Control Valve – 2"	1	1	**$376.54**
2	ECX271261	Pressure Gauge Back Mount	20	1	**46.92**
3	GMX600F	Tank O-Ring	100	1	**32.25**
4	GMX600NM	Flange Clamp	20	1	**90.81**
5a	SX270DA2X	Folding Lateral Assembly 27"	1	1	**233.70**
5b	SX270DA2XS	Folding Lateral Assembly 27 T2"	1	1	**215.40**
5c	SX310DA2S	Folding Lateral Assembly 31"	1	1	**271.16**
5d	SX360DAS	Folding Lateral Assembly 36"	1	1	**249.41**
6	SX310HAPAK10	S310T & S360T Threaded Lateral *(Set of 10)*	10	1	**Discont'd**
7a	SX180HG	Drain Cap (2005 and Prior)	25	1	**11.52**
7b	SX180LA	Drain Cap Kit (see Diagram)	25	1	**14.24**
—	SX200H	Bottom Drain Screen (2005 and Prior)	40	1	**11.64**
8a	SX200J	Filter Support Stand (S270T)	1	1	**192.78**
8b	SX310J	Filter Support Stand (S310T, S360T)	1	1	**295.71**
9	SX202S	Sand Shield	25	1	**11.16**

Parts Diagram and Parts Listing

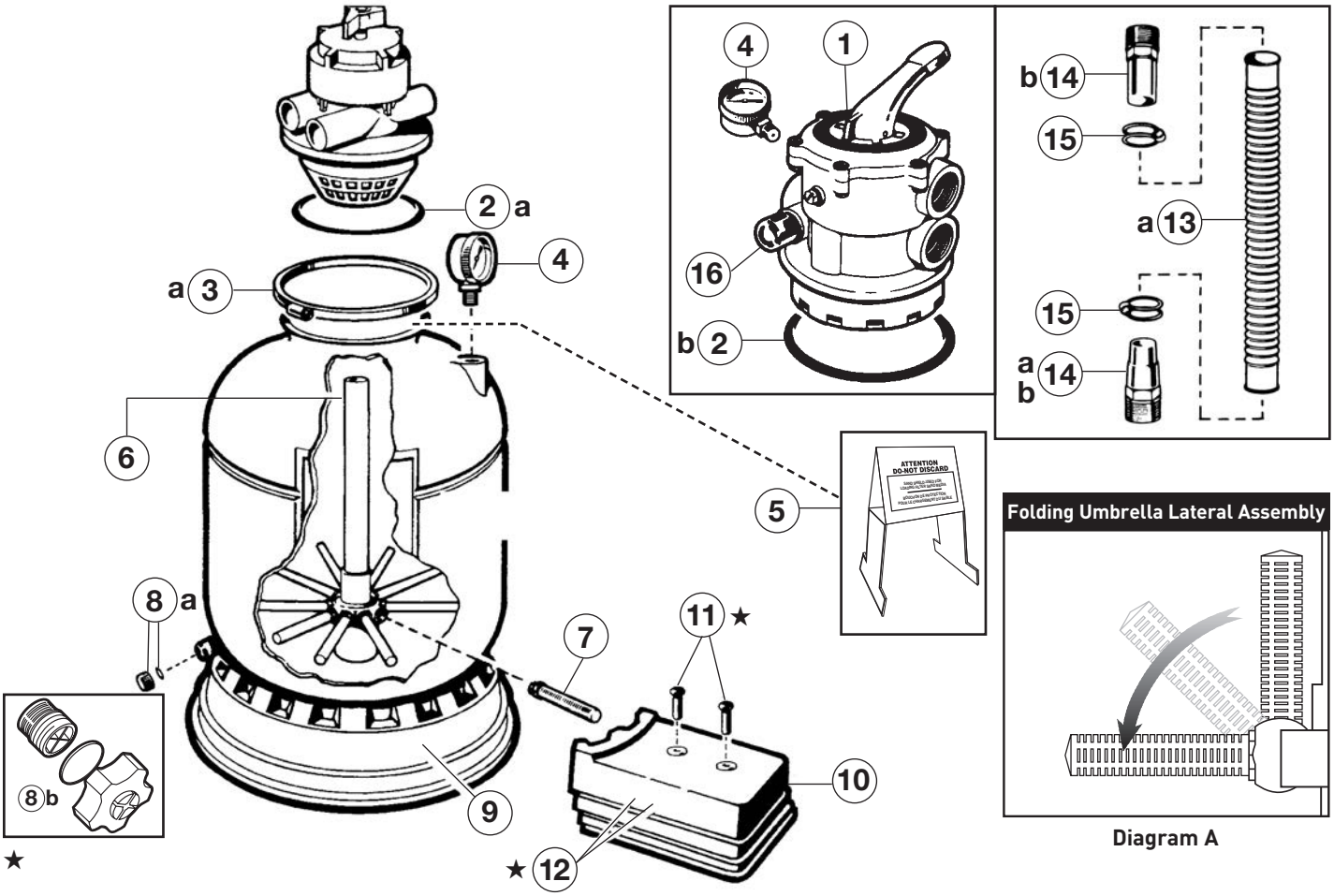
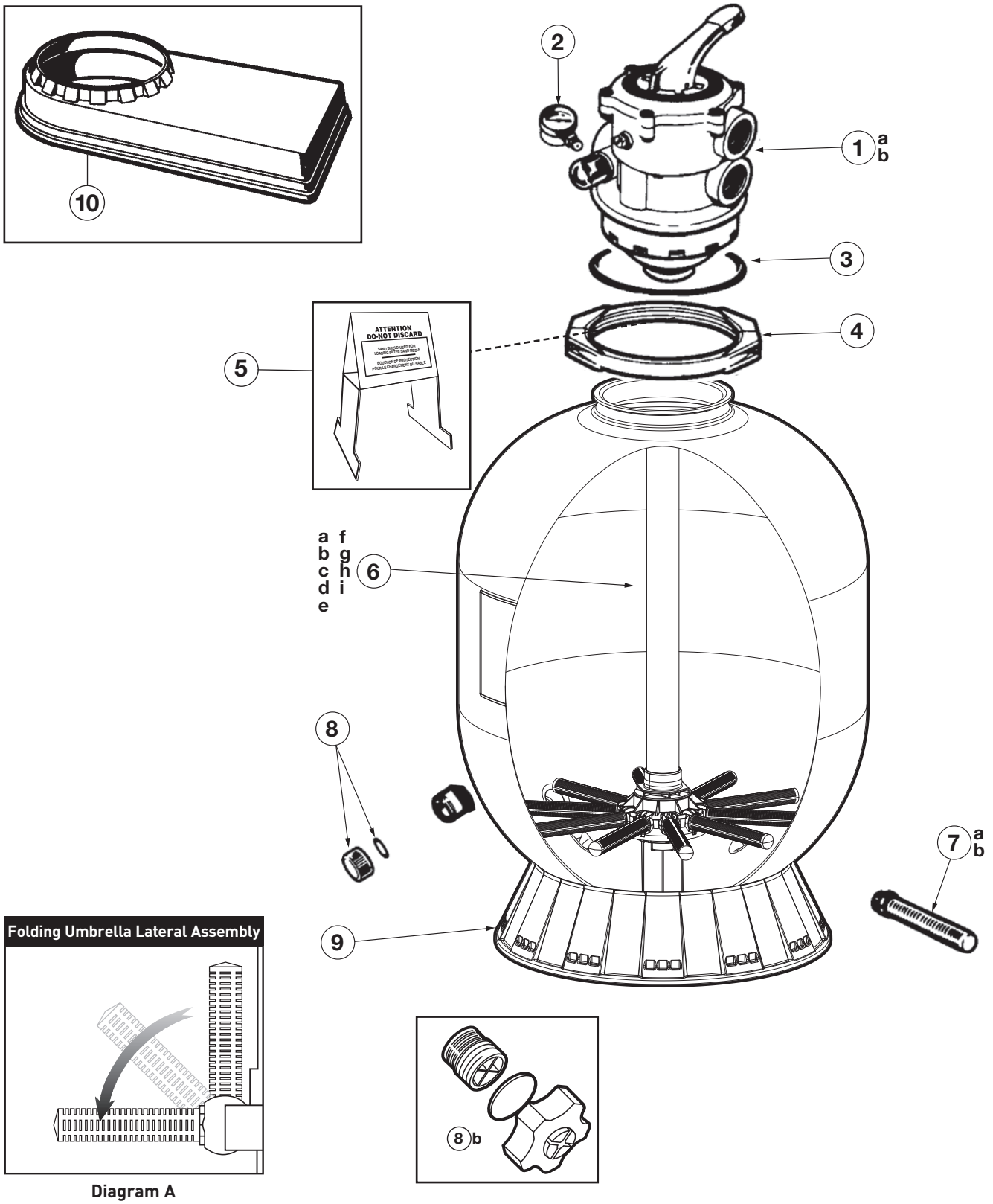


Diagram A

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SP0714T*	Vari-Flo Control Valve 7-position (S144T)	1	1	**$274.98**
2a	GMX400F	Valve/Tank O-Ring (S140T)	10	1	**34.04**
2b	GMX600F	Valve/Tank O-Ring (S144T)	100	1	**32.25**
3	GMX600NM	Flange Clamp – Valve – Tank (S144T)	20	1	**90.81**
4	ECX270861	Pressure Gauge	50	1	**46.67**
5	SX202S	Sand Shield – 2004 Corrugated Design	25	1	**11.16**
6	SX144DA	Folding Lateral Assembly with Center Pipe (S144T) (1997 and after)	1	1	**Discont'd**
7	SX200SNPAK10	Pivot/Ball Lateral *(Set of 10)*	10	1	**112.50**
8a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**11.52**
8b	SX180LA	Drain Cap Assembly, Gasket, Screen	25	1	**14.24**
—	SX200H	Bottom Drain Screen (2005 and prior)	40	1	**11.64**
9	SX164B	Filter Support Stand (Skirt)	1	1	**135.92**
10	SX164C	Pump Base	2	1	**72.97**
11	ECX1108A	5/16" x 3/4" Mounting Screw and 5/16" Washer (2) Kit	10	1	**9.46**
12	ECX1109	5/16" Washer	10	2	**3.96**
★	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit (Includes 12 & 13)	10	1	**9.46**
13	SX144Z1	1 ½" Hose – Ribbed (S144T)	5	1	**45.02**
14a	SPX1091Z7PAK2	1 ½"/1 ¼" Hose Adapter *(Set of 2)*	25	1	**5.87**
14b	SPX1091Z4	1 ½" Straight Hose Adapter (S144T)	25	2	**5.87**
15	SPX1091Z6	Hose Clamp	50	2	**4.64**
16	SPX0710MA	Sight Glass for SP0714T Valve	50	1	**15.77**

NOTE: *SP0714T Vari-Flo Control Valve used as replacement for GM600 Valve.

Parts Diagram



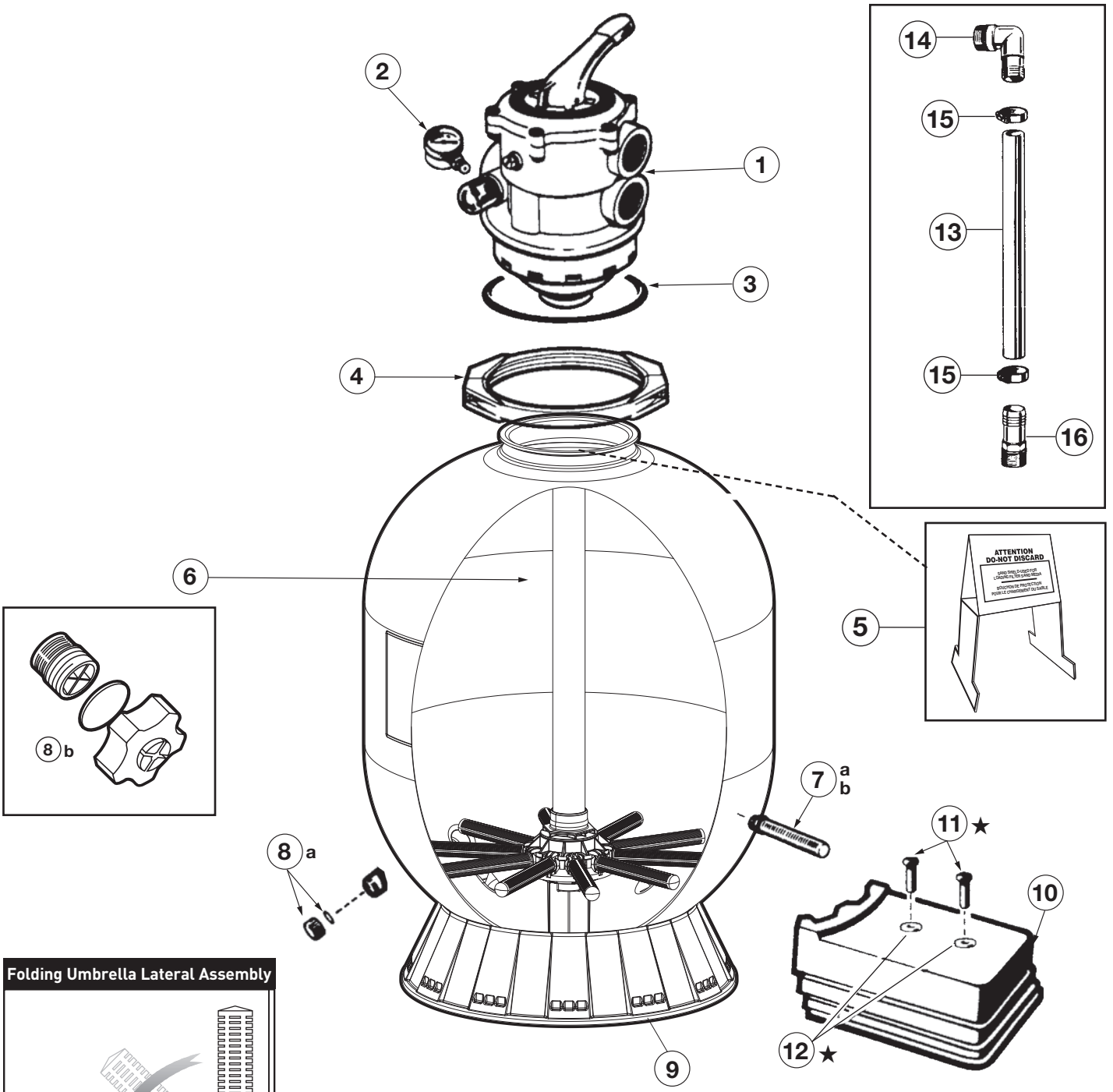
Folding Umbrella Lateral Assembly

Diagram A

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1a	SP0714T	Vari-Flo XL Control Valve – 1 ½"	1	1	**$274.98**
1b	SP071620T	Vari-Flo XL Control Valve – 2"	1	1	**442.70**
2	ECX270861	Pressure Gauge	50	1	**46.67**
3	GMX600F	Valve/Tank O-Ring	100	1	**32.25**
4	GMX600NM	Flange Clamp	20	1	**90.81**
5	SX202S	Sand Shield – 2004 Corrugated Design	25	1	**11.16**
6a	SX180DAS	Folding Lateral Assembly with Center Pipe (S180T) (1997-)	1	1	**185.13**
6b	SX210DAS	Folding Lateral Assembly with Center Pipe (S210T) (1997-)	1	1	**188.93**
6c	SX210DA2S	Lateral Assembly with Center Pipe (S210T2) (1997-)	1	1	**198.92**
6d	SX244DAS	Folding Lateral Assembly with Center Pipe (S220T) (1997-)	1	1	**213.34**
6e	SX220DA2S	Folding Lateral Assembly with Center Pipe (S220T2) (1997-)	1	1	**181.05**
6f	SX230DA	Folding Lateral Assembly with Center Pipe (S230T) (2003-)	1	1	**Discont'd**
6g	SX244DAS	Folding Lateral Assembly with Center Pipe (S244T) (1997-)	1	1	**213.34**
6h	SX244DA2XS	Lateral Assembly with Center Pipe (S244T2) (1997-)	1	1	**223.33**
6i	SX270DA2S	Folding Lateral Assembly with Center Pipe (S270T2) (1997-)	1	1	**205.41**
7a	SX200QPAK10	S180T Threaded Lateral *(Set of 10)*	10	1	**104.12**
7b	SX240DPAK10	S210T, S220T, S230T, S244T Threaded Lateral *(Set of 10)*	10	1	**109.16**
8a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**11.52**
8b	SX180LA	Drain Cap Assembly – Cap, Gasket, Screen	25	1	**14.24**
—	SX200H	Bottom Drain Screen (2005 and Prior)	40	1	**11.64**
9	SX200J	Filter Support Stand (Skirt)	1	1	**192.78**
10	SX180K	System Base – S180T Systems	1	1	**229.56**

Parts Diagram



★ Mounting Screw Kit (#12 & 13)

Folding Umbrella Lateral Assembly

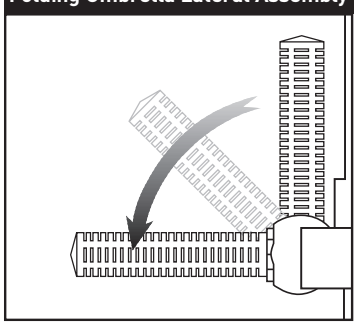


Diagram A

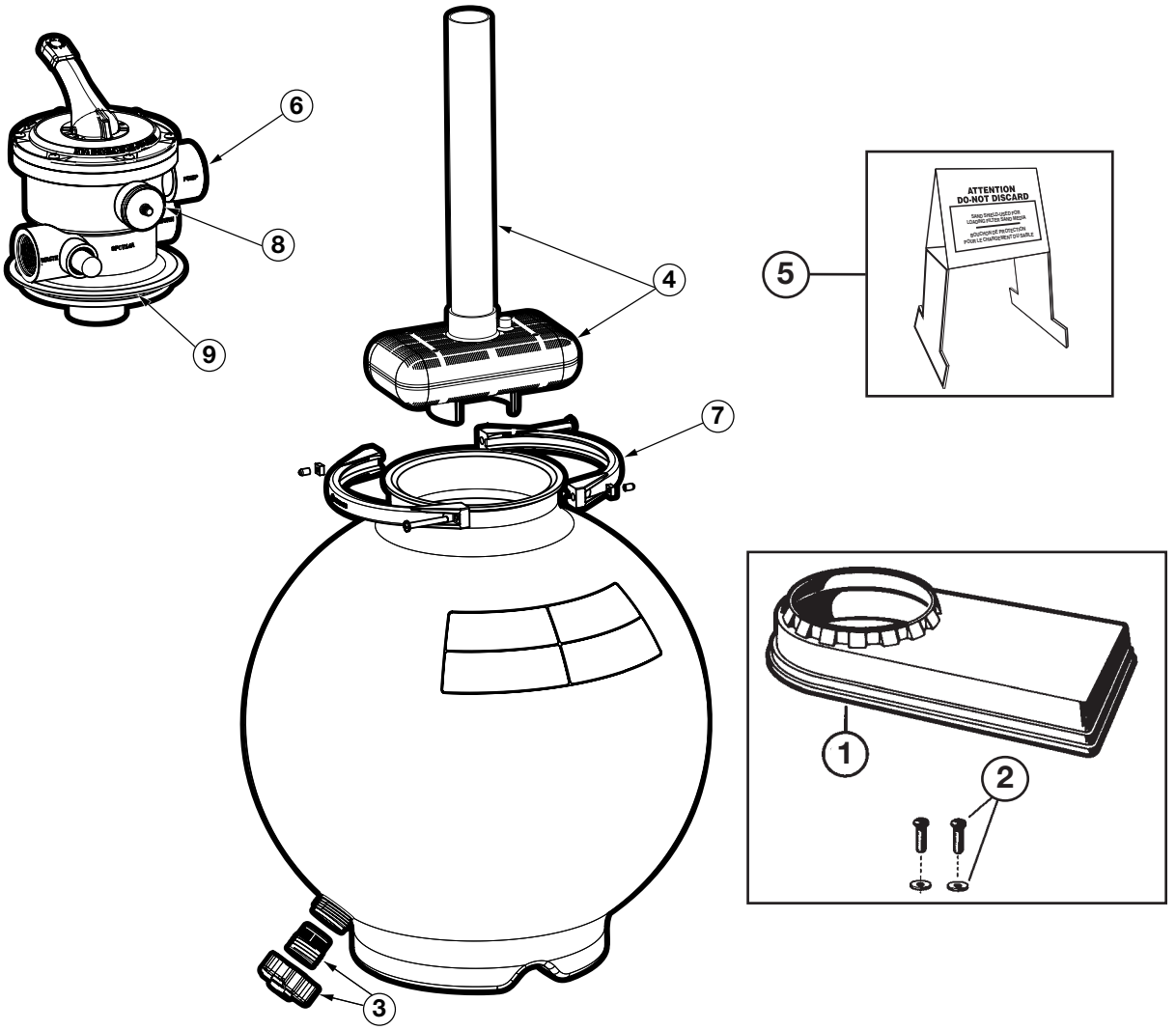
Parts Listing

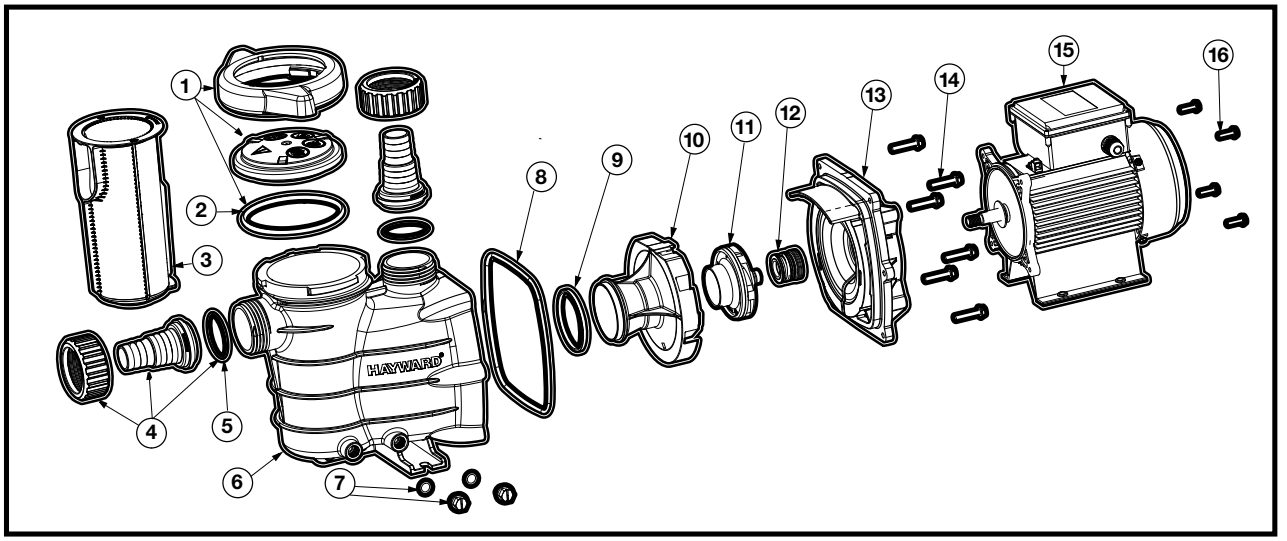
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SP0714T*	Vari-Flo XL Control Valve – 7 position	1	1	**$274.98**
2	ECX270861	Pressure Gauge	50	1	**46.67**
3	GMX600F	Valve/Tank O-Ring	100	1	**32.25**
4	GMX600NM	Flange Clamp (Valve-Tank)	20	1	**90.81**
5	SX202S	Sand Shield	25	1	**11.16**
6	SX164DAS	Folding Lateral Assembly with Center Pipe (1997-)	1	1	**179.10**
7a	SX200QPAK10	Threaded Lateral *(Set of 10)*	10	1	**Discont'd**
7b	SX200QNRPAK10	Pivot/Ball Lateral *(Set of 10)*	10	1	**90.17**
8a	SX180HG	Drain Cap Kit – Cap and Gasket (2005 and Prior)	25	1	**11.52**
—	SX200H	Bottom Drain Screen (2005 and Prior)	40	1	**11.64**
8b	SX180LA	Drain Cap Assembly – Cap, Gasket, Screen	25	1	**14.24**
9	SX164B	Filter Support Stand (Skirt)	1	1	**135.92**
10	SX164C	Pump Base	2	1	**72.97**
—	SX180K	System Base (S166T Series 1999-)	1	1	**229.56**
11	ECX1108A	5/16" x 3/4" Mounting Screw and 5/16" Washer (2) Kit	10	1	**9.46**
12	ECX1109	5/16" Washer	10	2	**3.96**
★	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit (Includes #12 & 13)	10	1	**9.46**
13	SX160Z4	26" Long Hose	1	1	**101.20**
14	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	1	**12.46**
15	ECX18028	Hose Clamp	25	2	**8.49**
16	SPX1091Z2PAK2	1 1/2" Straight Hose Adapter *(Set of 2)*	10	1	**16.44**

NOTE: *SP0714T Vari-Flo Control Valve used as replacement for SP0704 Valve.

VL210 Series

Parts Diagram



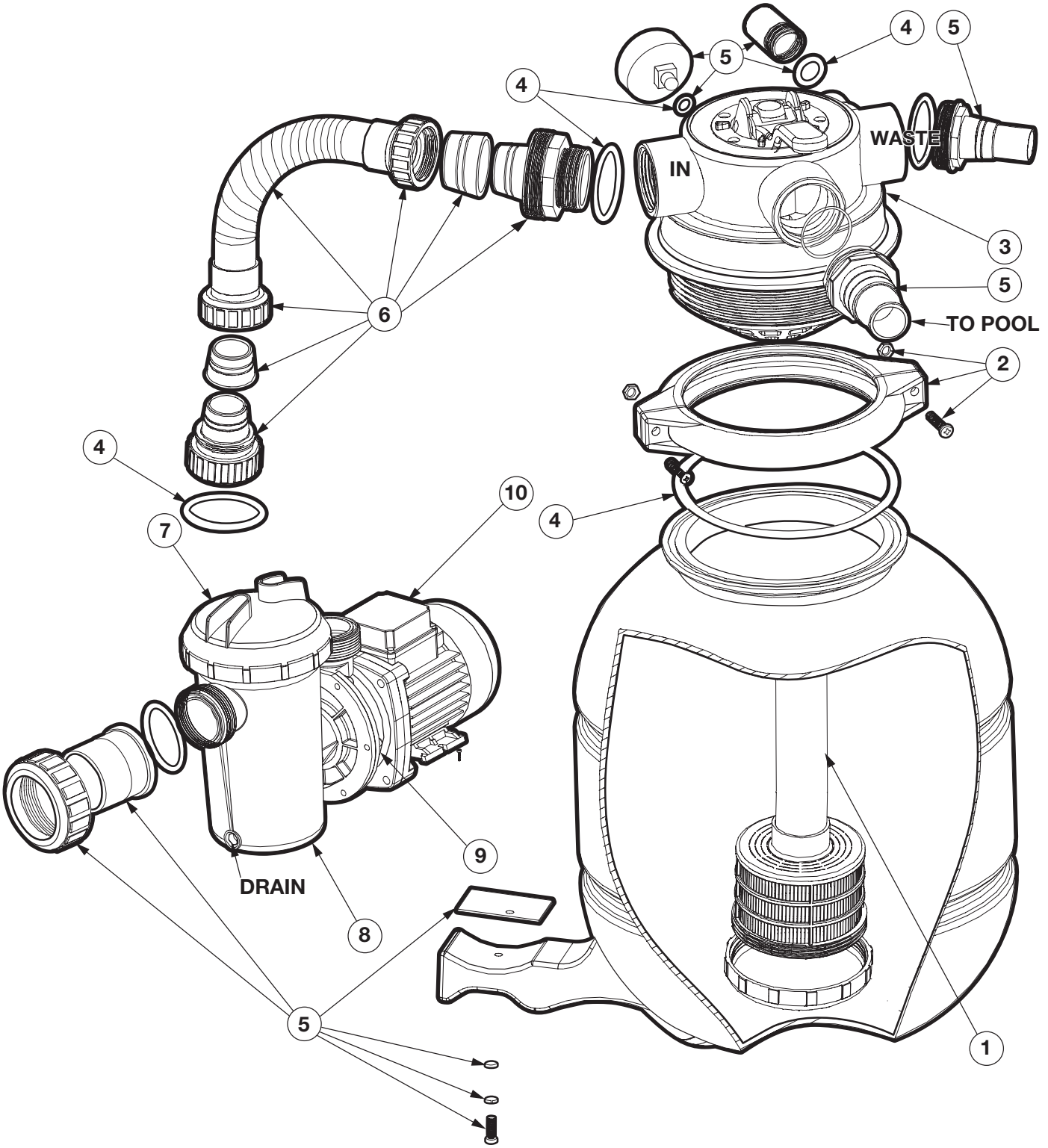


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
Filter				
1	SX180K	System Base	1	**$229.56**
2	ECX1108A	Pump Mounting Screw Kit	10	**9.46**
3	SX180LA	Drain Cap and Gasket	25	**14.24**
4	VLX210DA	Underdrain Assembly – VL210T1285S	1	**Discont'd**
5	SX202S	Sand Shield	25	**11.16**
6	SP0714T	MultiPort Valve	1	**274.98**
7	GMX600NM	Clamp Assembly	20	**90.81**
8	ECX271261	Pressure Gauge	20	**46.92**
9	GMX600F	Valve O-Ring	100	**32.25**
Pump				
1	SPX8100LDS	Strainer Cover Assembly	20	**$81.69**
2	SPX8100S	Strainer Cover O-Ring	120	**16.23**
3	SPX8100M	Strainer Basket	10	**25.16**
4	SPX8100UNBPAK	Male Adapter Kit	20	**30.13**
5	SPX8100UNO	Male Adapter O-Ring	100	**7.39**
6	SPX8100AA	Pump Housing	4	**144.74**
7	SPX1700FG	Drain Plug Assembly	50	**9.34**
8	GMX600F	Seal Plate O-Ring	100	**32.25**
9	SPX8100R	Diffuser Gasket	100	**7.53**
10	SPX8100B	Diffuser	12	**30.71**
11	VLX1280TB	Impeller	150	**Discont'd**
12	SPX1600Z2	Shaft Seal Assembly	10	**45.14**
13	SPX8100E	Seal Plate	20	**58.97**
14	6060XZ1	Housing Screw Kit	1	**21.02**
15	VLX1285Z1C	Motor	1	**Discont'd**
16	SPX8100Z1	Motor Mounting Screw	50	**9.00**
—	VLX1280WAT	6' Cord Set	40	**53.61**
—	EPX1280WA1	3' Cord Set Twist Lock	33	**Discont'd**

VL Series

Parts Diagram

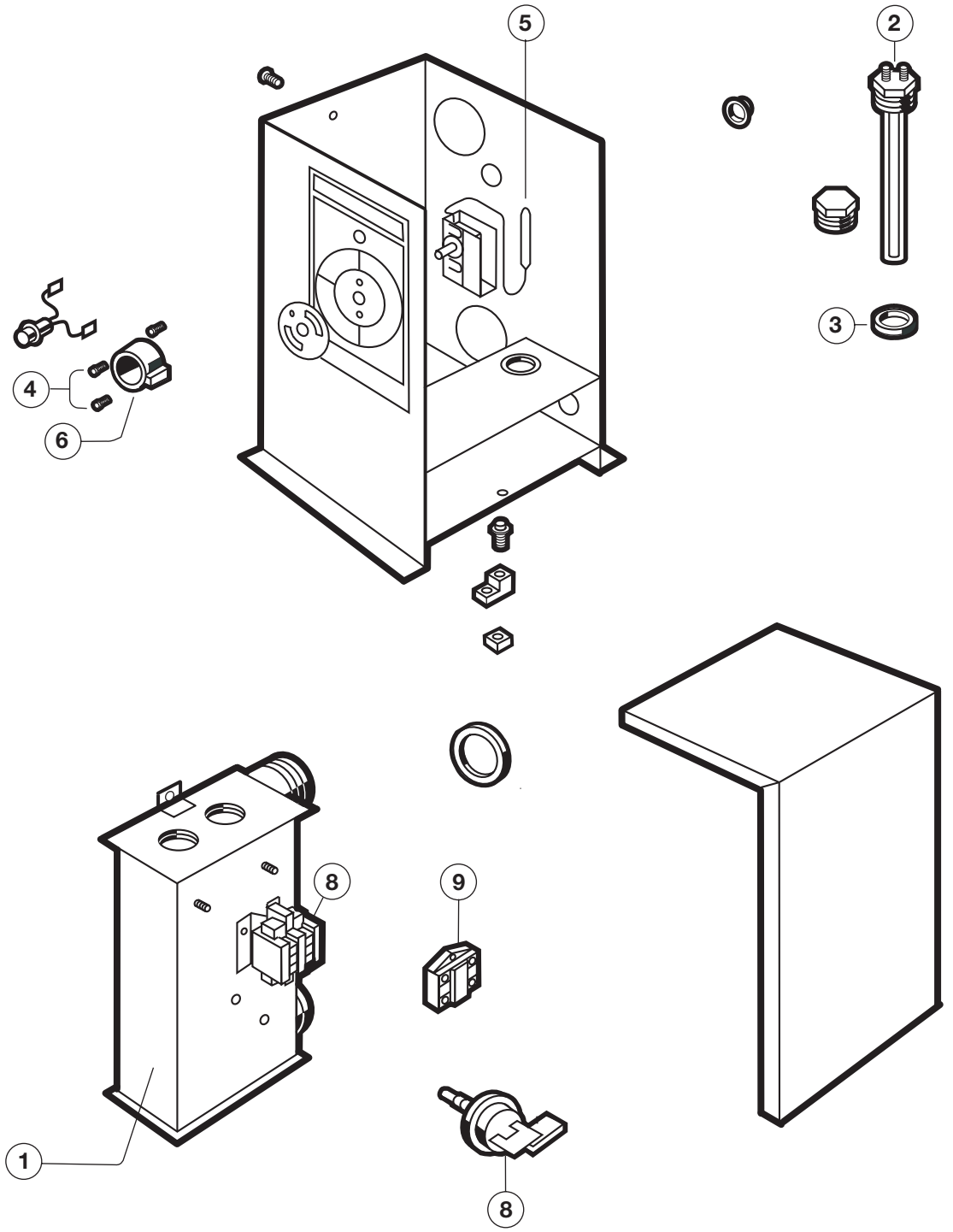


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	VLX4001A	Stand Pipe and Underdrain Assembly	8	1	**$42.47**
2	VLX4002A	Clamp and Clamp Hardware	10	1	**47.66**
3	VLX4003A	Multi-Port Valve	1	1	**293.39**
4	VLX4004A	O-Ring Kit: All O-Rings on Strainer and Filter	10	1	**35.37**
5	VLX4005A	Accessory Kit: All Hose Adapters for Pump and Valve, Pressure Gauge, Sight Glass and Drain Plug with O-Ring	10	1	**101.46**
6	VLX4006A	Pump to Filter Hose including Adapters	10	1	**63.60**
7	VLX4007A	Strainer Lid, Basket with Handle and Strainer O-Ring	8	1	**62.55**
8	VLX4007K	Strainer Housing Kit: Strainer Housing with Drain Plug, O-Ring and Pump Interlocking Nut	1	1	**103.98**
9	VLX4008	Pump Shaft Seal and Pump Body O-Ring	10	1	**58.53**
10	VLX4009	Pump without Strainer	1	1	**866.37**

C-Spa XI Models 5.5 – 11

Parts Diagram

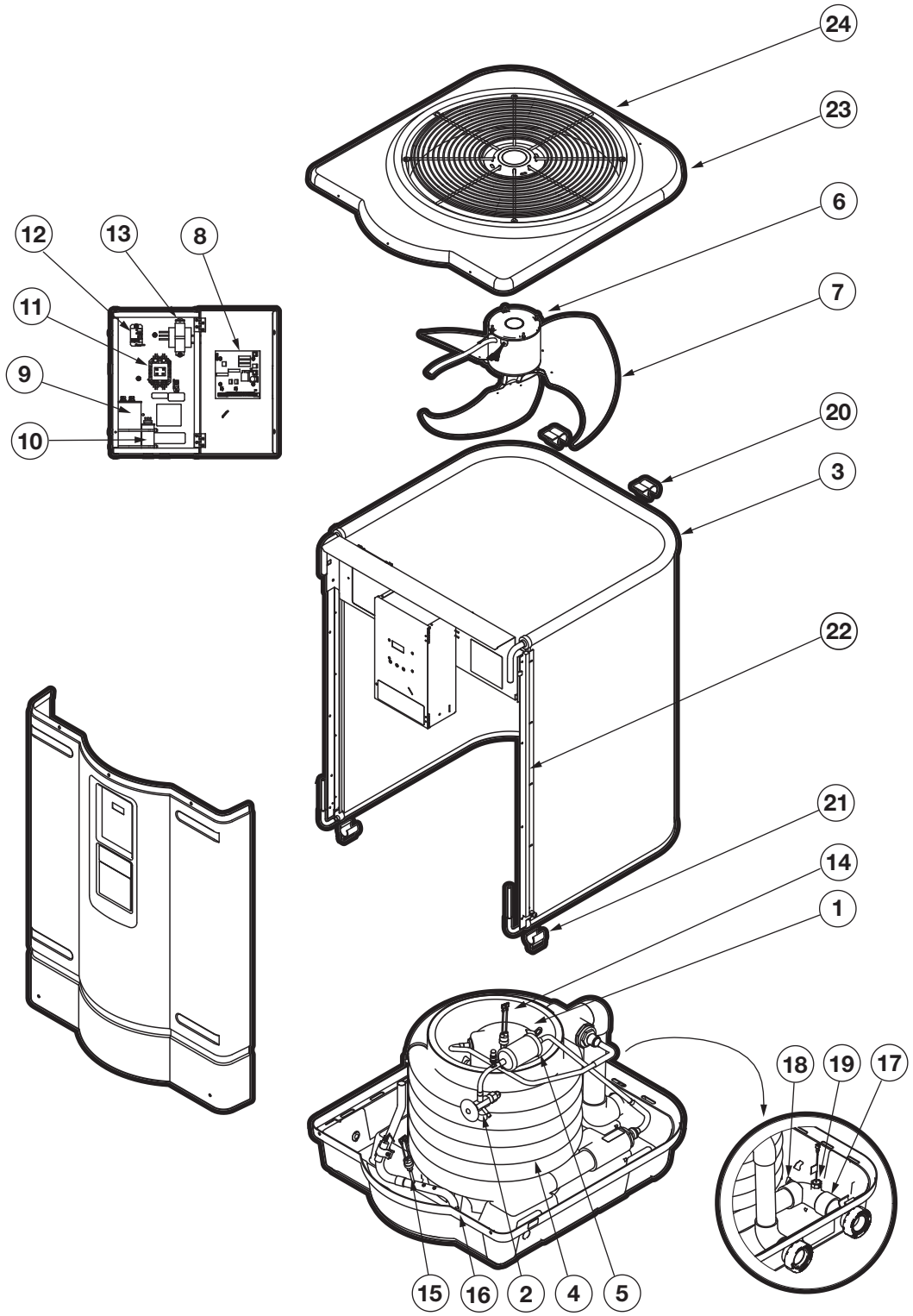


Parts Listing

Ref. No.	Part No.	Description
1	CZXTNK6607	Tank
2	CZXELE7623	Element – 5500 watts 240 volts
3	CZXGKT7627	Element Gasket
4	CZXSCR3003	Thermostat Screw
5	CZXTST3006	Thermostat
6	CZXTSK2003	Thermostat Knob
7	CZXPRS1105	Pressure Switch
8	CZXCON3645	Contactor
9	CZXHLC3105	High Limit

HeatPro® MCHX Series

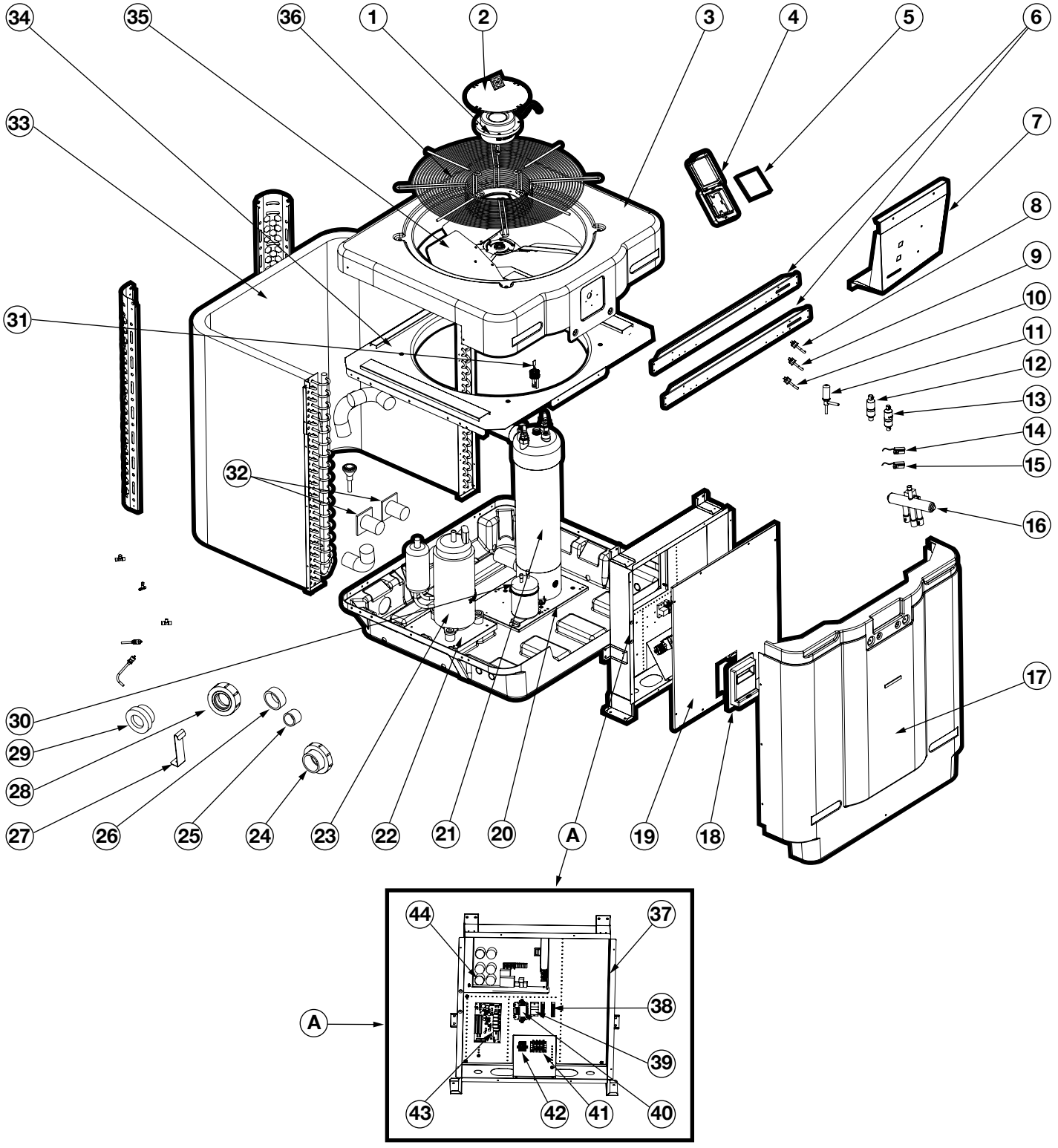
Parts Diagram: HP21405T, HP21205T, HP21105T, HP31405T, HP31205T, HP31105T, HCB1405T, HCB1205T, HCB1105T, W3HP21405T, W3HP21105T



Parts Diagram: HP21405T, HP21205T, HP21105T, HP31405T, HP31205T, HP31105T, HCB1405T, HCB1205T, HCB1105T, W3HP21405T, W3HP21105T

Ref. No.	Description	Part No. 110k	120k	140k	110k H/C	120k H/C	140k H/C
1	Compressor	HPX51100101701	HPX51100101701	SMX11012755	HPX51100101701	HPX51100101701	SMX11012755
2	Thermal Expansion Valve (TXV)			HPX51700029001			
3	Evaporator	HPX52400099501	HPX52400099401	HPX52400099401	HPX52400099501	HPX52400099401	HPX52400099401
4	Heat-Exchanger			HPX52400120301			
5	Filter Drier		HPX1462			SMX15022309	
6	Fan Motor			SMX300055036			
7	Fan Blade	SMX303140003	HPX51700116101	HPX51700116101	SMX303140003	HPX51700116101	HPX51700116101
8	Control Board		HPX51100122201			HPX51100122301	
9	Capacitor, Compressor 80mfd/440v			SMX11022320			
10	Capacitor, Fan 7.5mfd/370v			HPX11024151			
11	Contactor			HPX1985			
12	Fan Relay			HPX51100010301			
13	Transformer			HPX51100009901			
14	HP Switch 590 PSI			HPX11024258			
15	LP Switch 50 PSI			HPX51100118601			
16	Defrost Sensor, 4.7k			SMX306000023			
17	Instrument Elbow Assembly			HPX52500098401			
18	Water Temperature Sensor, 4.7k			HPX51100053701			
19	Water Flow Switch			HPXG1068005E4			
20	Bracket, Top *(Qty 2)*	HPX50100099701	HPX50100099801	HPX50100099801	HPX50100099701	HPX50100099801	HPX50100099801
21	Bracket, Bottom *(Qty 4)*			HPX50100099901			
22	Gasket-35 in, Neoprene *(Qty 2)*			HPX50500107201			
23	Panel-Top Kit, Black			SMX30904754			
24	Fan Guard			SMX0101711001			
NOT SHOWN							
	Water Pressure Switch			HPX2181			
	Reversing Valve		NOT USED			HPX51700122401	
	Compensator		NOT USED			HPX51700098901	
	Plug, Compressor			SMX10022329			
	Evaporator Guard			HPX50100107101			
	Fastener, Tree, 1/4 *(Qty 25)*			HPX50101032301			
	Fastener, U-Type *(Qty 25)*			HPX50100122501			
	Consumer Kit			HPX51400122701			

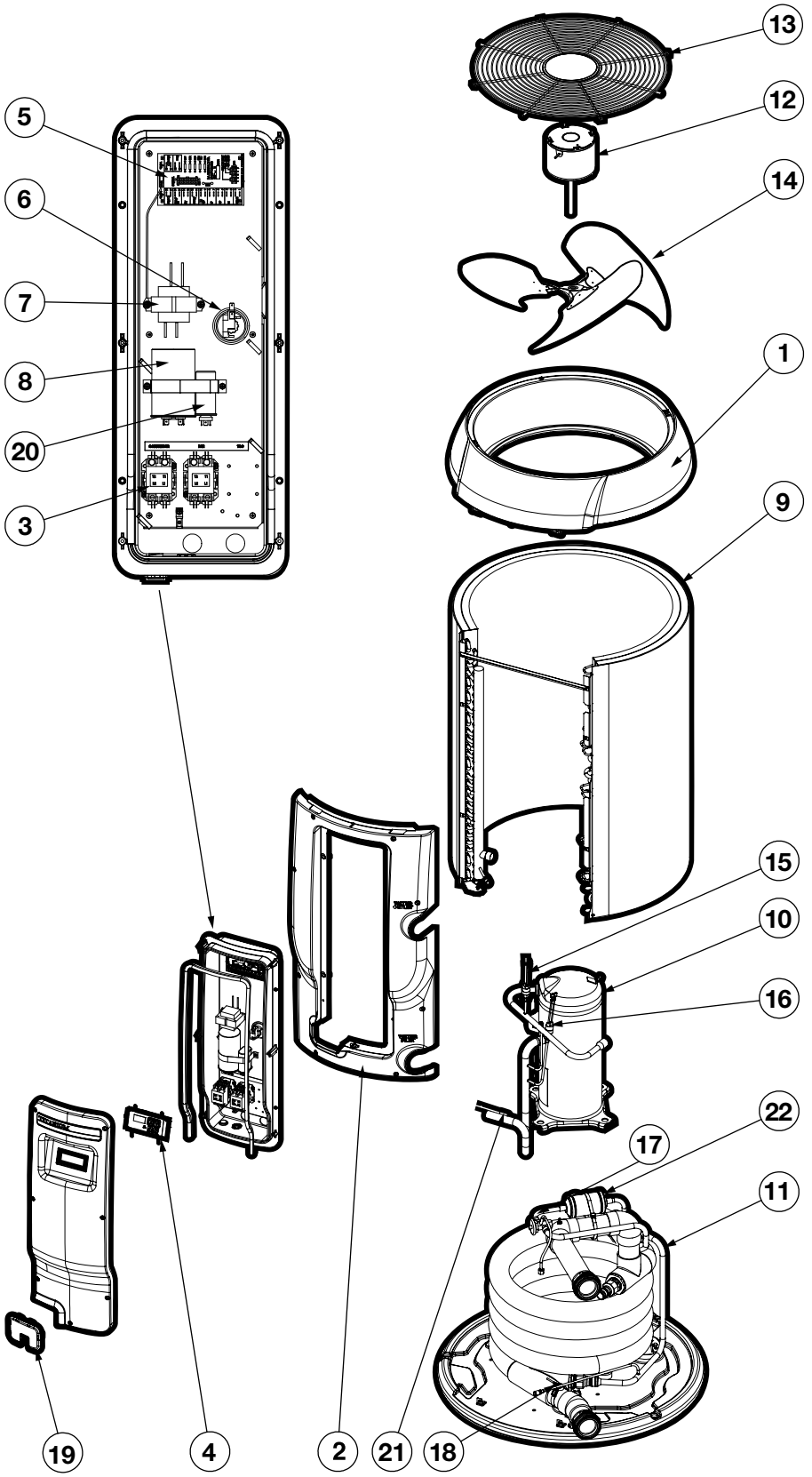
Parts Diagram: HP51202T, HP50952T



Parts Listing: HP51202T, HP50952T

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HPX20000330402	Axial Flow Fan Motor	1	**$920.62**
2	HPX20000220320	Cover Plate	1	**19.84**
3	HPX80900744	The Top	1	**498.20**
4	HPX80900320	Rain Guard	1	**173.12**
5	HPX82300038	CP203	1	**1,110.65**
6	HPX80705635	The Beam	1	**82.85**
7	HPX32004210137	The Fan Guard	1	**Discont'd**
8	HPX51700085001	Secondary High Pressure Switch	1	**41.24**
9	HPX51700085201	High Pressure Switch	1	**41.24**
10	HPX51700085401	Low Pressure Switch	1	**42.16**
11	HPX20000140401	Electronic Expansion Valve	1	**297.01**
12	HPX20000140027	The Filter	1	**24.70**
13	HPX20041444	The Filter	40	**24.70**
14	HPX51700085901	Thermistor, 5K	1	**23.93**
15	HPX51700086001	Thermistor, 50K	1	**23.93**
16	HPX20011491	4-Way Valve, HP50952T	1	**257.42**
	HPX81000137	4-Way Valve, HP51202T	1	**264.04**
17	HPX80900745	The Front Panel	1	**371.19**
18	HPX20000220247	The Junction Box Body	1	**54.46**
19	HPX80705636	Electrical Plate	1	**236.37**
20	HPX32004210135	Titanium Pipe Support, HP50952T	1	**Discont'd**
	HPX80715847	Titanium Pipe Support, HP51202T	1	**Discont'd**
21	HPX32016120011	Titanium Tube Heat Exchanger, HP50952T	1	**2,507.70**
	HPX80601793	Titanium Tube Heat Exchanger, HP51202T	1	**3,191.51**
22	HPX32004210134	Press Stents	1	**Discont'd**
23	HPX20000110373	Compressor, HP50952T	1	**3,177.59**
	HPX80100221	Compressor, HP51202T	1	**2,996.18**
24	HPX81800023	Adapter	5	**29.67**
25	HPX81800029	Pipe	1	**Discont'd**
26	SPX3200UNKIT	Union	10	**91.76**
27	HPX80705641	Tie Down	1	**Discont'd**
28	HPX81800025	Nut	1	**142.53**
29	HPX50100061801	Water Union Adapter Kit	2	**45.87**
30	HPX20000140579	Liquid Storage Tank, HP51202T	1	**134.85**
31	HPX51700086101	Water Flow Switch	1	**77.50**
32	HPX20031379	Joint	1	**24.70**
33	HPX80600731	Finned Heat Exchanger, HP50952T	1	**2,954.00**
	HPX80601540	Finned Heat Exchanger, HP51202T	1	**3,741.48**
34	HPX32015210035	Top Support Plate Component	1	**306.88**
35	HPX20000270057	Axial Flow Fan	1	**282.15**
36	HPX80700160	Fan Nets with Plastic Cover	1	**236.62**
37	HPX80717057	Electrical Box Liner, HP51202T	1	**95.49**
38	HPX20003909	Two Socket	1	**5.18**
39	HPX20000360297	Relay	20	**29.67**
40	HP20000360006	Single Phase AC Contactor	1	**Discont'd**
41	HPX20000390223	Three Terminal Blocks, HP50952T	10	**22.79**
42	HPX20000390046	Terminal	10	**Discont'd**
43	HPX72200101	PC1002 Main Control Board	5	**539.57**
	HPX51100087001	PC1004 Main Control Board	1	**307.91**
44	HPX82300018	Variable Frequency Driver Module, HP50952T	1	**3,030.14**
	HPX20000310165	Variable Frequency Driver Module, HP51202T	1	**3,172.09**

Parts Diagram: HP20654T, HP20654BT, HP20854BT, HP20854T, HP21104T, HP21104TC



Parts Listing: HP20654T, HP20654BT, HP20854T, HP20854BT, HP21104T, HP21104TC

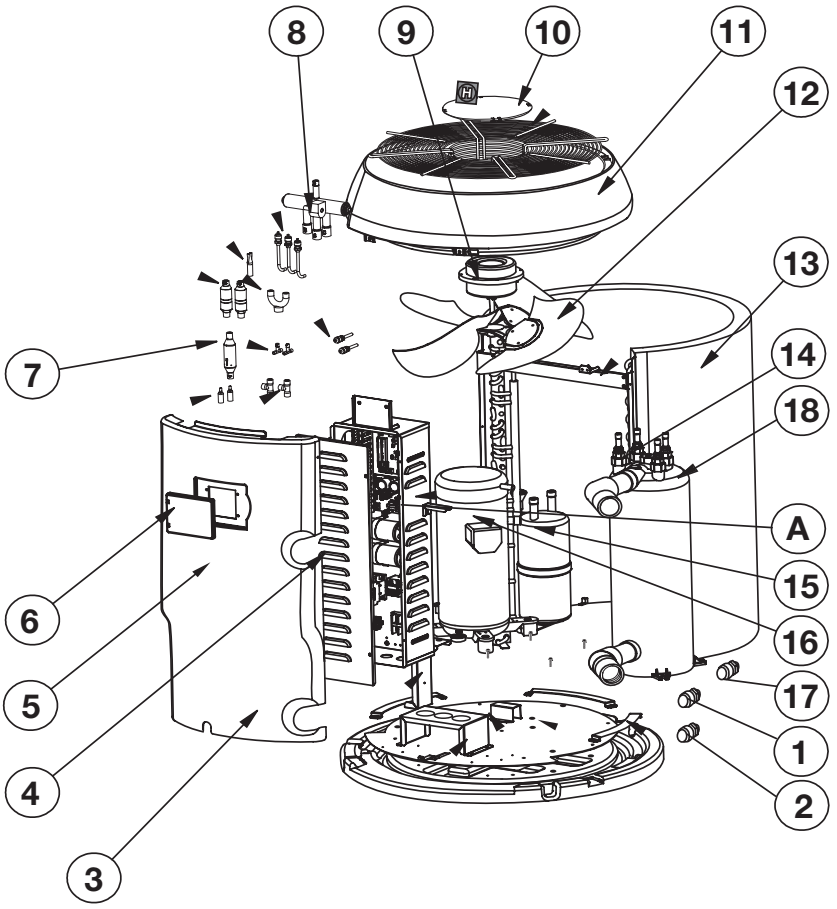
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HPX01023502	Fan Top for HP20654T, HP20854T, HP21104T and HP21104TC	1	**$191.00**
2	HPX01023503	Side Panel for HP20654T, HP20854T, HP21104T and HP21104TC	1	**Discont'd**
3	HPX1985	Contactor	5	**139.09**
4	HPX26024139	Control Board Assembly	1	**467.33**
5	HPX11024130	Interface Board	10	**224.83**
6	HPX2181	Water Pressure Switch	10	**117.20**
7	HPX5110009901	Transformer	1	**Discont'd**
8	HPX11024270	Compressor Run Capacitor for HP20654T and HP20654BT, 45uf, 370 VAC	6	**75.04**
	HPX11024272	Compressor Run Capacitor for HP20854T and HP20854BT, 45uf, 370 VAC	5	**Discont'd**
	SMX11022320	Compressor Run Capacitor for HP21104T and HP21104TC, 45uf, 370 VAC	6	**99.42**
9	HPX24024238	Bent Coil with Guard for HP20654T and HP20854T	5	**Discont'd**
	HPX24024241	Bent Coil with Guard for HP21104T and HP21104TC	1	**Discont'd**
10	HPX11024204	Compressor for HP20854T and HP20854BT	1	**Discont'd**
	SMX11012753**	Compressor for HP21104T and HP21104TC	1	**3,012.69**
11	HPX24012850	Condenser for HP21104T	1	**3,585.65**
	HPX24012851	Condenser for HP21104TC	1	**3,117.96**
	HPX24024712	Condenser for HP20654T, HP20854T, HP20654BT and HP20854BT	1	**Discont'd**
12	HPX11023564	Fan Motor, 1/3 H.P.	1	**625.45**
13	HPX01023561	Fan Guard	—	**Discont'd**
14	HPX15024321	Fan Blade	1	**Discont'd**
15	HPX11024258	High Pressure Switch, 590 PSI	10	**115.36**
16	HPX51100118601	Low Pressure Switch, 50 PSI	10	**57.60**
17	HPX15012843	Thermostatic Expansion Valve for HP20854T and HP20854BT	1	**Discont'd**
	HPX15012842*	Thermostatic Expansion Valve for HP21104T and HP21104TC	10	**Discont'd**
	HPX15012852**	Thermostatic Expansion Valve for HP21104T and HP21104TC	10	**Discont'd**
18	HPX2169	Temperature Sensor, 10k	24	**83.17**
19	HPX01023760	Electrical Entry Plug	1	**Discont'd**
20	HPX11024151	Fan Run Capacitor, 7.5uf	6	**50.94**
21	HPX11024169	Defrost Sensor	24	**64.76**
22	HPX1462	Filter Drier	1	**179.55**
NOT PICTURED				
—	HPX10023517	HPC Cable	12	**$86.11**
—	HPX02024108	Compressor Blanket	1	**228.09**
—	SMXHP2215	Hose Barb Service Kit	14	**27.95**

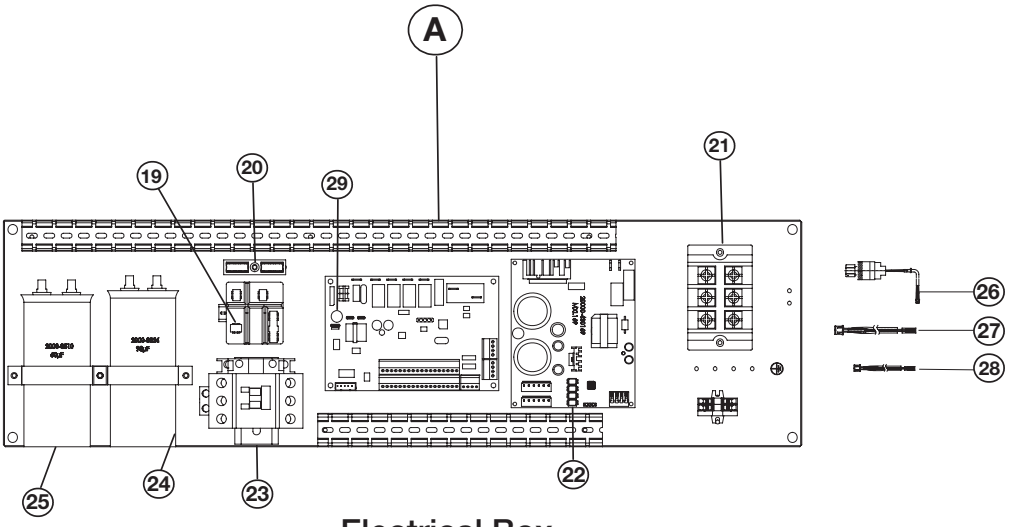
NOTES: *Used on units prior to s/n 21131410102317001

**Used on units after s/n 21131410102458001

HP31005T

Parts Diagram



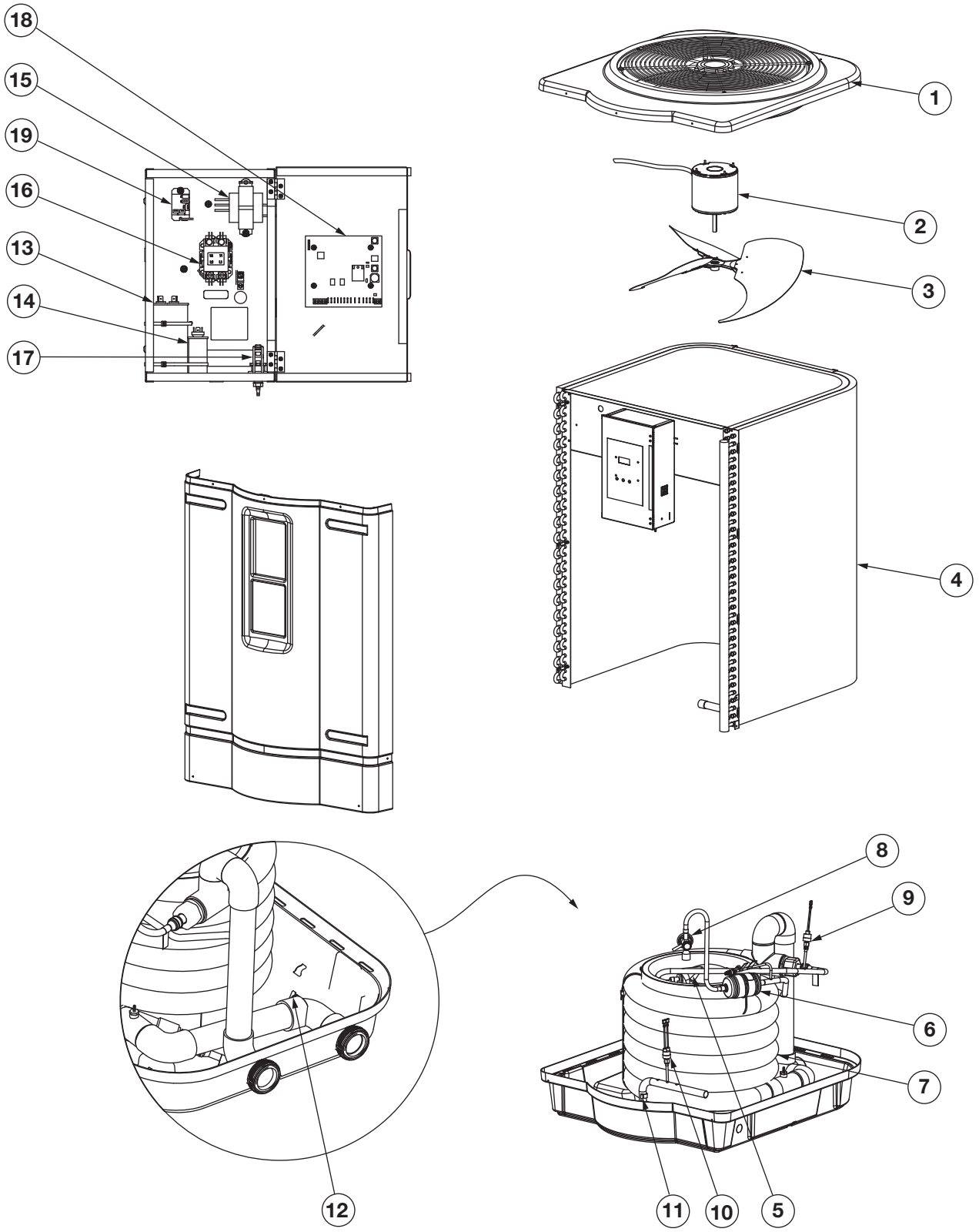


Electrical Box

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HPX20000360187	Secondary High Pressure Switch	20	**$44.56**
2	HPX20000360054	Low Pressure Switch	20	**39.61**
3	HPX80901109	Front Panel	1	**249.30**
4	HPX80711456	Electrical Box Cover	5	**45.11**
5	HPX83700118	The Trademark	1	**23.19**
6	HPX72200348	LED302	10	**177.60**
7	HPX20011497	Check Valve	1	**67.74**
8	HPX20011491	Four-Way Valve	1	**257.42**
9	HPX20000330381	Fan Motor	1	**498.65**
10	HPX20000220320	Motor Cover Plate	1	**19.84**
11	HPX80901118	Cover	1	**322.04**
12	HPX80300033	Fan	1	**228.57**
13	HPX80601153	Fin Heat Exchanger	1	**3,194.38**
14	HPX51700086101	Water Flow Switch	20	**77.50**
15	HPX35051405	Gas Liquid Separator	1	**180.67**
16	HPX20000110040	Compressor	1	**3,053.47**
17	HPX51700085201	High Pressure Switch	20	**41.24**
18	HPX80601154	Titanium Heat Exchanger	1	**2,872.56**
19	HPX20000360035	Start Relay	1	**36.36**
20	HPX20003909	Terminal Board (2 bit)	1	**5.18**
21	HPX20000390222	Terminal Board (3 bit)	5	**41.57**
22	HPX72200052	DC Speed Control Module	4	**273.20**
23	HPX82900067	AC Contactor	1	**342.83**
24	HPX20003524	Compressor Capacitance, 98uf	2	**150.61**
25	HPX20003510	Compressor Capacitance, 60uf	5	**62.32**
26	HPX20000360306	Pressure Sensor	1	**290.89**
27	HPX51700085901	Temperature Sensor, 5K	20	**23.93**
28	HPX51700086001	Temperature Sensor, 50K	5	**23.93**
29	HPX51100106201	PC1002 Main Control Board	5	**366.56**
	HPX51100087001	PC1004 Main Control Board	5	**307.91**
—	HPX50100061801	Water Union Adapter Kit *(Set of 2)*	1	**45.87**
—	SPX3200UNKIT	Union Kit *(Set of 2)*	10	**91.76**

Parts Diagram: HP21404T, HP21404TC, HP21004T, HP21254T, SUMXL112, SUMXL140, HP21124T

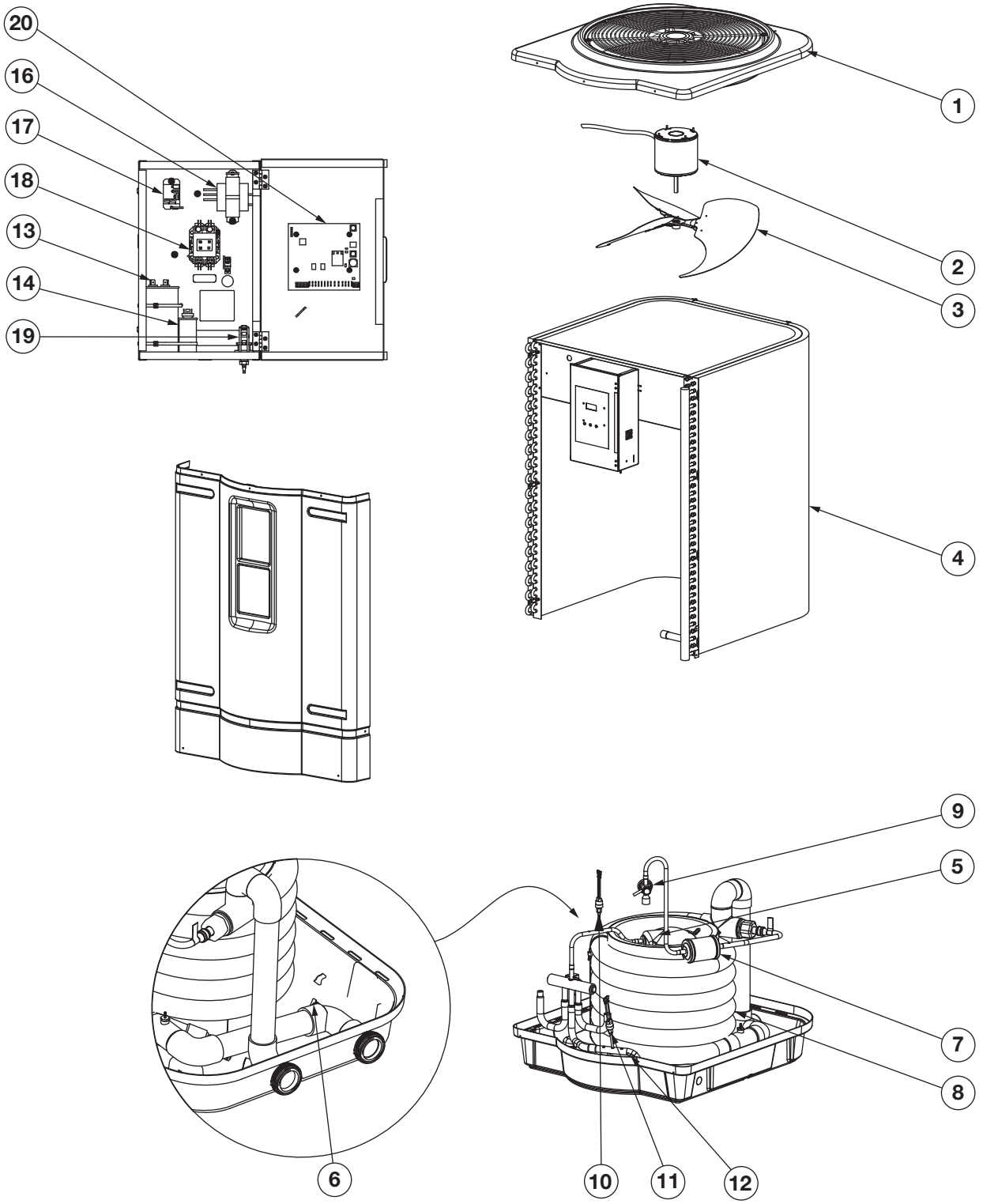


Parts Listing: HP21404T, HP21404TC, HP21004T, HP21254T, SUMXL112, SUMXL140, HP21124T

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SMX309077011	Top Panel – Taupe with Guard	1	**Discont'd**
2	SMX300055036	Fan Motor	1	**$498.17**
3	SMX303140003	Fan Blade	1	**464.02**
4	SMX305099004	Evaporator for HP21404T, HP21404TC	1	**Discont'd**
	SMX24024408	Evaporator for HP21254T, HP21124T	1	**Discont'd**
	SMX24024414	Evaporator for HP21004T	1	**Discont'd**
5	SMX11017204	Compressor for HP21004T prior to serial number 21131501105230001	1	**Discont'd**
	SMX301150010	Compressor for HP21124T prior to serial number 21131501102140001	1	**Discont'd**
	SMX11024201	Compressor for HP21254T prior to serial number 21131405101250001	1	**Discont'd**
	SMX11024201	Compressor for HP21404T prior to serial number 21131404105240001	1	**Discont'd**
	SMX11012751	Compressor for HP21004T after serial number 21131501105230001	1	**3,464.60**
	SMX11012753	Compressor for HP21124T after serial number 21131501102140001	1	**3,012.69**
	SMX11012755	Compressor for HP21254T after serial number 21131405101250001	1	**3,464.60**
	SMX11012755	Compressor for HP21404T after serial number 21131404105240001	1	**3,464.60**
	SMX10024715	Compressor Plug (not shown) for HP21004T prior to serial number 21131501105230001	1	**Discont'd**
	SMX10024715	Compressor Plug (not shown) for HP21124T prior to serial number 21131501102140001	1	**Discont'd**
	SMX10024715	Compressor Plug (not shown) for HP21254T prior to serial number 21131405101250001	1	**Discont'd**
	SMX10024715	Compressor Plug (not shown) for HP21404T prior to serial number 21131404105240001	1	**Discont'd**
	SMX10022329	Compressor Plug (not shown) for HP21004T after serial number 21131501105230001	5	**93.67**
	SMX10022329	Compressor Plug (not shown) for HP21124T after serial number 21131501102140001	5	**93.67**
	SMX10022329	Compressor Plug (not shown) for HP21254T after serial number 21131405101250001	5	**93.67**
	SMX10022329	Compressor Plug (not shown) for HP21404T after serial number 21131404105240001	5	**93.67**
6	HPX1462	Filter – Drier for all	1	**179.55**
7	SMX24024864	Heat-Exchanger for HP21404T	1	**4,230.47**
	SMX24022372	Heat Exchanger for HP21004T	1	**3,672.35**
	SMX24024509	Heat Exchanger for HP21124T prior to serial number 21131708100361001	1	**3,672.35**
	SMX2401347101	Heat Exchanger for HP21124T after serial number 21131708100361001	1	**4,477.25**
8	SMX15024595	Thermal Expansion Valve (TXV) for HP21004T prior to serial number 21131501105230001	1	**Discont'd**
	SMX15024595	Thermal Expansion Valve (TXV) for HP21124T prior to serial number 21131501102140001	1	**Discont'd**
	SMX15012865	Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001	10	**236.90**
	HPX51700029001	Thermal Expansion Valve (TXV) for HP21124T after serial number 21131501102140001	10	**227.79**
		Thermal Expansion Valve (TXV) for HP212541 after serial number 21131405101250001	10	**261.96**
		Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001	10	**261.96**
9	HPX11024258	High Pressure Switch – 590 PSI	10	**100.30**
10	HPX11024259	Low Pressure Switch – 80 PSI	10	**Discont'd**
11	SMX306000023	Defrost Sensor	10	**61.53**
12	SMX306000024	Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T	25	**61.53**
13	SMX11022320	Compressor Run Capacitor – 80uf, 440 VAC	6	**86.46**
13	HPX51100010001	Dual Capacitor-Run, 80+7	1	**86.46**
14	HPX11024151	Fan Capacitor – 7.5uf	6	**44.31**
15	HPX11023693	Transformer	1	**85.75**
16	HPX1985	Contactor	5	**120.95**
17	HPX2181	Water Pressure Switch	10	**101.91**
18	HPX51100122201	Control Board for HP21404T, HP21004T, HP21124T and HP21254T	30	**571.98**
19	HPX51000010301	Relay	1	**40.40**
NOT PICTURED				
—	SMX14024927	Consumer Kit	2	**$77.13**
—	SMX1101191101	Master On/Off Switch	50	**34.60**

HeatPro® Heat Cool

Parts Diagram: HP31154T, HP31204T, HP31404T

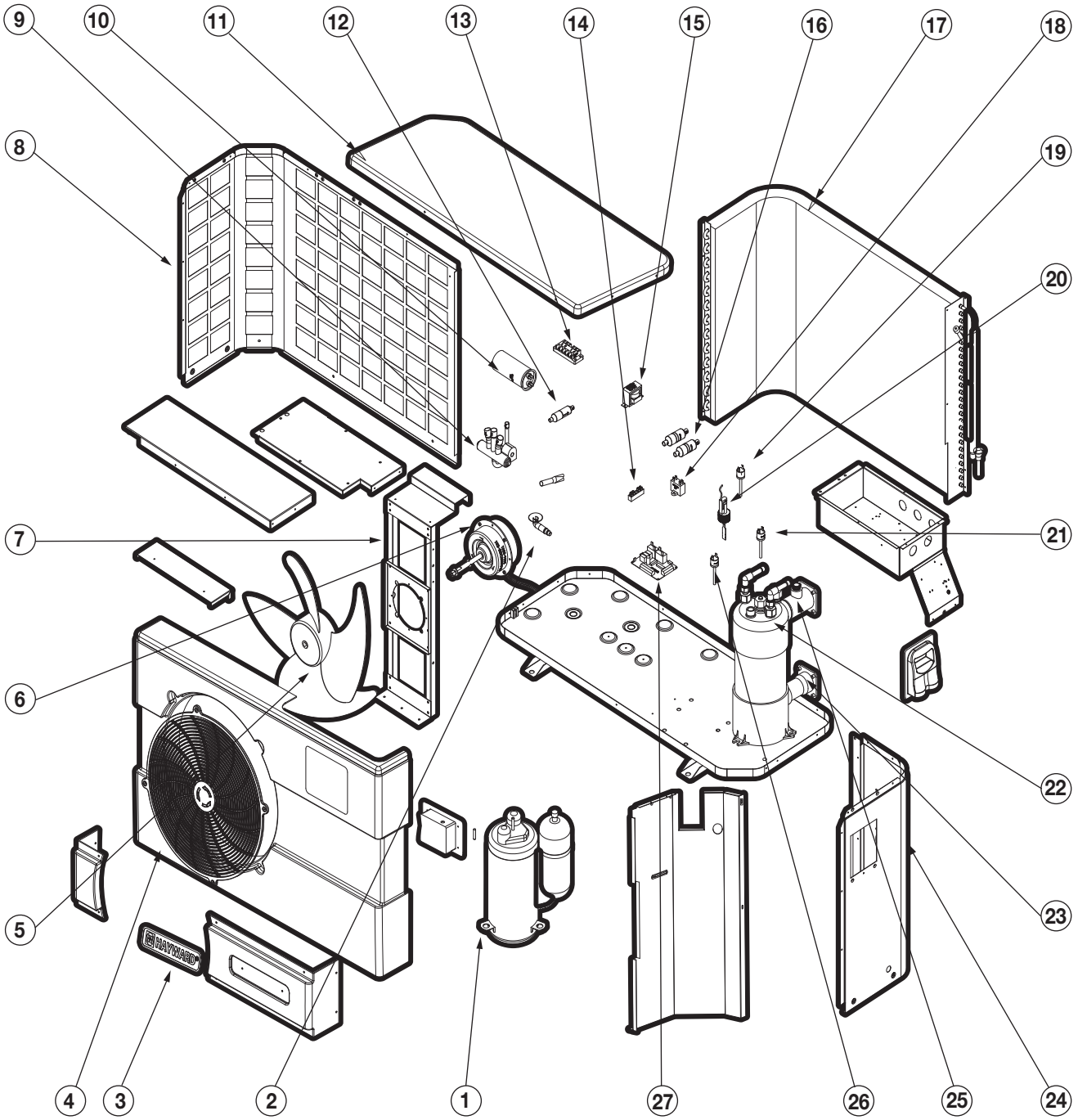


Parts Listing: HP31154T, HP31204T, HP31404T

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SMX309077011	Top Panel, Taupe with Guard	1	**Discont'd**
2	SMX300055036	Fan Motor	1	**$498.17**
3	SMX303140003	Fan Blade	1	**464.02**
4	SMX24024408	Evaporator for SUMXL112 (2017)	1	**Discont'd**
5	SMX301150010	Compressor for HP31154T	1	**Discont'd**
	SMX11012754	Compressor for HP31204T	1	**Discont'd**
	SMX11012755	Compressor for HP31404T	1	**3,464.60**
	SMX10024715	Compressor Plug (not shown) for HP31154T	1	**Discont'd**
	SMX10024899	Compressor Wire Harness (not shown) for HP31024T	1	**78.08**
	SMX10022329	Compressor Plug (not shown) for HP31404T	5	**93.67**
6	HPX2169	Water Temperature Sensor, Prior to SN# 21132110XXXXXX001	24	**83.17**
7	SMX15022309	Filter – Drier for HP31204T and HP31154T	1	**175.22**
8	SMX24024942	Heat-Exchanger for HP31154T	1	**Discont'd**
	SMX24022306	Heat-Exchanger for HP31204T	1	**4,225.77**
9	HPX51700029001	Thermal Expansion Valve (TXV)	10	**261.96**
10	HPX11024258	High Pressure Switch, 590 PSI	10	**115.36**
11	HPX11024259	Low Pressure Switch, 80 PSI	10	**Discont'd**
12	SMX306000023	Defrost Sensor	10	**70.76**
13	SMX11022320	Compressor Run Capacitor, 80uf, 440 VAC	6	**99.42**
13	HPX51100010001	Dual Capacitor, 80+7.5uf, 440 VAC	1	**99.42**
14	HPX11024151	Fan Capacitor, 7.5uf	6	**50.94**
15	HPX11023509	Interface Board for HP31154T and HP31204T (not shown)	1	**Discont'd**
16	HPX51100009901	Transformer	1	**143.00**
17	HPX51000010301	Relay	1	**46.47**
18	HPX1985	Contactor	5	**139.09**
19	HPX2181	Water Pressure Switch	10	**117.20**
20	SMX11023511	Control Board for HP31154T and HP31204T, prior to SN# 21132110XXXXXX001	10	**442.56**
	HPX51100026601	Control Board for HP31204T and HP31404T starting SN# 21132110XXXXXX001	20	**715.92**
—	SMX1101191101	Master On/Off Switch (not shown)	50	**39.78**
NOT PICTURED				
—	HPX10023517	Control Board Cable for HP31154T and HP31204T	12	**$86.11**
—	SMX14024927	Consumer Kit	2	**Discont'd**
—	SMX15022313	Reversing Valve for HP31204T, HP31404T	1	**Discont'd**

HP50HA1

Parts Diagram: HP50HA, HP50HA1

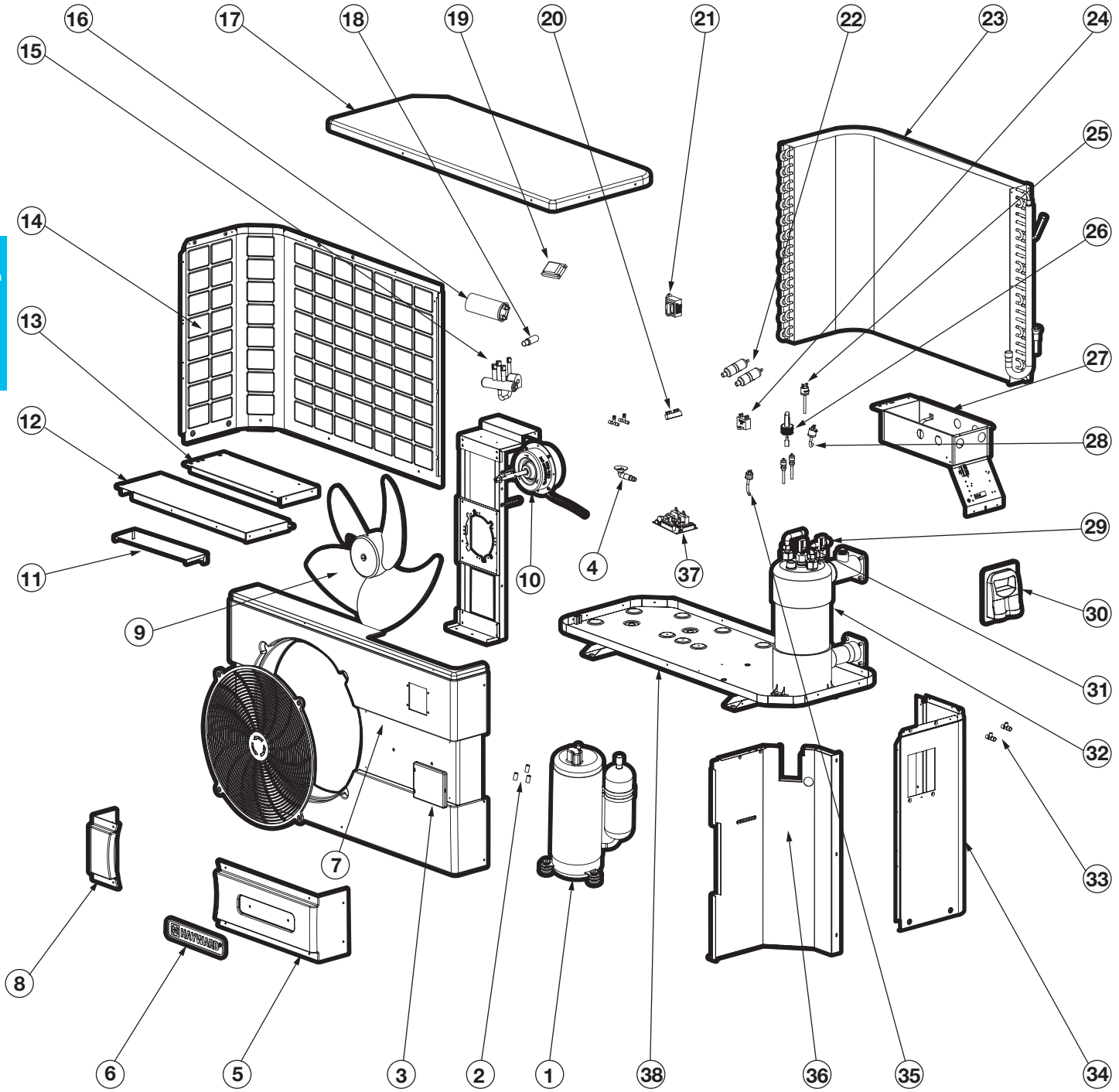


Parts Listing: HP50HA, HP50HA1

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HPX20000-110041	Compressor	1	**$3,345.95**
2	HPX3400-2203	Drainage Connector	25	**13.54**
3	HPX20000-230596	Hayward Logo	5	**Discont'd**
4	HPX32008-220051	Front Panel	1	**298.05**
5	HPX3500-2701	Axial Fan	1	**73.85**
6	HPX20000-330124	Fan Motor	1	**473.08**
7	HPX32012-210742	Motor Bracket	—	**Discont'd**
8	HPX32012-210736	Left Panel	1	**233.76**
9	HPX2001-1418	Reversing Valve	1	**Discont'd**
10	HPX2000-3505	Compressor Capacitor 50UF/450	1	**74.81**
11	HPX32008-220054	Top Cover	1	**186.92**
12	HPX2001-1499	Check Valve	1	**277.15**
13	HPX20000-390231	Terminal Block 5 Connnector	5	**66.46**
14	HPX2000-3909	Terminal Block with Connnector	25	**40.05**
15	HPX20000-370006	Transformer	5	**66.15**
16	HPX2004-1444	Filter	40	**33.28**
17	HPX32012-120165	Evaporator	1	**1,296.29**
18	HPX2000-3501	Fan Capacitor 3UF/450	15	**5.44**
19	HPX2000-3603	Low Pressure Switch	15	**61.84**
20	HPX51700086101	Water Flow Switch	20	**77.50**
21	HPX2001-3605	High Pressure Switch	20	**61.84**
22	HPX32012-120036	Titanium Heat Exchanger	1	**2,748.29**
23	HPX51700085901	Temperature Sensor, 5K	20	**23.93**
24	HPX32012-210735	Right Panel	1	**233.76**
25	HPX51700085901	Temperature Sensor, 5K	20	**23.93**
26	HPX20000-360059	High Pressure Switch 2	45	**54.76**
27	HPX72200074	PC1001 Main Control Board	1	**Discont'd**
—	HPX20000360006	AC Contactor	10	**73.96**
—	HPX95005-310261	LED Display	5	**315.16**

HP50HA2

Parts Diagram: HP50HA2

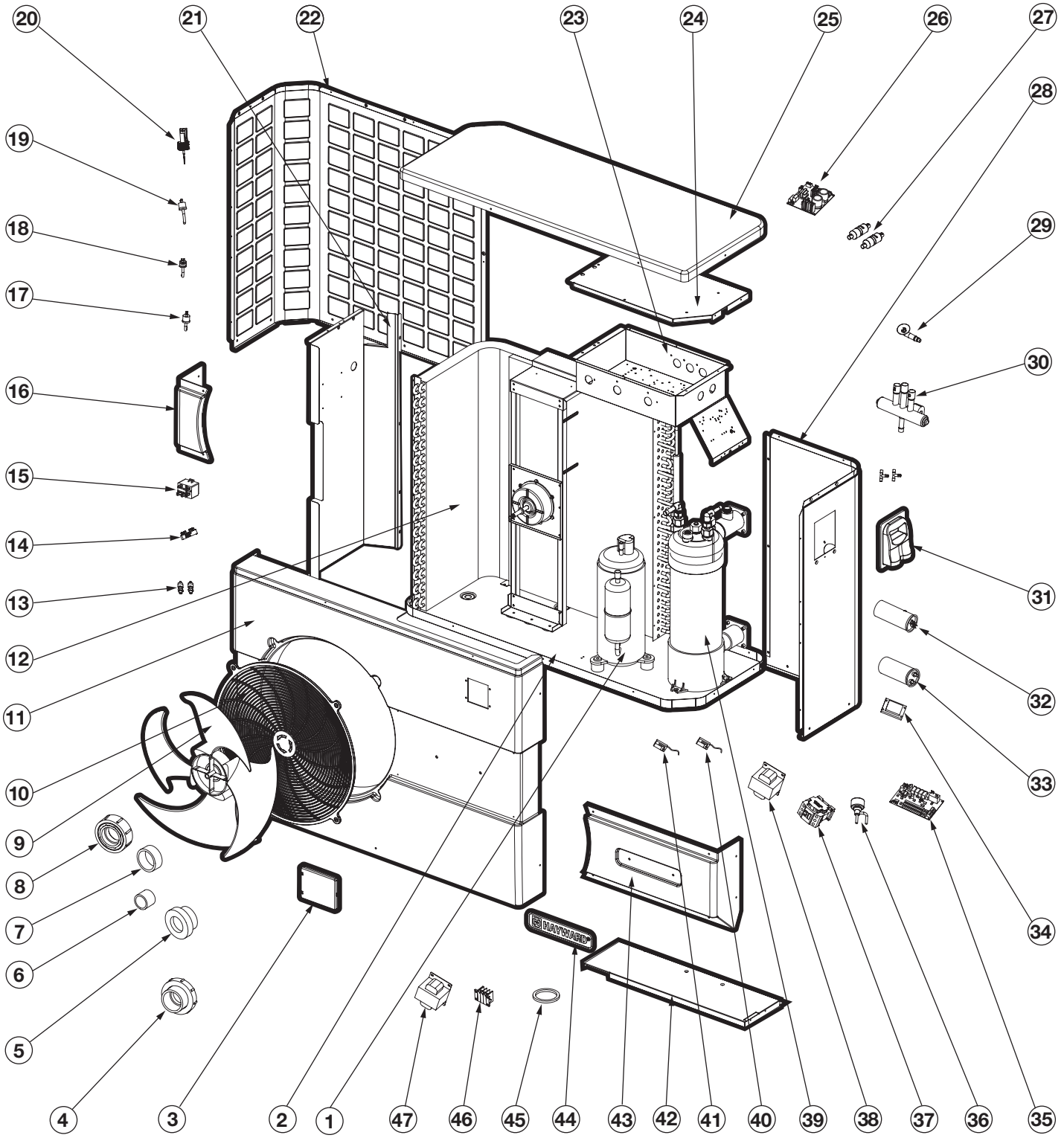


Parts Listing: HP50HA2

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HPX20000-110041	Compressor	1	**$3,345.95**
2	HPX2002-8881	Steel Sleeve	1	**Discont'd**
3	HPX72200268	LED207	1	**75.12**
4	HPX3400-2203	Drainage	25	**13.54**
5	HPX32008-220053	Front Frame Decoration 2	1	**Discont'd**
6	HPX20000-230596	Mark (Hayward)	5	**Discont'd**
7	HPX80900662	Front Panel	1	**391.99**
8	HPX32008-220052	Front Frame Decoration 1	1	**53.49**
9	HPX80300003	Fan Blade	1	**102.45**
10	HPX80200144	Fan Machinery	1	**368.82**
11	HPX32008-210069	Before the Fixed Plate	1	**Discont'd**
12	HPX32012-210737	Mounting Plate	1	**65.33**
13	HPX32012-210740	Electric Box Cover Plate	1	**29.67**
14	HPX32012-210736	Back Stop	1	**233.76**
15	HPX2001-1418	Four-way Valve	1	**Discont'd**
16	HPX2000-3505	Compressor Capacitor, 50uf, 450 VAC	1	**74.81**
17	HPX32008-220054	Head Cover	1	**186.92**
18	HPX2002-1443	Variable Diameter	1	**Discont'd**
19	HPX20000-390231	Terminal Block, 5 Connector	5	**66.46**
20	HPX2000-3909	Terminal Block, 2 Connector	25	**40.05**
21	HPX20000-370006	Power Transformer	5	**66.15**
22	HPX2004-1446	Filter	1	**29.67**
23	HPX80600627	Fin Type Heat Exchanger	1	**1,857.84**
24	HPX2000-3501	Fan Capacitor, 3uf, 450 VAC	15	**5.44**
25	HPX2000-3603	Low Pressure Switch	15	**61.84**
26	HPX51700086101	Water Switch	20	**77.50**
27	HPX32012-210739	Electrical Box	1	**Discont'd**
28	HPX2001-3605	High Pressure Switch	20	**61.84**
29	HPX51700085901	Water Inlet Sensor, 5K	20	**23.93**
30	HPX32009-220029	Terminal Box	1	**20.50**
31	HPX51700085901	Water Outlet Sensor, 5K	20	**23.93**
32	HPX80600622	Titanium Tubular Exchanger	1	**1,987.61**
33	HPX304030-00002	Tee	1	**Discont'd**
34	HPX32012-210735	Right-Side Plate	1	**233.76**
35	HPX20000-360059	High Pressure Switch 2	45	**54.76**
36	HPX32012-210738	Median Septum	1	**112.86**
37	HPXMCB50HA2	PC1001	50	**261.13**
38	HPX32012-210741	Chassis	1	**505.61**
—	HPX20000360006	AC Contactor	10	**73.96**

HP70HA2

Parts Diagram: HP70HA2

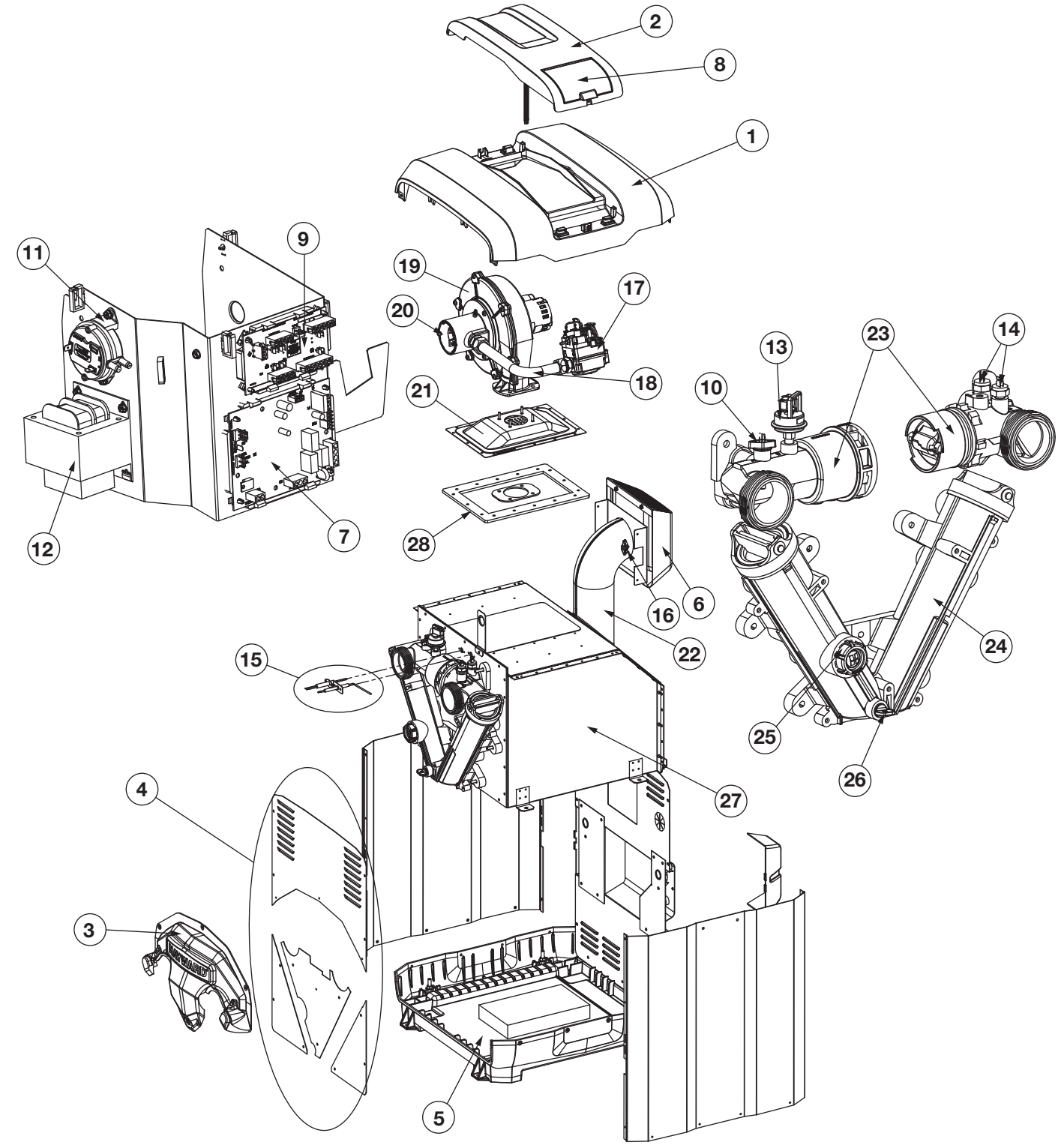


Parts Listing: HP70HA2

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HPX20000-110429	Compressor	1	**$3,094.45**
2	HPX80707301	Chassis	1	**344.46**
3	HPX72200348	LED302	10	**177.60**
4	HPX81800023	Adapter	5	**29.67**
5	SPX3200UNADP	Butt Nipple with Gasket	10	**39.08**
6	HPX81800029	Pipe	1	**Discont'd**
7	SPX3200UNKIT	Union	10	**91.76**
8	HPX81800025	Fixed Bracket	1	**142.53**
9	HPX20000-270004	Fan	5	**127.13**
10	HPX20000-220169	Fan Guard	10	**123.89**
11	HPX80900640	Front Panel	1	**516.74**
12	HPX80600668	Evaporator Heat Exchanger	1	**2,565.83**
13	HPX20000-140150	Needle Valve, High Pressure	1	**Discont'd**
14	HPX2000-3909	Terminal Block, 2 Connector	25	**40.05**
15	HPX20000-360035	Relay	25	**57.99**
16	HPX32017-220002	Front Frame Decoration 1	1	**112.86**
17	HPX2000-3603	Low Pressure Switch	15	**61.84**
18	HPX20000-360059	High Pressure Switch	45	**54.76**
19	HPX2001-3605	High Pressure Switch	20	**61.84**
20	HPX51700086101	Water Flow Switch	20	**77.50**
21	HPX80706000	Median Septum	1	**Discont'd**
22	HPX80708757	Rear Panel	1	**5.96**
23	HPX32009-210633	Electrical Box	1	**Discont'd**
24	HPX32009-210635	Control Top Cover	5	**54.79**
25	HPX32017-220004	Top Panel	1	**358.68**
26	HPX72200052	DC Speed Control Module	4	**273.20**
27	HPX2004-1444	Filter	40	**33.28**
28	HPX80708758	Right-Side Plate	1	**59.45**
29	HPX3400-2203	Drainage Adapter	25	**13.54**
30	HPX20011491	Four-Way Valve	1	**257.42**
31	HPX32009-220029	Terminal Box	1	**20.50**
32	HPX2000-3524	Compressor Capacitor, 98uf, 300 VAC	5	**114.06**
33	HPX2000-3510	Compressor Capacitor, 60uf, 450 VAC	1	**225.40**
34	HPX20000-390237	Three-Connector	1	**67.79**
35	HPX72200101	PC1002	5	**539.57**
36	HPX20000-140442	Electronic Expansion Valve	18	**566.22**
37	HPX20000-360226	AC Contactor	1	**315.29**
38	HPX20000-370030	Inverter Reactor	1	**498.89**
39	HPX80600624	Titanium Tubular Exchanger	1	**2,937.06**
40	HPX51700086101	Water Inlet Temperature Sensor, 5K	20	**77.50**
41	HPX51700086101	Water Outlet Temperature Sensor, 5K	20	**77.50**
42	HPX32009-210219	Support Panel	1	**Discont'd**
43	HPX32017-220003	Front Frame Decoration 2	1	**83.16**
44	HPX20000-230596	Hayward Logo	5	**Discont'd**
45	SPX3200UG	Rubber Ring	100	**25.97**
46	HPX20000390223	Three-Connector	10	**22.79**
47	HPX20000-430215	Inductance	10	**41.31**

Universal HC Series Small Footprint Heater

Parts Diagram: HDF400, HDF275



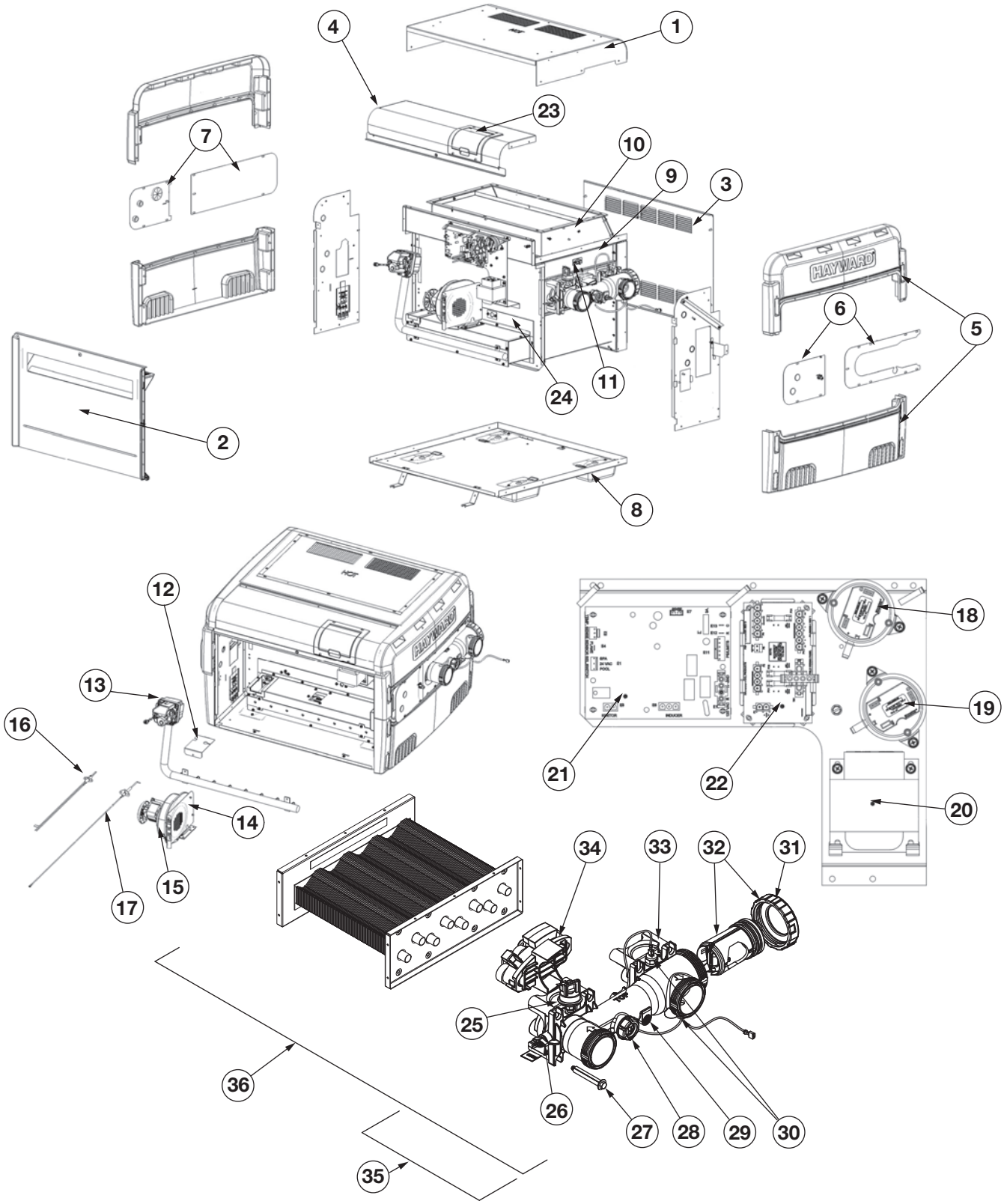
Universal HC Series Small Footprint Heater

Parts Listing: HDF400, HDF275

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HDXFTOP001	Cabinet Top	1	**$179.13**
2	HDXFCAP001	Control Access Panel Assembly	1	**470.34**
3	HDXFHCC001	Header Controls Cover	1	**187.00**
4	HDXFWTP001	Water Side Trim Panels	1	**313.55**
5	HDXFBOT001	Cabinet Base	1	**214.25**
6	HDXFEXB001	Exhaust Box Assembly	1	**144.13**
7	HDXFICBRD001	Ignition Control Board	30	**358.40**
8	HDXFUIBRD001	Display Board and Ribbon Cable	30	**358.40**
9	FDXLFWP1930	Field Wiring Panel (Fuse Board)	30	**155.54**
10	FDXLTER1931	Thermistor	20	**88.15**
11	HDXFDPS400	Differential Pressure Switch	16	**58.19**
12	IDXL2TRF1930	Transformer	6	**269.71**
13	FDXLWPS1931	Water Pressure Switch	25	**76.43**
14	HDXFHLI400	High Limit Kit, 160°F	1	**82.97**
	HDXFHLI275	High Limit Kit, 145°F	1	**82.97**
15	HDXFIGFS002	Ignitor and Flame Sensor	20	**178.34**
16	FDXLEGL1930	Exhaust Gas Temperature Limit	25	**49.13**
17	HDXFGSV001	Gas Valve	10	**627.10**
18	HDXFMAN001	Gas Manifold	1	**165.74**
19	HDXFBWR001	Combustion Blower	1	**940.73**
	HDXFBWR275	Combustion Blower	1	**750.27**
20	HDXFMXN400	Natural Gas Fuel/Air Mixer	25	**58.19**
	HDXFMXN275	Natural Gas Fuel/Air Mixer	25	**53.91**
	HDXFMXP400	Propane Fuel/Air Mixer	25	**58.19**
	HDXFMXP275	Propane Fuel/Air Mixer	25	**53.91**
21	HDXFBRN400	Burner	1	**649.49**
22	HDXFEXP001	Exhaust Pipe Assembly	1	**313.55**
23	HDXFIOH001	HDF Inlet/Outlet Header Kit	1	**515.13**
24	HDXFVHD001	V-Header Assembly	1	**783.91**
25	CHXPLG1930	Pressure Relief Threaded Plug	25	**42.90**
26	SPX4000FG	Drain Plug With O-Ring	50	**9.03**
27	HDXFHXA400	HDF Combustion Chamber Replacement Kit	1	**4,703.44**
	HDXFHXA275	HDF Combustion Chamber Replacement Kit	1	**4,355.20**
28	HDXFBSGK400	Gasket Kit, Blower/Burner	25	**89.62**
Kits Not Shown in Diagram				
—	HDXFWHA001	Wiring Harness Kit, Complete	20	**$201.56**
—	HDXFHDW001	HDF Header Hardware Kit	16	**31.35**
—	SPX3200UNKIT	Union Flange Kit	10	**91.76**
—	HDXFORK001	HDF Header O-Ring Kit	25	**35.82**
—	FDXLFSK1930	Fuse Service Kit	25	**69.71**
—	FDXLFSKC30	Fuse Kit, 3.0A, for Field Wiring Panel *(Qty 10)*	25	**47.54**
—	HDXFEAK001	Electrical Accessory Kit	16	**76.20**
—	HDXFTUB001	Silicone Tubing Kit	1	**17.90**
—	HDXFHFA004	Exhaust Vent Adapter	1	**156.96**
—	HDXFINVNT400	Direct Vent Accessory Kit	1	**449.35**
—	HDXFINVNT275	Direct Vent Accessory Kit	1	**417.72**
—	HDXFHIALT400	High Altitude Installation Kit	3	**323.26**
—	HDXFRBCBL001	Ribbon Cable Extension	20	**58.78**

Universal H-Series Low NOx

Parts Diagram: H150FD, H200FD, H250FD, H300FD, H350FD, H400FD, H500FD



Parts Listing: H150FD, H200FD, H250FD, H300FD, H350FD, H400FD, H500FD

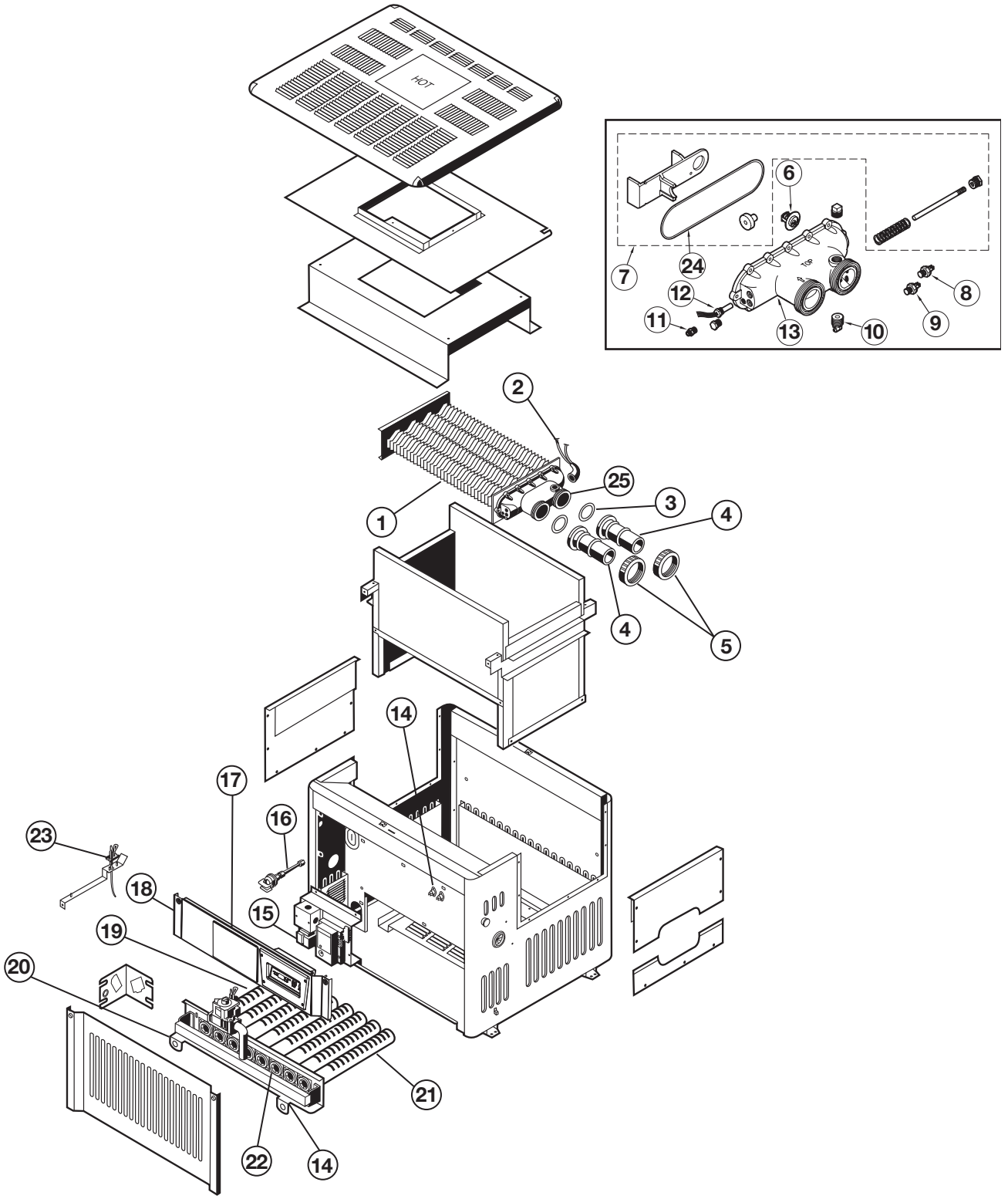
Ref. No.	Part No. 150	200	250	300	350	400	500	Description
1	FDXLJKT11501	FDXLJKT1201	FDXLJKT1251	FDXLJKT1301	FDXLJKT13501	FDXLJKT1401	FDXLJKT1501	Jacket Top
2	FDXLFAD11501	FDXLFAD1201	FDXLFAD1251	FDXLFAD1301	FDXLFAD13501	FDXLFAD1401	FDXLFAD1501 FDXLRAD1151	Front Access Door Assembly
3	—	FDXLRAD1201	FDXLRAD1251	FDXLRAD1301	FDXLRAD13501	FDXLRAD1401	FDXLRAD1501	Rear Access Door Assembly
4	FDXLTFP1150	FDXLTFP1201	FDXLTFP1251	FDXLTFP1301	FDXLTFP13501	FDXLTFP1401	—	Top Front Panel
5	FDXLBEC1930							End Cap Panels
6	FDXLRTP1930							Right Side Trim Panels
7	FDXLLTP1930							Left Side Trim Panels
8	FDXLPBL1930							Base Leg
9	FDXLFCS1930							Flue Collector Side Panel with Temperature Limit
10	FDXLRGK1151	FDXLRGK1201	FDXLRGK1251	—	FDXLRGK1351	FDXLRGK1401	FDXLRGK1501	Rain Guard Assembly
11	FDXLEGL1930							Exhaust Gas Temperature Limit (Single-Use)
12	FDXLIAC1930							Igniter Access Cover
13	FDXLGCKW150PN* FDXLGCK1150PN**	FDXLGCKW200PN* FDXLGCK1200PN**	FDXLGCKW250PN	FDXLGCKW300PN	FDXLGCKW350PN	FDXLGCKW400PN	FDXLGCK1500PN	Gas Manifold Kit, Natural (Also Used as a Field Conversion from Propane to Natural Gas)
	FDXLGCKW150NP* FDXLGCK1150NP**	FDXLGCKW200NP* FDXLGCK1200NP**	FDXLGCKW250NP	FDXLGCKW300NP	FDXLGCKW350NP	FDXLGCKW400NP	FDXLGCK1500NP	Gas Manifold Kit, Propane (Also Used as a Field Conversion from Natural Gas to Propane)
14	FDXLBBN150	FDXLBBN200	FDXLBBN250	FDXLBBN300	FDXLBBN350	FDXLBBN400	FDXLBBN500	Blower Inlet Baffle (0-2000 ft. Elevation)
15	FDXLBWR1930						FDXLBWR1500	Combustion Blower
16	FDXLIGN1930							Ignitor
17	IDXLFLS1930							Flame Sensor
18	FDXLVPS1930							Vent Pressure Switch
19	FDXLBVS1930							Blower Vacuum Switch
20	IDXL2TRF1930							Transformer
21	FDXLICB1930							Ignition Control Board
22	FDXLFWP1930							Field Wiring Panel
23	FDXLBKP1932							Bezel and Keypad Assembly
	FDXLBCP1150	FDXLBCP1200	FDXLBCP1250	FDXLBCP1300	FDXLBCP1350	FDXLBCP1400	FDXLBCP1500	Bezel and Keypad Upgrade Kit (Includes Top-Front Panel)
24	FDXLGSK1934							Gasket, CC Front/Air Box
25	FDXLWPS1931							Water Pressure Switch
26	FDXLTER1931							Thermistor
27	FDXLHDW1930							Header Hardware Kit
28	CHXPLG1930							3/4" Brass Plug
29	SPX400FG							Drain Plug with Gasket
30	FDXLHLI1930						FDXLHLI1500	High Limit Kit
31	FDXLCRN1930							Header Cartridge Retaining Nut
32	FDXLBPK1930							Bypass Cartridge Kit
33	FDXLHMB1930							Header Mounting Base Kit
34	FDXLPRM1930							Return Manifold Replacement Kit
35	FDXLFHA1930							Inlet/Outlet Header Assembly
36	FDXLHXA1150	FDXLHXA1200	FDXLHXA1250	FDXLHXA1300	FDXLHXA1350	FDXLHXA1400	FDXLHXA1500	Heat Exchanger Assembly
NOT SHOWN								
—	FDXLGSV0001						FDXLGSV1500N	Gas Valve, Natural
—	FDXLGSV0002						FDXLGSV1500P	Gas Valve, Propane
—	FDXLBON1930						FDXLBON1500	Burner Orifice Kit, Natural
—	FDXLBOP1390						FDXLBOP1500	Burner Orifice Kit, Propane
—	FDXLCNK0001							Gas Conversion Kit, Nat To LP
—	FDXLCNK0002							Gas Conversion Kit, LP To Nat
—	SPX3200UNKIT							Union Flange Kit (Includes Fittings, Union Nuts, and Gaskets)
—	FDXLTDK1930							Tie-Down Kit
—	FDXLBRN1930							Burner *(Qty. 8)*
—	FDXLBRN1931							Burner *(Qty. 1)*
—	FDXLGSK1934							Insulation, Return Side Tube Sheet
—	FDXLFOR1930							Header O-Ring Kit
—	FDXLWHA1931							Wiring Harness Kit, Complete
—	FDXLFSK1930							Fuse Service Kit
—	FDXLFSKF30							Fuse Kit, 3.0 A, for Field Wiring Panel *(Qty 10)*
—	FDXLFSKC30							Fuse Kit, 3.0 A, for Ignition Control Board *(Qty 10)*
—	FDXLHAK1931							High Altitude Conversion Kit, 2,000-10,000 ft. Elevation
—	UHXNEGVT11506 6" DIA	UHXNEGVT12006 6" DIA	UHXNEGVT12506 6" DIA	UHXNEGVT13008 8" DIA	UHXNEGVT13508 8" DIA	UHXNEGVT14008 8" DIA	UHXNEGVT15008 8" DIA	Indoor Vent Adapter Kit,Neg-Press Cat I (Vert)
—	N/A	UHXPOSHZ12504	N/A					Indoor Vent 4" Dia Adapter Kit, Pos-Press Cat III (Horz/Vert)
—	UHXHFA004							Heatfab SS 4" Dia Adapter
—	UHXDVA004							Duravent SS 4" Adapter
—	UHXPOSHZ11506†	UHXPOSHZ12006*	UHXPOSHZ12506*	N/A	UHXPOSHZ14006	UHXPOSHZ15006		Indoor Vent 6" Dia Adapter Kit, Pos-Press Cat III (Horz/Vert)
—	N/A	UHXHFA006						Heatfab SS 6" Dia Adapter
—	UHXDVA006							Duravent SS 6" Da Adapter
—	N/A	UHXPOSHZ13008	UHXPOSHZ13508	UHXPOSHZ14008	N/A			Indoor Vent 8" Dia Adapter Kit, Pos-Press Cat III (Horz/Vert)

*Used only on heaters starting with serial number 21132006100051001. **Used only on heaters prior to serial number 21132006100051001.

†No additional parts need to be ordered to install the kit. Adapter kit requires additional vent adapter selection of appropriate UHXHFA or UHXDVA to go along with the pipe system chose for the installation.

H-Series – Electronic (ED2 Style)

Parts Diagram

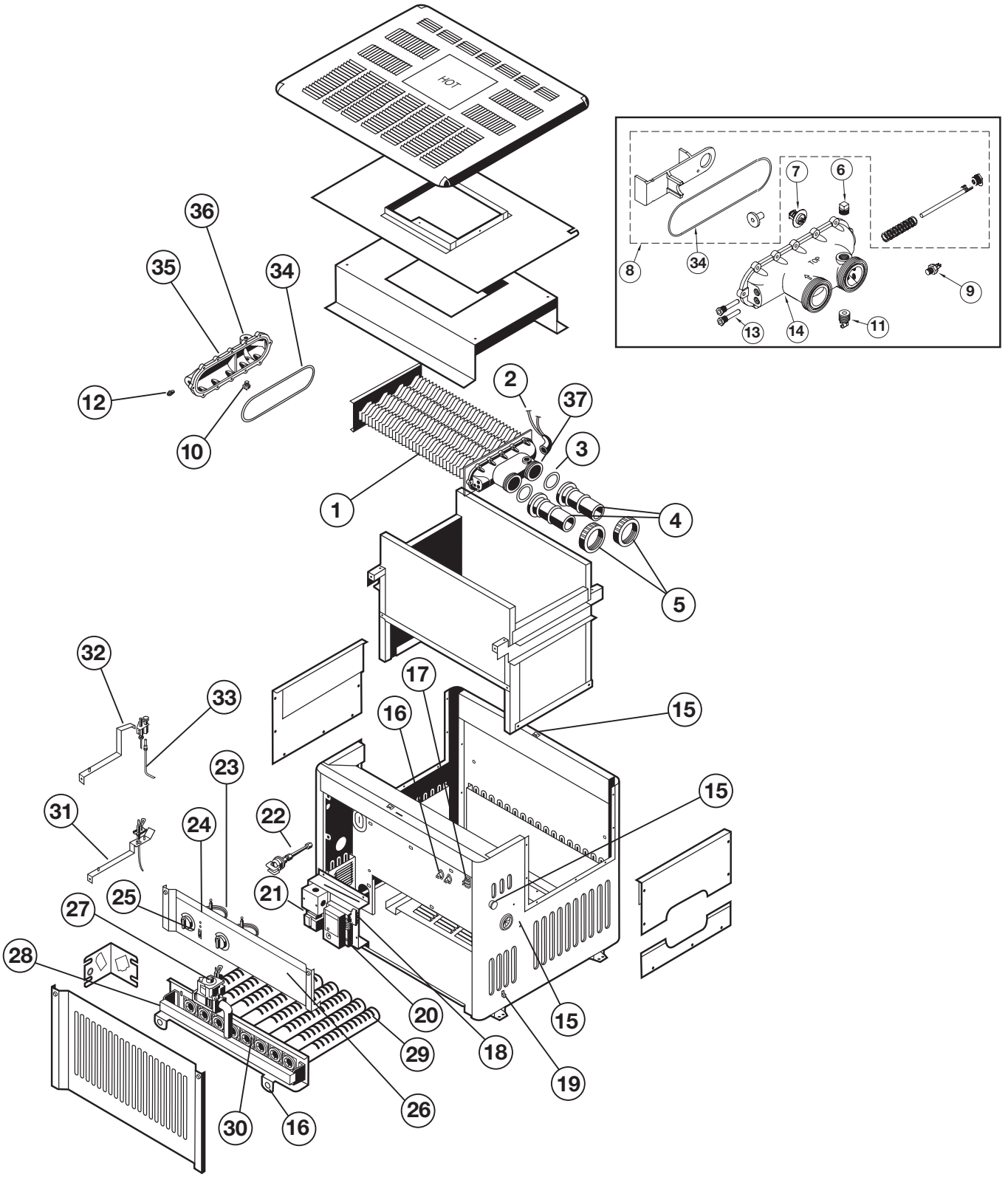


Parts Listing

Ref. No.	Part Number	Description
1	HAXHXA1153	Heat Exchanger Assembly – 150
	HAXHXA1203	Heat Exchanger Assembly – 200
	HAXHXA1253	Heat Exchanger Assembly – 250
	HAXHXA1303	Heat Exchanger Assembly – 300
	HAXHXA1353	Heat Exchanger Assembly – 350
	HAXHXA1403	Heat Exchanger Assembly – 400
2	HAXWHA0007	Rear Wire Harness, DS
3	HAXFOR1930	O-Rings
4	HAXNIP1930	Flange Pipe Nipples
5	HAXNUT1930	Union Nuts
6	HAXFCT1930	Flow Control Thermostat
7	HAXBPK1932	By-Pass Valve Kit
8	HAXHLI1930	Hi-Limit 135°F
9	HMXHLI2932	Hi-Limit 160°F
10	HAXDRV1930	Drain Valve Assembly
11	HAXPSA1930	Pressure Switch Adapter
12	FDXLTER1930	Thermistor
13	HAXFHD1931	Front Header Only
14	HAXTLK1930	Temperature Limiters Kit
15	CHXTRF1930	Transformer
16	HAXPSA1930	Pressure Switch Assembly
17	HAXCPA1932	Control Bezel Assembly
18	HAXCPA3153	Control Panel Assembly – 150 DS
	HAXCPA3203	Control Panel Assembly – 200 DS
	HAXCPA3253	Control Panel Assembly – 250 DS
	HAXCPA3303	Control Panel Assembly – 300 DS
	HAXCPA3353	Control Panel Assembly – 350 DS
	HAXCPA3403	Control Panel Assembly – 400 DS
19	HAXGSV0004	Gas Valve, DS Propane
	HAXGSV0005	Gas Valve, DS Natural Gas
20	HAXMAN1200	Gas Manifold – 200
	HAXMAN1250	Gas Manifold – 250
	HAXMAN1400	Gas Manifold – 400
21	HAXBRN1930	Burner Tube
22	HAXBON1930	Burner Orifice, Natural Gas
	HAXBON1931	Burner Orifice, Natural Gas HA
	HAXBOP1931	Burner Orifice, Propane HA
	HAXBOP1932	Burner Orifice, Propane
23	HAXIGN1931	Ignitor Assembly
24	HAXHOR1930	Header O-Ring
25	IDXLFHA1930	Front Header Assembly
—	HAXWHA0008	Main Wire Harness (not shown)
—	HAXWFN1930	Header Mounting Nut Kit *(Pack of 12)*

H-Series – Millivolt/Electronic (ED1 Style)

Parts Diagram



H-Series – Millivolt/Electronic (ED1 Style)

Parts Listing

Ref. No.	Part Number	Description
1	HAXHXA1153	Heat Exchanger Assembly – 150
	HAXHXA1203	Heat Exchanger Assembly – 200
	HAXHXA1210	Heat Exchanger Assembly – 210
	HAXHXA1253	Heat Exchanger Assembly – 250
	HAXHXA1303	Heat Exchanger Assembly – 300
	HAXHXA1353	Heat Exchanger Assembly – 350
	HAXHXA1403	Heat Exchanger Assembly – 400
	HAXWHA0006*	Rear Wire Harness, MV
2	HAXWHA0003	Rear Wire Harness, DS
	HAXWHA0007*	Rear Wire Harness, DS
3	HAXFOR1930	O-Rings
4	HAXNIP1930	Flange Pipe Nipples
5	HAXNUT1930	Union Nuts
6	CHXPLG1930	3/4" NPT Brass Plug
7	HAXFCT1930	Flow Control Thermostat
8	HAXBPK1931**	By-Pass Valve Kit
	HAXBPK1932*	By-Pass Valve Kit
9	HAXHLI1930	Hi-Limit 135° F
10	HMXHLI2932	Hi-Limit 160° F
11	HAXDRV1930	Drain Valve Assembly
12	CHXPSA1930	Pressure Switch Adapter
13	CHXTBW1930	Bulb Well
13	HAXTBW1930†	Bulb Well, Cotherm
14	HAXFHD1930	Front Header Only

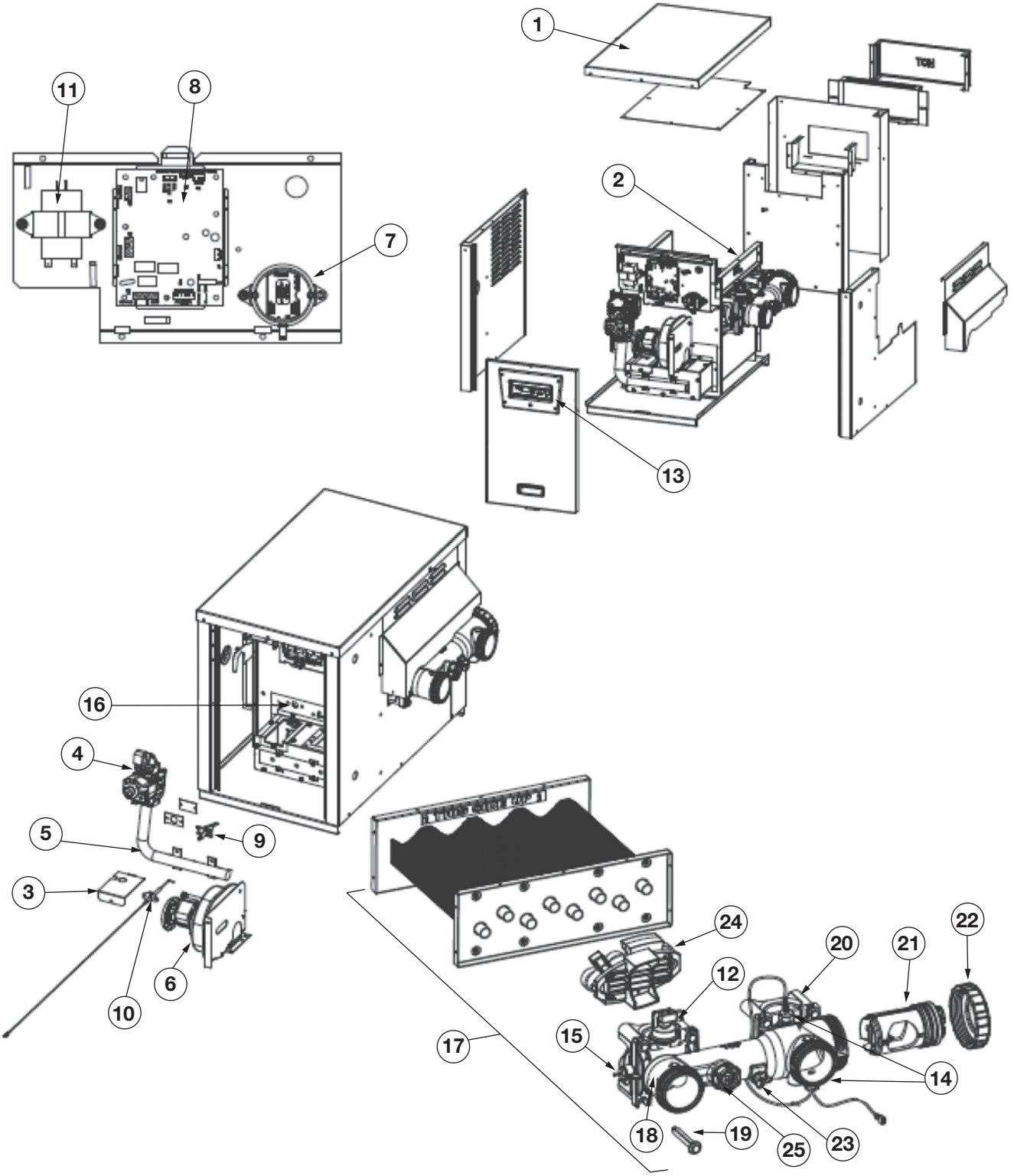
Ref. No.	Part Number	Description
14	HAXFHD1931*	Front Header Only
15	HAXPHK1930	Plastic Hardware Kit
16	HAXTLK1930	Temperature Limiters Kit
17	HAXTBK1931	2-Pole Terminal Block
18	HAXTBK1933	4-Pole Terminal Block
19	CHXGRL1930	TA-2 Ground Lug
20	HAXMOD1930	Control Module
21	CHXTRF1930	Transformer
22	HAXPSA1930	Pressure Switch Assembly
23	HAXTST1930	Thermostat
24	HAXLDK1930	LED Kit
25	CHXTSW1930	System Switch Single
	CHXTSW1931	System Switch Dual
26	HAXCPA2401***	Control Panel Assembly – 400 DS
27	HAXGSV0001	Gas Valve, MV Natural Gas
	HAXGSV0003	Gas Valve, MV Propane
	HAXGSV0004	Gas Valve, DS Propane
	HAXGSV0005	Gas Valve, DS Natural Gas
28	HAXMAN1250	Gas Manifold – 250
	HAXMAN1400	Gas Manifold – 400
29	HAXBRN1930	Burner Tube
30	HAXBON1930	Burner Orifice, Natural Gas
	HAXBON1931	Burner Orifice, Natural Gas HA
	HAXBON210	Burner Orifice, Natural, H210 Only

Ref. No.	Part Number	Description
30	HAXBOP1930	Burner Orifice, Propane
	HAXBOP1931	Burner Orifice, Propane HA
	HAXBOP210	Burner Orifice, Propane, H210 Only
31	HAXIGN1931	Ignitor Assembly
32	HAXPLT1931	Pilot – Natural Gas
	HAXPLT1932	Pilot – Propane
33	HAXTRK1930	Pilot Tube Replacement Kit
34	HAXHOR1930	Header O-Ring
35	HAXRHD1930**	Rear Header Only
36	HAXPLG1930	1/4" NPT Brass Plug
37	HAXFHA1930**	Front Header Assembly
	HAXFHA1931	Front Header Assembly
—	HAXWHA0005	Wire Harness, Main DS (not shown)
—	HAXWHA0004	Wire Harness, Control Panel (not shown)
—	FDXLGND1930	Heat Exchanger Bonding Kit
—	HAXWHA0001	Wire Harness, Main MV (not shown)
—	HAXRFK1930	Retro Fit Kit (not shown)
—	HAXWFN1930	Header Mounting Nut Kit (Pk of 12)
—	CHXMSI1930	Manual Piezo Spark Ignitier
—	CHXGEN1930	Millivolt Pilot Generator

NOTES: *Used on heaters made after 10/28/00
**Used on heaters made before 10/28/00
***Used on heaters made after 5/8/98
†Used on heaters made after 6/1/01

H-Series

Parts Diagram

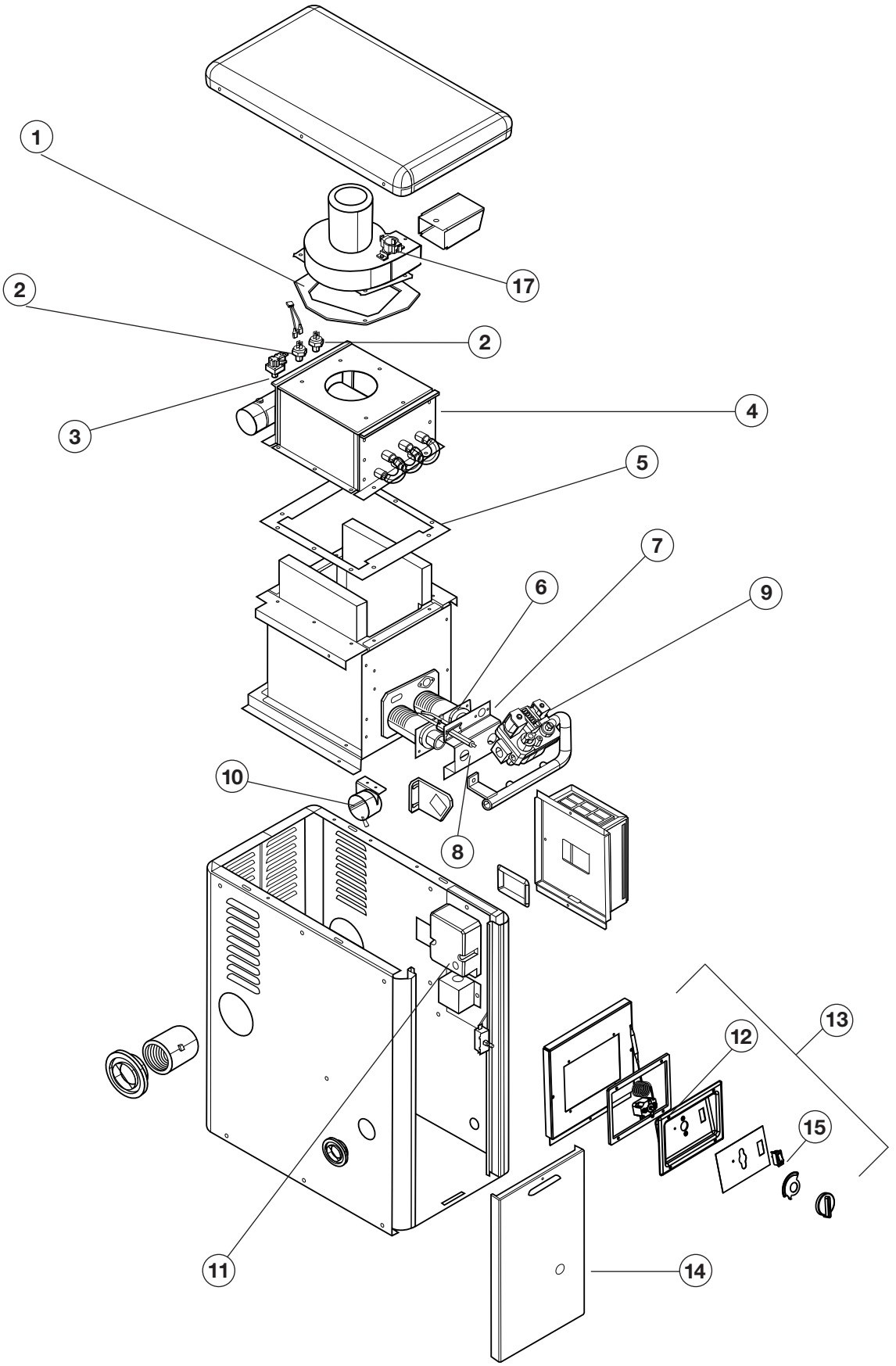


Parts Listing

Ref. No.	Part No. Natural Gas	Part No. Propane	Description	Ctn. Qty.	List Price
1	IDXLJKT1135		Jacket Top	1	**$156.74**
2	FDXLFCS1931		Flue Collector Side Panel with Temperature Limit	20	**95.09**
3	FDXLIAC1930		Igniter Access Cover	10	**65.64**
4	FDXLGSV0001	FDXLGSV0002	Gas Valve	10	**543.48**
5		FDXLGCKW135NP	Conversion Kit, NA to LP - 135K	1	**374.23**
	FDXLGCKW135PN		Conversion Kit, LP To NA - 135K	1	**Discont'd**
6	FDXLBWR1930		Combustion Blower	1	**515.56**
7	FDXLBVS1930		Blower Vacuum Switch	15	**73.62**
8	FDXLICB1930		Ignition Control Board	30	**722.72**
9	FDXLIGN1930		Ignitor	20	**183.58**
10	IDXLFLS1930		Flame Sensor	50	**138.86**
11	IDXLTRF1135		Transformer - 135K	10	**60.80**
12	FDXLWPS1931		Water Pressure Switch	25	**76.43**
13	IDXLBKP1135		Bezel and Keypad Assembly	20	**325.47**
14	FDXLHLI1930		High Limit Kit	25	**119.52**
15	FDXLTER1931		Thermistor	10	**88.15**
16	FDXLGSK1934		Gasket, CC Front/Air Box	25	**124.96**
17	FDXLHXA1150		Heat Exchanger Assembly - 135K	1	**2,358.08**
18	FDXLFHA1930		Inlet/Outlet Header Assembly	1	**505.70**
19	FDXLHDW1930		Header Hardware Kit	5	**93.53**
20	FDXLHMB1930		Header Mounting Base Kit	5	**96.02**
21	FDXLBPK1930		Bypass Cartridge Kit	5	**86.37**
22	FDXLCRN1930		Header Cartridge Retaining Nut	—	**Discont'd**
23	SPX4000FG		Drain Plug with Gasket	50	**9.03**
24	FDXLPRM1930		Return Manifold Kit	5	**122.86**
25	CHXPLG1930		3/4" Brass Plug	25	**42.90**
NOT SHOWN					
—	SPX3200UNKIT		Union Flange Kit (Includes Fittings, Union Nuts, and Gaskets)	10	**$91.76**
—	CHXRLV1930		Pressure Relief Valve	25	**149.54**
—	FDXLBRN1930		Burner *(Qty. 8)*	1	**658.47**
—	FDXLBRN1931		Burner *(Qty. 1)*	1	**88.97**
—	FDXLGSK1933		Insulation, Return Side Tube Sheet	25	**67.00**
—	FDXLFOR1930		Header O-Ring Kit	25	**55.08**
—	FDXLEGL1930		Exhaust Gas Temperature Limit	25	**49.13**
—	IDXLWHA1135		Wiring Harness Kit, Complete	5	**Discont'd**
—	IDXLGSK1135		Gasket Kit - 135K Heaters (Includes Flue Collector Side, Blower Mounting, Igniter Cover, Cover/Air Box Front, and Manifold/ Air Box Gaskets)	25	**76.91**

H-Series

Parts Diagram



Parts Listing

Ref. No.	Part No.	Description
1	IDXBLG1930**	Blower Gasket
	IDXBLG1931†	Blower Gasket
2	IDXHLK1930	Hi Limits, Kit
3	CZXPRS1105	Water Pressure Switch
4	IDXHXA1102†	Heat Exchanger Assembly
5	IDXGKT1930	Heat Exchanger Gasket
6	IDXBNR1930	Burner
7	IDXAGK1930	Burner Orifice and Air Orifice Bracket Kit – Natural
	IDXAGK1931	Burner Orifice and Air Orifice Bracket Kit – Propane
8	IDXIGN1930	Ignitor
9	IDXVAL1931	Gas Valve
10	IDXAPS1930	Air Pressure Switch
11	IDXMOD1930	Control Module with Ignitor
12	IDXTST1930	Thermostat
13	IDXCPA1100	Control Panel Assembly
14	IDXFAD1101*	Front Access Door
15	CHXTSW1930	On/Off Switch
16	IDXBLS1930**	Blower Switch
	IDXBLS1931†	Blower Switch

NOTES: *Used only on heaters made after January 2000, S/N 20A01209.
**Used only on heaters made before April 16, 2013, S/N 21131304101440001.
†Used only on heaters made after April 16, 2013, S/N 21131304101440001.

Heater Replacement Parts

Part Number	Part Description	List Price
CHXGEN1930	Pilot Generator All Millivolt	$134.33
CHXMSI1930	Clicklite Manual Spark Ignitor H-Series, CZ, HM2, CPS	Discont'd
CHXPRS1931	Pressure Switch	116.64
CHXPSA1930	Pressure Switch	41.48
CHXRLV1930	Relief Valve	149.54
CHXTBW1930	Thermostat Bulb Well, All Gas	58.78
CHXTRF1930	D/V Transformer CZ & HM2 Series	129.24
CHXTSK1930	Thermostat Knob	Discont'd
CHXTST1930	Thermostat without Knob	149.54
CHXTSW1930	On/Off Switch	41.00
CHXTSW1931	3-Way Toggle Switch CZ & HM2 Series	43.47
CZXCON3645	Contactor CSPA Xl 240 Volt Coil	347.92
CZXELE7623	Element 5500W 208/240V	146.59
CZXGKT7627	Element Gasket	27.07
CZXHLC3105	Hi Limit Spa Xl CSPA XI	174.77
CZXTNK6607	Tank CSPA XI	1,060.93
CZXTSK2003	Thermostat Knob Slip On – Replace with CZK	45.25
CZXTST3006	Thermostat Mears Electric	181.25
FDXLBBN1500	Blower Inlet Baffle – H500FD	68.47
FDXLBKP1930	Bezel & Keypad Assembly	190.63
FDXLBON1500	Burner Orifice Kit Natural Gas – H500FD Only	87.53
FDXLBOP1500	Burner Orifice Kit Propane Gas – H500FD Only	76.11
FDXLBON1930	Burner Orifice Kit Natural Gas – FD	89.65
FDXLBOP1930	Burner Orifice Kit Propane Gas – FD	89.65
FDXLBRN1930	Burner (Qty. 8)	658.47
FDXLBVS1930	Blower Vacuum Switch	73.62
FDXLBWR1500	Combustion Blower – H500FD Only	820.72
FDXLBWR1930	Combustion Blower – FD	515.56
FDXLCNK0001	Conversion Kit – NA to LP	419.11
FDXLCNK0002	Conversion Kit – LP to NA	419.11
FDXLFAD1500	Front Access Door Assembly – H500FD	406.24
FDXLFAD1500A	Front Door Assembly, Gray, ASME – H500FD	Discont'd
FDXLFHA1930	Header Assembly	505.70
FDXLFOR1930	Header O-Ring Kit	55.08

NOTE: If the part number you are looking for is not in this price book it is no longer available.

Heater Replacement Parts

Part Number	Part Description	List Price
FDXLFSK1930	Fuse Service Kit – FD	$69.71
FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty. 10)	47.54
FDXLFSKF15	Fuse Kit, 1.5A, for Field Wiring Panel (Qty. 10)	47.54
FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty. 10)	93.53
FDXLFWP1930	Field Wiring Panel – FD	155.54
FDXLGCKW250NP	Conversion Kit, NA to LP, Quick-Change – H250FD	389.38
FDXLGCKW250PN	Conversion Kit, LP to NA, Quick-Change – H250FD	389.38
FDXLGCKW300NP	Conversion Kit, NA to LP, Quick-Change – H300FD	332.19
FDXLGCKW300PN	Conversion Kit, LP to NA, Quick-Change – H300FD	391.25
FDXLGCKW350NP	Conversion Kit, NA to LP, Quick-Change – H350FD	383.94
FDXLGCKW350PN	Conversion Kit, LP to NA, Quick-Change – H350FD	383.94
FDXLGCKW400PN	Conversion Kit, LP to NA, Quick-Change – H400FD	394.99
FDXLGCKW400NP	Conversion Kit, NA to LP, Quick-Change – H400FD	394.99
FDXLGCK1500NP	Gas Conversion Kit, NA to LP, H500FD	456.57
FDXLGCK1500PN	Gas Conversion Kit, LP to NA, H500FD	1,282.85
FDXLGSK1930	Gasket Kit – Air Side (All Models)	135.92
FDXLGSK1931	Gasket Kit – Exhaust Side (All Models)	258.27
FDXLGSK1932	Gasket, Bezel/Top – FD	60.23
FDXLGSK1933	Insulation, Return Side Tube Sheet – FD	67.00
FDXLGSK1934	Gasket, CC Front/Air Box – FD (All Models)	124.96
FDXLGSV0001	Gas Valve Natural Gas – FD	543.48
FDXLGSV0002	Gas Valve Propane Gas – FD	543.48
FDXLGSV1500N	Gas Valve Natural Gas – H500FD Only	1,280.61
FDXLGSV1500P	Gas Valve Propane Only – H500FD Only	566.64
FDXLHDW1930	Header Hardware Kit	93.53
FDXLHLI1930	High Limit 135°F	119.52
FDXLHMB1930	Header Mounting Base Kit	96.02
FDXLHXA1150	Heat Exchanger Assembly – H150FD	2,358.08
FDXLHXA1200	Heat Exchanger Assembly – H200FD	2,377.90
FDXLHXA1250	Heat Exchanger Assembly – H250FD	2,425.47
FDXLHXA1300	Heat Exchanger Assembly – H300FD	2,531.09
FDXLHXA1350	Heat Exchanger Assembly – H350FD	2,809.64
FDXLHXA1400	Heat Exchanger Assembly – H400FD	3,011.90
FDXLHXA1500	Heat Exchanger Assembly – H500FD	3,556.06

NOTE: If the part number you are looking for is not in this price book it is no longer available.

Heater Replacement Parts

Part Number	Part Description	List Price
FDXLIAC1930	Ignitor Access Cover	$65.64
FDXLICB1930	Integrated Control Board – FD	722.72
FDXLIGN1930	Ignitor – FD	183.58
FDXLJKT1150	Jacket Top & Flue Cover – H150FD	Discont'd
FDXLJKT1200	Jacket Top & Flue Cover – H200FD	Discont'd
FDXLJKT1250	Jacket Top & Flue Cover – H250FD	Discont'd
FDXLJKT1300	Jacket Top & Flue Cover – H300FD	Discont'd
FDXLJKT1400	Jacket Top and Flue Cover – H400FD	Discont'd
FDXLPBL1930	Base Leg – FD	88.01
FDXLRGK1151	Rain Guard Assembly – H150FD	414.44
FDXLRGK1201	Rain Guard Assembly – H200FD	414.44
FDXLRGK1251	Rain Guard Assembly – H250FD	414.44
FDXLRGK1351	Rain Guard Assembly – H350FD	360.39
FDXLRGK1401	Rain Guard Assembly – H400FD	414.44
FDXLRGK1500	Rain Guard Assembly – H500FD	461.42
FDXLBTP1930	Trim Panel Kit	74.67
FDXLRTP1930	Right Trim Panel Kit	176.18
FDXLTDK1930	Tie-Down Kit – FD	133.74
FDXLTER1930	Thermistor	88.15
FDXLTER1931	Thermistor	88.15
FDXLTFC1200	Top/Flue Cover – H200FD	154.00
FDXLTFC1250	Top/Flue Cover – H250FD	192.49
FDXLTFC1300	Top/Flue Cover – H300FD	192.75
FDXLTFC1350	Top/Flue Cover – H350FD	212.46
FDXLTFC1400	Top/Flue Cover – H400FD	199.29
FDXLTFC1500	Top/Flue Cover – H500FD	254.93
FDXLVPS1930	Vent Pressure Switch, Indoor, 0–2,000 ft	112.70
FDXLVPS1931	Vent Pressure Switch, Indoor, 2,000–10,100 ft	178.62
FDXLWPS1930	Water Pressure Switch	76.43
FDXLWPS1931	Heater Pressure Switch – FD	76.43
HAXBON1931	Burner Orifice NA High Altitude	Discont'd
HAXBOP210	Burner Orifice, LP, H210 Only	Discont'd
HAXBRN1930	Main Burner – H Series	193.51
HAXCPA1932	Control Bezel Assembly	Discont'd
HAXCPA2150	Control Panel Assembly – 150 MV (after 5/98)	Discont'd

NOTE: If the part number you are looking for is not in this price book it is no longer available.

Heater Replacement Parts

Part Number	Part Description	List Price
HAXCPA2250	Control Panel Assembly – 250 MV (after 5/98)	**$434.04**
HAXCPA2300	Control Panel Assembly – 300 MV (after 5/98)	**558.92**
HAXCPA3153	Control Panel Assembly H150ED2	**Discont'd**
HAXCPA3203	Control Panel Assembly H200ED2	**Discont'd**
HAXCPA3353	Control Panel Assembly H350ED2	**Discont'd**
HAXCPA3403	Control Panel Assembly H400ED2	**Discont'd**
HAXDRV1930	Drain Valve Assembly	**138.86**
HAXFCT1930	Flow Control Thermostat	**120.97**
HAXFHA1931	Assembly, Front Header – H Series (after 10/28/00)	**847.40**
HAXFHD1930	Front Header Only	**371.77**
HAXFHD1931	Front Header Only (after 10/28/00)	**347.92**
HAXFOR1930	Flange O-Ring	**17.73**
HAXGSV0001	Gas Valve 150 – 400 NA MV	**1,016.93**
HAXGSV0003	Gas Valve 150 – 400 LP MV	**1,016.93**
HAXGSV0004	Gas Valve 150 – 400 LP DS	**914.70**
HAXGSV0005	Gas Valve 150 – 400 NA DS	**914.70**
HAXHLI1930	Hi-Limit 135°F	**86.25**
HAXHOR1930	Header O-Ring	**33.24**
HAXHXA1153	Heat Exchanger Assembly – H150	**2,540.58**
HAXHXA1203	Heat Exchanger Assembly – H200	**2,861.32**
HAXHXA1210	Heat Exchanger Assembly – H210	**2,668.35**
HAXHXA1253	Heat Exchanger Assembly – H250	**3,329.78**
HAXHXA1303	Heat Exchanger Assembly – H300	**3,497.22**
HAXHXA1353	Heat Exchanger Assembly – H350	**3,717.09**
HAXHXA1403	Heat Exchanger Assembly – H400	**4,053.49**
HAXIGN1931	Ignitor	**187.17**
HAXMOD1930	Control Module	**Discont'd**
HAXNIP1930	Union Connector	**97.35**
HAXNUT1930	Union Nut	**45.79**
HAXPLT1931	Pilot, NA MV PSE-NA15	**392.72**
HAXPLT1932	Pilot, LP MV PSE-LP15	**392.72**
HAXPNT1930	Touch-up Paint, H-Series	**132.54**
HAXPSA1930	Pressure Switch Assembly Kit	**142.26**
HAXRSA1930	Roll Out Switch Kit	**156.50**
HAXTST1930	Thermostat with Knob	**151.46**

NOTE: If the part number you are looking for is not in this price book it is no longer available.

Heater Replacement Parts

Part Number	Part Description	List Price
HAXWHA0001	Wire Harness MV Front H	**$263.03**
HAXWHA0003	Wire Harness DS Rear H	**74.74**
HAXWHA0006	Wire Harness Rear, ID Series	**329.75**
HAXWHA0007	Rear Wire Harness	**329.75**
HAXWHA0008	Main Wire Harness	**269.52**
HMXHLI2932	Immersion Hi Limit Rear Header 160° HM	**86.25**
IDXAPS1930	Air Pressure Switch	**183.63**
IDXBLG1930	Blower Gasket	**40.97**
IDXBRG1930	Burner Gasket	**23.36**
IDXCNK1933	Conversion Kit, Natural to Propane, H100	**127.76**
IDXFAD1101	Front Access Door (after S/N 20A01209)	**Discont'd**
IDXHLK1930	Hi-Limit Kit	**303.18**
IDXHXA1102	Heat Exchanger Assembly	**Discont'd**
IDXIGN1930	Ignitor	**210.45**
IDXKIT1930	Consumer Kit	**117.63**
IDXL2BVS1930	Blower Vacuum Switch	**115.84**
IDXL2DB1930	Display Board Only – FD & IDL2	**653.12**
IDXL2FSB1930	Fuse Board	**Discont'd**
IDXL2FSK1930	Complete Set of Fuses	**93.36**
IDXL2ICB1931	Integrated Control Board	**659.74**
IDXL2IGN1930	Silicone Nitride Ignitor	**217.78**
IDXL2SNT1930	Silicon Tube 2.5	**103.33**
IDXL2TRF1930	Transformer	**269.71**
IDXL2VPS1930	Vent Pressure Switch	**164.29**
IDXLBVS1930	Blower Vacuum Hitch	**115.84**
IDXLBWR1930	Combustion Blower – 240V	**Discont'd**
IDXLBWR1931	Combustion Blower – 120V	**Discont'd**
IDXLCPA1930	Control Panel Assembly	**Discont'd**
IDXLFLS1930	Flame Sensor	**138.86**

NOTE: If the part number you are looking for is not in this price book it is no longer available.

Heater Replacement Parts

Part Number	Part Description	List Price
IDXLIGN1930	Ignitor – 240V	**$277.22**
IDXLVPS1930	Vent Pressure Switch	**185.98**
IDXMOD1930	Ignition Module	**834.54**
IHXILS1930	Interlock Switch – 240V	**Discont'd**
IHXMOD1931	Control Module	**878.83**
IHXTRF1930	Transformer – 240V	**Discont'd**
UHXFSW1930	Water Flow Switch Kit	**873.29**
UHXTFP1930	Water Flow Switch & Temp Pressure Gauge Kit	**1,128.05**
UHXPOSHZ14008	Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal)	**999.71**
UHXNEGVT15008	Indoor Vent Adapter Kit, H500FD, Negative-Pressure (Vertical)	**631.06**
UHXPOSHZ11506	Indoor Vent Adapter Kit, H150FD, Positive-Pressure (Horizontal)	**847.59**
UHXPOSHZ12006	Indoor Vent Adapter Kit, H200FD, Positive-Pressure (Horizontal)	**871.13**
UHXPOSHZ12506	Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal)	**870.19**
UHXPOSHZ13008	Indoor Vent Adapter Kit, H300FD, Positive-Pressure (Horizontal)	**947.10**
UHXPOSHZ13508	Indoor Vent Adapter Kit, H350FD, Positive-Pressure (Horizontal)	**981.81**
UHXNEGVT14008	Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical)	**482.91**
UHXPOSHZ15006	Indoor Vent Adapter Kit, H500FD, Positive-Pressure (Horizontal)	**1,155.59**
UHXNEGVT11506	Indoor Vent Adapter Kit, H150FD Negative-Pressure (Vertical)	**388.67**
UHXNEGVT12006	Indoor Vent Adapter Kit, H200FD Negative-Pressure (Vertical)	**412.29**
UHXNEGVT12506	Indoor Vent Adapter Kit, H250FD Negative-Pressure (Vertical)	**411.35**
UHXNEGVT13008	Indoor Vent Adapter Kit, H300FD Negative-Pressure (Vertical)	**430.21**
UHXNEGVT13508	Indoor Vent Adapter Kit, H350FD Negative-Pressure (Vertical)	**465.04**
UHXNEGVT14008	Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical)	**482.91**
UHXPOSHZ11506	Indoor Vent Adapter Kit, H150FD, Positive-Pressure (Horizontal)	**847.59**

NOTE: If the part number you are looking for is not in this price book it is no longer available.

PERFECT DEGREE OF COMFORT.

HEATPRO® MCHX SERIES: HEAT AND HEAT+CHILL PUMPS

Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature.

If you are looking to warm your water to extend swim season, cool your water in warm or arid climate conditions, or chill your water down to 40ºF for a cold plunge, we have the ideal lineup including three heat only options and three heat+chill options.

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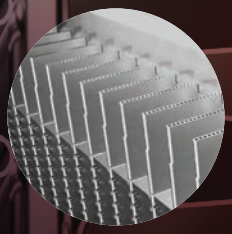

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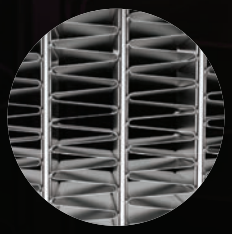
TCP coating developed by Naval Air Command for durability in the harshest climates.



ROBUST COIL STRUCTURE.
Protects against fin damage during installation and outdoor impacts.

CHILLS DOWN TO 40°F FOR COLD PLUNGES

Chills to low temperatures so you can get all the benefits out of your next cold plunge.*

COOLS FOR PERFECT TEMPERATURE

Ideal for warm or desert climates with 30% increased cooling capacity compared to competitive technology.*

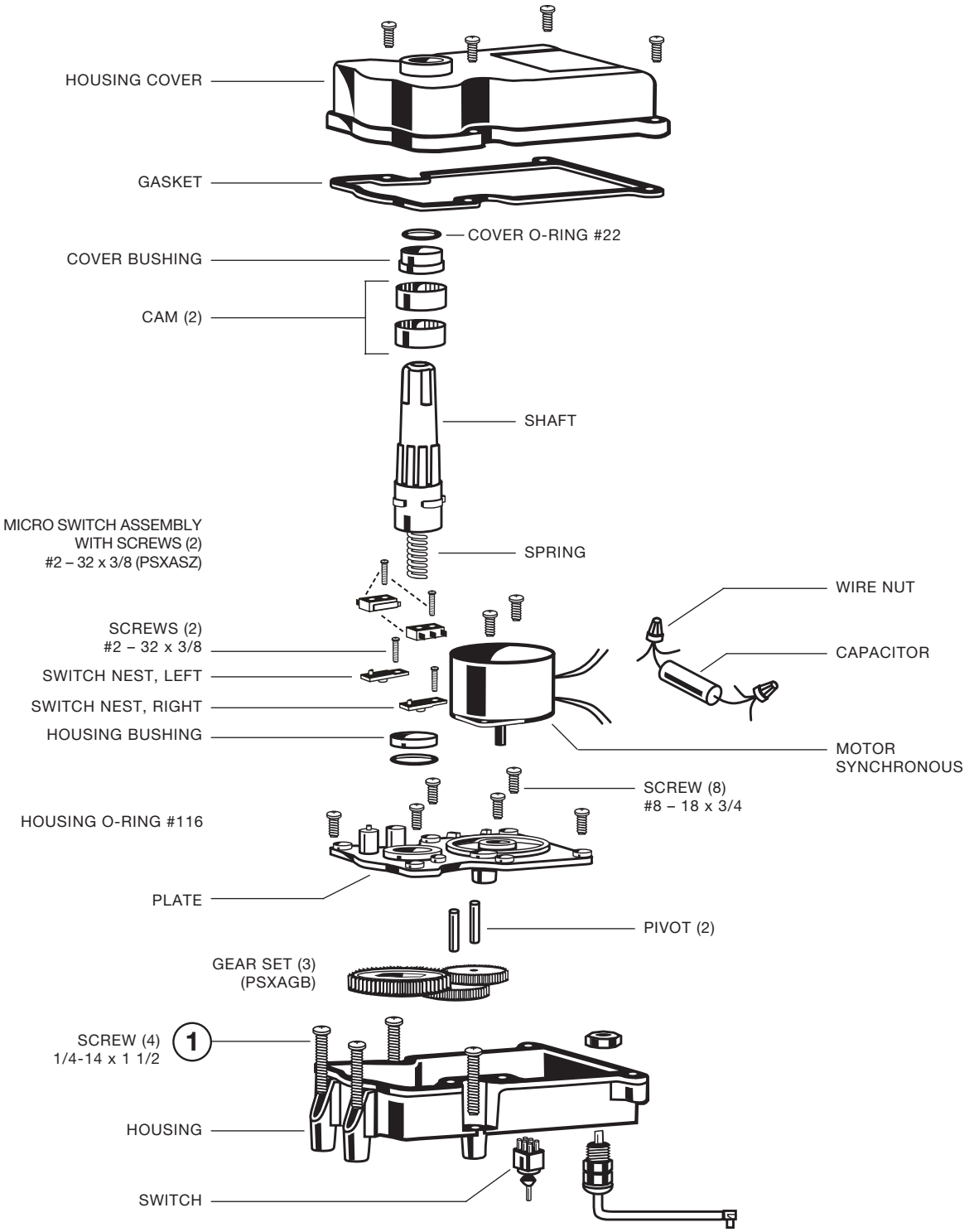
WARMS TO EXTEND SWIM SEASON

Extend swim season with improved heating capacity below 50°F using our patent pending defrost algorithm.

*Only available on Heat+Chill models.

Actuator

Parts Listing



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	GLX-GVA-4SCR	Mounting Screws *(Set of 4)*	8	1	**$39.17**

OMNILOGIC® AND OMNIPL® (PRE 2022)

Part No.	Description	List Price
HLRELAY	OmniLogic Relay	$179.89
HLX-CRADLE	Omni Remote Replacement Charging Cradle	177.03
HLX-LCD	LCD without MSP, Replacement, OmniLogic	252.39
HLX-LCD0520	LCD without MSP, Replacement, OmniLogic (5/20 or newer)	252.39
HLX-DSP-MOUNT	OmniLogic Replacement Display Mount	74.35
HLX-EXP-DSP	OmniLogic Expansion Panel Display	1,276.06
HLX-LOC-DSP	OmniLogic Replacement Local Display	1,555.60
HLXDSPKIT	OmniLogic Retrofit Kit	3,225.57
HLX-PCB-MAIN	OmniLogic Replacement Main Control Board	2,243.05
HLXCONNKIT	Kit, Replacement, Connectors	55.15
HLXPLCONTROL	OmniPL Replacement Controller	1,345.44
HLXBRIDGEPCB	Controller Bridge Board (sold separately)	44.81
HLX-PCB-TCELL	T-Cell PCB Board	231.30
HLX-PSUPPLY	Power Supply Assembly	1,028.85
HLX-TRNSFMR	OmniLogic Transformer	441.23
HLXSTYLUS5PK	Replacement Stylus *(5 pack)*	199.92
HLXUSB5PK	Replacement USB *(5 pack)*	277.26
HLXLATCH	OmniLogic Replacement Door Latch	45.58
HLXBRACKET	OmniLogic Replacement Mounting Brackets	46.95
HLXDEADFRONT	OmniLogic Replacement Deadfront	195.94
HLXDEADFRONT2	OmniLogic Replacement Deadfront	195.94
HLXDOOR	OmniLogic Replacement Door	231.70
HLXFANKIT	OmniLogic Replacement Fan Kit	114.69
HLXPL485100	OmniPL RS485 Extension 100 ft.	655.11

NOTE: Mobile phone and tablet not included with OmniLogic.

OmniLogic Pool and Spa Automation System

OMNIPL (2023 OR LATER)

Part No.	Description	List Price
HLXPLFRONT	Replacement, Deadfront	$176.84
GLXS3PLXFMR	Replacement, Transformer	431.68
HLXPLCABLEKIT	Replacement, Cablekit, Retrofit	95.49
HLXPLPCBMAIN	Replacement, PCBA	2,019.22
HLX-PCB-MAIN	OmniLogic Replacement Main Control Board	2,243.05

OmniPL

OMNIHUB®

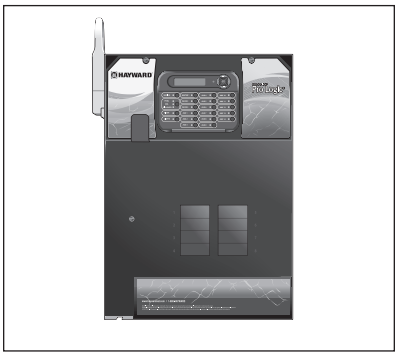
Part No.	Description	List Price
HLHCONTROL	OmniHub®/VS Omni® Replacement Controller	$1,115.34
HLXDCOVER	Replacement, Sun Cover	49.01
HLXDLCD	Replacement, LCD Display	343.34
HLXDSPCASE	Replacement, Display Case	104.16
HLXHIOPCB	Replacement, OmniHub PCB	403.36
HLXHUBCASE	Replacement, Hub Case	126.13
HLXHW5PK	Replacement, OmniHub Hardware *(5 pack)*	49.01
HLXJBOX	Replacement, J-Box	46.74
HLXRLYLABL	Replacement, Relay Label	86.81
HLXWHIP6	Replacement, Omni® 6 ft. Whip	115.97
HLX485RELAY	Replacement, Smart Relay	520.95
HLX485100	Replacement, RS485 100 ft. Extension	274.15

OmniHub wiring base unit, smart relay, and control pad

OMNI X™

Part No.	Description	List Price
VSPOMNIX	OmniX Module 400/600/800 VSP	$349.96
W3GATEWAYX1	OmniX Gateway	315.15

Automation & Sanitization



ProLogic

PROLOGIC®, AQUALOGIC®

Part No.	Description	List Price
GLX-PCB-PRO*	Main PCB, ProLogic	$1,975.21
HLPROUPG	OmniLogic Retrofit Kit with App	2,874.67
GLX-PL-LOC-P-4	Display, Local, ProLogic, P-4	1,073.76
GLX-PL-LOC-PS4	Display, Local, ProLogic, PS-4	1,596.15
GLX-PL-LOC-PS8	Display, Local, ProLogic, PS-8	1,683.19
GLX-PCB-EXP	PCB-PS-16 Expansion Unit	1,770.87
HLX-CRADLE	Charging Cradle, Replacement	177.03
AQL2-BASE-RF	Base Station, Wireless	601.10
AQL2-TW-RF-PS-4	Wireless Remote, Tabletop, PS-4, White	1,568.63
AQL2-TW-RF-PS-8	Wireless Remote, Tabletop, PS-8, White	1,699.31
AQL2-WW-PS-4	Wired Remote, Wall Mount, PS-4, White	967.18
AQL2-WW-PS-8	Wired Remote, Wall Mount, PS-8, White	1,084.96
GLX-STDOFFPAK20	Display Standoff (*Pack of 20*)	30.98
GLX-ACT-CONN	Actuator Connector	23.32

NOTE: *For units produced after October 2008.

E-Command 4

E-COMMAND®, E-COMMAND 4

Part No.	Description	List Price
GLX-PCB-HPC-4	Main PCB, E-Command 4	$1,559.59
HLPROUPG	OmniLogic Retrofit Kit with App	2,874.67
GLXS3PLXFMR	Replacement, Transformer, OmniPL	431.68
GLX-LOCAL-P-4	Display, Local, E-Command	667.43
GLX-PL-LOC-P-4	Display, Local, E-Command 4	1,073.76

ONCOMMAND®

Part No.	Description	List Price
GLX-PCB-ONCOM	Main PCB, OnCommand	$1,559.59
GLX-LOC-ONCOM	Display, Local, OnCommand	877.16

OnCommand

AQUALOGIC

Part No.	Description	List Price
GLX-PCB-MAIN	Main PCB, AquaLogic	$1,803.68
HLPROUPG	OmniLogic Retrofit Kit with App	2,874.67
GLX-PCB-EXP	PCB, Expansion Unit for PS-16	1,770.87
GLX-LOCAL-P-4	Display, Local, P-4	667.43
GLX-LOCAL-PS-4	Display, Local, PS-4	1,291.40
GLX-LOCAL-PS-8	Display, Local, PS-8	1,349.40
AQL2-BASE-RF	Wireless Antenna for AquaLogic	601.10
GLX-STDOFFPAK20	Display Standoff *(Pack of 20)*	30.98
GLX-ACT-CONN	Actuator Connector	23.32

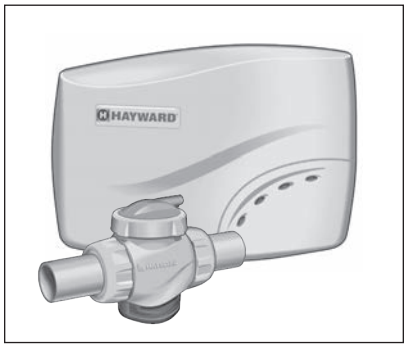
AQUAPLUS®

Part No.	Description	List Price
GLX-PCB-PRO	Main PCB, AquaPlus	$1,975.21
HLPROUPG	OmniLogic Retrofit Kit with App	2,874.67
GLX-PL-LOC-P-4	Display, Local, AquaPlus	1,073.76

AquaPlus

SALT & SWIM® 3C

Part No.	Description	List Price
W3SAS-CELL	Salt & Swim 3C Replacement Cell	$939.72
GLX-CTL-DIY	Salt & Swim 3C Control Box	1,575.87
GLX-DIY-CABLE	Salt & Swim 3C Replacement Cell Cable	171.68
GLX-DIY-VESSEL	Salt & Swim 3C Replacement Vessel	338.15
GLX-DIY-CCN15	1.5" Ring, Collar and Nut Set	Discont'd
GLX-DIY-CCN2	2" Ring, Collar and Nut Set	140.86
GLX-DIY-CUP	Cell Cleaning Cup	Discont'd
GLX-DIY-ORING	O-Ring for Salt Cell	45.87
GLX-DIY-UNION	Salt & Swim 3C Pro Union Kit	93.42
GLXAQR100CCABLE	Replacement Cell Cable, AQR100	203.70
GLXAQR100CTL	Replacement Controller, AQR100	1,448.48
GLXAQR100DOOR	Replacement Door, AQR100	54.25
GLXAQR100PCB	Replacement PCB, AQR100	402.85
GLXAQR100PCORD	Replacement Power Cord, AQR100	134.80
GLXAQR100VESNUT	Replacement Vessel Nut, AQR100	36.22
GLXAQR100VESSEL	Replacement Vessel without Cell, AQR100	113.18
GLXAQR100XFMR	Replacement Transformer, AQR100	407.40



Salt & Swim 3C

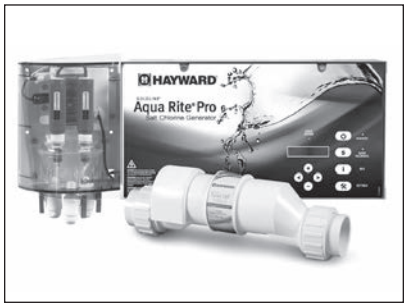
S3 REPLACEMENT

Part No.	Description	List Price
GLXS3PLXFMR	Replacement, Transformer, AQRS3	$431.68
GLXS3DISPLAY	Replacement, Display, AQRS3	263.83
GLXS3FUSE	Replacement, Fuses, AQRS3	20.26
GLXS3HANDLE	Replacement, Handle, AQRS3	25.29
GLXS3OMNIPCB	Replacement, PCBA, AQRS3 OMNI	649.37
GLXS3PCB	Replacement, PCBA, AQRS3	803.55
GLXS3PLXFMR	Replacement, Transformer, S3 OmniPL	431.68
GLXS3RELAY	Replacement, Relay, AQRS3	77.07

AquaRite S3

AQUARITE® PRO

Part No.	Description	List Price
GLX-CTL-AR-PRO	Control Unit, AquaRite Pro	$3,215.10
GLX-PCB-AR-PRO	Main PCB, AquaRite Pro	1,893.25
GLX-AR-PRO-MEM	Display, Membrane Key Pad, Dead Front	834.27



AquaRite Pro

Automation & Sanitization

AquaRite

AQUARITE®

Part No.	Description	List Price
GLX-CTL-RITE	Control Unit, AquaRite	**$2,593.73**
GLX-PCB-RITE	Main PCB, AquaRite	**812.84**
GLX-PCB-DSP	Display PCB, AquaRite	**340.81**
GLX-FLO-RPPAK10	Replacement Flow Switch *(Pack of 10)*	**1,594.00**
GLX-FLO-RP	Replacement Flow Switch – 15' cable (no tee)	**320.12**
GLX-FLO-RP-25	Replacement Flow Switch – 25' cable (no tee)	**300.71**
GLX-FLO-T	Flow Switch Tee	**56.56**
GLX-XFMR	Transformer	**481.97**
GLX-F20-10PK	20 Amp Glass Fuse *(10 pack)*	**122.91**
GLX-F20A-10PK	20 Amp Yellow Fuse *(10 pack)*	**152.08**
GLX-CELLSTAND	Salt Cell Cleaning Stand	**77.81**
GLX-CELL-UNION	Salt Cell Union – Tailpiece, Nut and O-Ring	**58.56**
GLX-CELL-PIPE	Salt Cell Placeholder	**110.04**
GLX-SALTMETER	Handheld Digital Salt Meter	**481.54**
GLX-STDOFFPAK20	Display Standoff *(Pack of 20)*	**30.98**

Sense and Dispense

SENSE AND DISPENSE®

Part No.	Description	List Price
GLX-PROBE-ORP	Probe, ORP Replacement	**843.06**
GLX-PROBE-PH	Probe, pH Replacement	**816.18**
GLX-SD-ELEC-MOD	Sense and Dispense Electronics Module	**845.63**
GLX-SD-FLOW*	Flow Cell, Sense and Dispense only	**445.99**
GLX-WINTER-KIT	Kit-Replacement, Winterizing	**119.21**

NOTE: *This SKU replaces GLX-FLOW-CELL

AquaTrol

AQUATROL®

Part No.	Description	List Price
GLX-CTL-TR-HP	Control Unit, AquaTrol – HP, straight blade	**$1,912.45**
GLX-CTL-TR-RJ-T	Control Unit, AquaTrol – RJ, twist lock	**Discont'd**
GLX-RJ-ELBOW	Fitting, Return Jet	**117.06**
GLX-TROL-TIMER	24 hour Timeclock	**181.52**
GLX-PCB-TROL-RJ	Main PCB, AquaTrol RJ	**818.98**
GLX-PCB-TROL-HP	Main PCB, AquaTrol HP	**818.98**
GLX-CELL-5	TurboCell®, 20K gallons	**1,353.08**
TCELLS318	TurboCell S3 Salt Cell 18K gallons, clear cell	**1,289.20**

NOTE: TurboCell Replacements available – see page 92.

HYDRORITE® UV

Part No.	Description	List Price
GLX-HYDCTLUVO	Controller, UV/Ozone	**Discont'd**
GLX-HYDVESSUVO	Vessel Body, UV/Ozone with Unions	**$3,098.35**
GLX-HYDXFMR	Power Tranformer	**447.66**
GLX-HYDPCB	Interconnect PCB	**1,294.72**
GLX-HYDFUSE	PCB Fuse Kit *(Quantity of 10)*	**56.75**
GLX-HYDBALLAST	Ballast with Cable Harnesses	**1,148.49**
GLX-HYDSLEEVE	Stainless Steel Sleeve with 0-Ring	**Discont'd**
GLX-HYDMAN	Ozone Manifold and Interlock Switch	**327.22**
GLX-HYD-LAMPUVO	Residential Lamp, Ozone Producing	**493.40**
GLX-HYDVENKIT	Venturi Tube Kit	**404.45**
GLX-HYDVEN	2" Venturi, Residential	**1,015.66**
ECX12S	2" PVC Pipe Connector Socket	**83.65**
ECX12T	2" PVC Pipe Connector Threaded	**76.44**
TBX122	2" PVC Union Nut	**54.91**
BSX1CAP2	2" PVC Port Cap	**74.24**
BSX1PLUG2	PVC Vessel Drain Plug	**58.43**
SB2KIT	Vessel O-Ring Kit	**67.94**
GVA-24	Valve Actuator	**412.36**
PSV3S2	3-Port Diverter Valve	**141.16**

AQUACONNECT®

Part No.	Description	List Price
GLX-HOMENET-PS	Replacement Power Supply for AQ-CO-HOMENET	**$127.91**

Automation & Sanitization

SALT CHLORINATOR CELLS (for AquaRite®, AquaRite® Pro, AquaPlus®, ProLogic®, AquaLogic®)

Part No.	Description	List Price
CCELL	AQR100 Replacement Cell, 30K gallons, 3 year warranty	$1,493.37
GLX-CELL-3-W	TurboCell®, 15K gallons, 1 year warranty	1,045.55
GLX-CELL-5-W	TurboCell, 20K gallons, 1 year warranty	1,426.04
GLX-CELL-9-W	TurboCell, 25K gallons, 1 year warranty	1,659.26
GLX-CELL-15-W	TurboCell, 40K gallons, 1 year warranty	2,297.35
TCELL925-W	Warranty Cell for TCELL925, 1 year warranty	1,705.31
TCELL940-W	Warranty Cell for TCELL940, 1 year warranty	2,297.25
GLX-CELL-PIPE	Straight Pipe Placeholder for TurboCell	110.04
GLX-CELL-UNION	2" Cell Union Kit (1 each of nut, tailpiece, O-Ring)	58.56
GLX-CELL-5	TurboCell, 20K gallons, 3 year warranty	1,353.08
GLX-CELLSTAND	Cleaning Stand for TurboCells	77.81
GLX-UNION-ORING	TurboCell Union O-Ring *(pack of 12)*	31.78
TCELLS315W	TurboCell S3 Salt Cell, 15K gallons, Warranty Replacement	913.26
TCELLS318W	TurboCell S3 Salt Cell, 18K gallons, Warranty Replacement	1,289.20
TCELLS325W	TurboCell S3 Salt Cell, 25K gallons, Warranty Replacement	1,556.47
TCELLS340W	TurboCell S3 Salt Cell, 40K gallons, Warranty Replacement	2,107.79

COMMON REPLACEMENT PARTS

Part No.	Description	List Price
GLX-DRK	Rectifier Upgrade	$143.41
GLX-FLO-RPPAK10	Replacement Flow Switch *(Pack of 10)*	1,594.00
GLX-FLO-RP	Flow Switch (15' cable, no tee)	320.12
GLX-FLO-RP-25	Flow Switch (25' cable, no tee)	300.71
GLX-FLO-T	Tee for Flow Switch	56.56
GLX-XFMR	Transformer	481.97
HLX08A10PK	Fuse Kit, 8A *(10 pack)* (for use with OmniLogic®)	129.14
HLX-F4A-10PK	Kit-Fuse, 4A, 5X20MM, GLASS *(10 pack)*	134.80
GLX-F4A-PAK10	Fuse Kit, 4A/Pink *(10 pack)* (for use with OmniLogic)	133.52
GLX-F5A-PAK10	Fuse Kit, 5A/Brown *(10 pack)* (for use with OmniLogic)	137.27
GLX-F20-10PK	Fuse Kit, 20A *(10 pack)* (for AquaRite/Trol before 11/04)	122.91
GLX-F20A-10PK	Fuse Kit, 20A/yellow *(10 pack)* (all AquaLogic/Rite/Trol after 11/04)	152.08
GLX-F3A-10PK	Fuse Kit, 3A/violet *(10 pack)* (AquaLogic only)	152.08
GLX-PC-12-KIT	Temperature Sensor with 15' leads and hose clamp	115.33
GLX-RF-EXTEND	AQL2-BASE-RF extension 50'	288.66
GLX-RELAY	Relay, 3 H.P.	238.17
GLX-PWR-B	Power Supply, wall plug-in, for wireless remote – X = B (Black)	97.86
GLX-GVA-4SCR	Screws (4) for mounting GVA-24 Valve Actuator	39.17
GLX-FLO	Flow Switch (15' cable with tee)	301.40
GLX-FLO-25	Flow Switch (25' cable with tee)	345.76

COMMON REPLACEMENT PARTS (CONT.)

Part No.	Description	List Price
GLX-OUTLET-15A	120V/15 amp Pump Outlet	$135.76
GLX-CELLTST-STD	Stand for Cell Tester	1,141.79
GLX-CELL-TESTER	Tester for all TurboCell Electrolytic Cells	2,180.18
GLX-STDOFFPAK20	Display Standoff *(Pack of 20)*	30.98
GLX-ACT-CONN	Actuator Connector Plug Kit	23.32

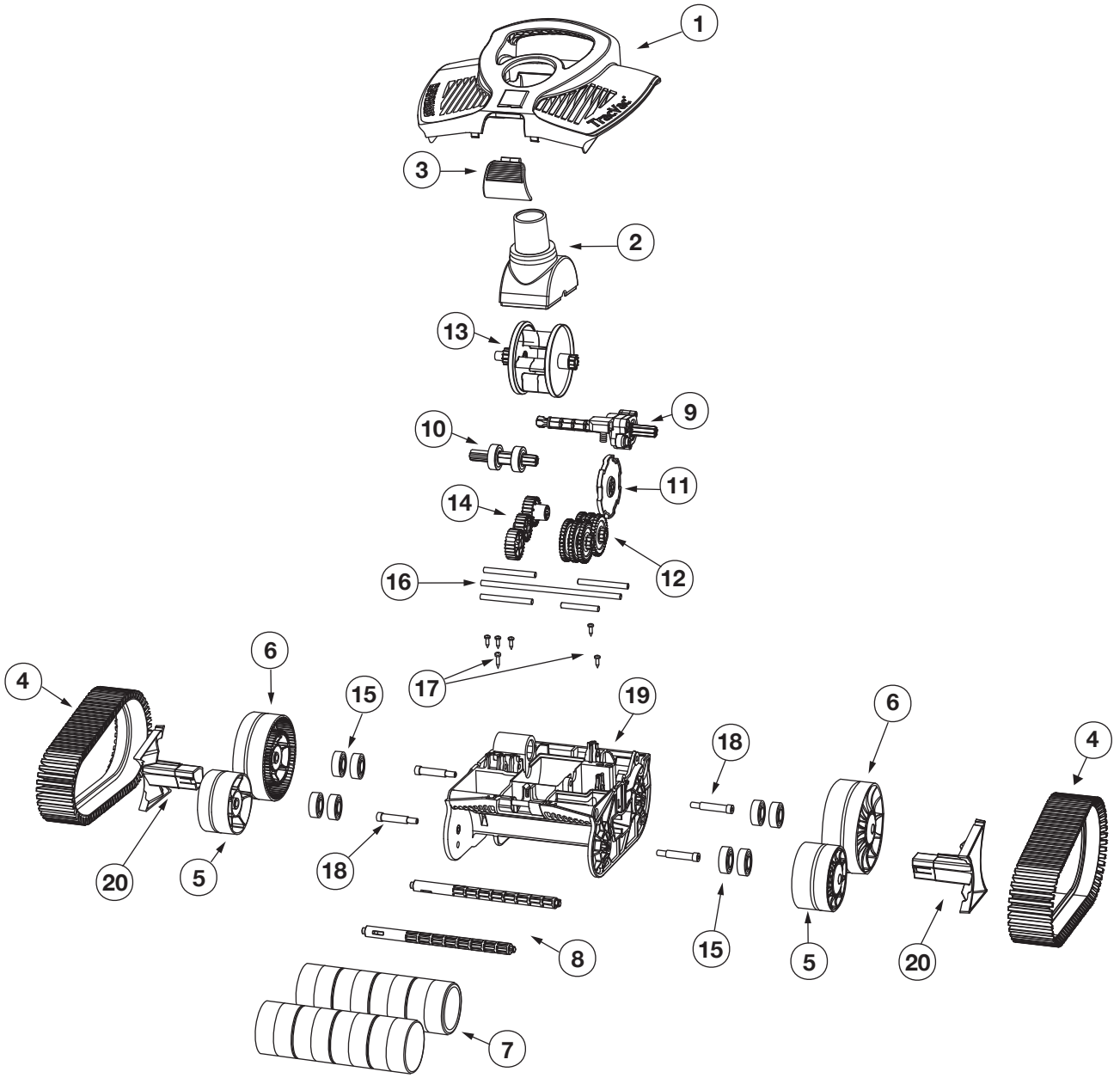
HYDRAPURE® SPARE PARTS

Part No.	Description	List Price
005422901700	Lamp UV (1 piece)	Discont'd
005422901500	Lamp UV (2 piece) with Boot and O-Ring	$208.81
005422510200	Nut and Washer UV	Discont'd
005422200909	Quartz Tube with O-Ring and Cushion	Discont'd
005422427100	Boot F/2 Lamp	Discont'd
005422510300	Seal Kit Quartz Tube	Discont'd
005952123000	Lamp Only (1 piece) O3	Discont'd
005252829000	Check Valve Swing 5 lbs. with Springs, No Body	Discont'd
005952125000	Tubing 3/8 x 24 Flexelene	32.41
005252164000	Plug 2" with O-Ring Pack	Discont'd
005402250600	Check Valve 2 lbs. 1/4 NPT x 3/8 Comp	108.01
005401250300	Check Valve 3 lbs. 1/4 NPT x 3/8 Comp	Discont'd
005401250400	Check Valve 4 lbs. 1/4 NPT x 3/8 Comp	108.01
005402250500	Check Valve 1 lb. 1/4 NPT x 3/8 Comp	108.01
005952291500	Plug Drain 1/2" with O-Ring Pack	12.93
005952832500	Screw Panel/Lid (16 + 4 Pack)	4.94
005252832000	Union 2.5 Kit (1 piece) with O-Ring	Discont'd
005252831500	Oring 2-232 F/ 2.5" Union *(Pack of 4)*	Discont'd
005952140100	Lid Top with Membrane Switch and Screws	232.79
005952147100	Cable Ribbon F/Membrane Switch	Discont'd
005952157000	Ballast with Wires, Ozone	195.36
005422386500	Ballast with Wires, UV	Discont'd
005952150100	Board with Tubes and Sensor	Discont'd
005952158100	Wire Harness	Discont'd

HYDRAPURE® 2.0 SPARE PARTS

Part No.	Description	List Price
HYDRACORDKIT	Kit, Conversion, 120V Corded	$69.15
HYDRASCREWPK	Screw Pack Replacements	4.42
HYDRAMEMBRANE	Membrane Switch + Ribbon Cable Replacement	184.93
HYDRAORINGS	O-Ring Kit *(All Pieces)*	46.23
HYDRAPCBA	Board with Tubes and Sensor	369.88
HYDRAHARNESS	Wire Harness	88.16
HYDRACHKVLVHBP	Valve High Bypass	70.57
HYDRACHKVLVBP	Bypass Butterfly Check Valve and Spring	13.97
HYDRACHKVLV2	Check Valve 2 lb.	77.07
HYDRACHKVLV3	Check Valve 3 lb.	77.07
HYDRACHKVLV4	Check Valve 4 lb.	77.07
HYDRACHKVLVOEM	Check Valve 1.5 lb. OEM	14.69

Parts Diagram

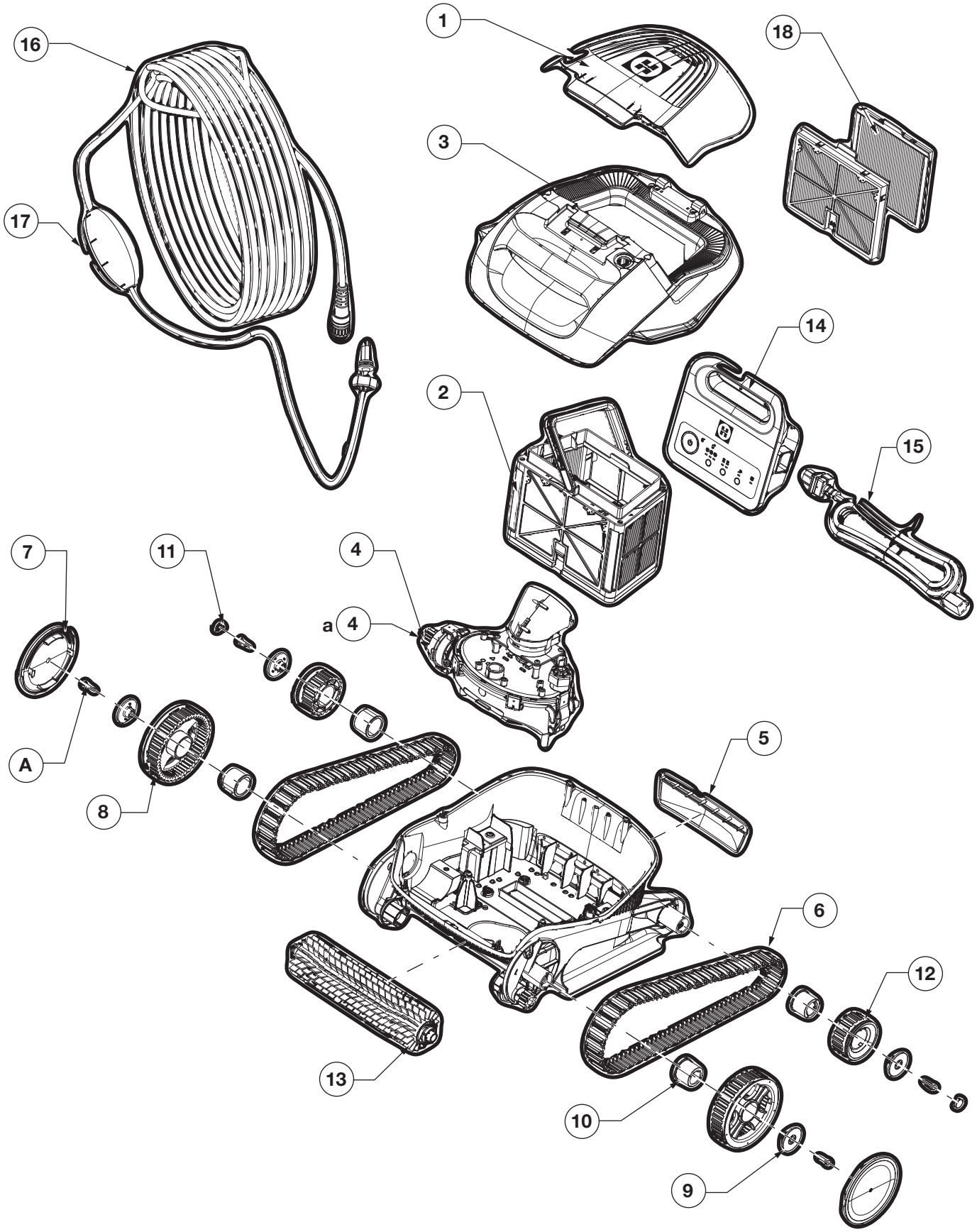


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HSXTV100	Top Cover Kit (Top Cover including Handle and Balancing Weights)	1	**$162.98**
2	HSXTV101	Turbine Cover Swivel Kit (Turbine Cover/Swivel)	1	**38.36**
3	HSXTV102	Buckle/Latch Kit	1	**64.51**
4	HSXTV103	Track Kit *(Set of 2)*	1	**61.70**
5	HSXTV104	Front Small Wheel Kit – Includes bearings and mushroom insert *(Set of 2)*	1	**92.12**
6	HSXTV105	Rear Large Wheel Kit – Includes bearings and mushroom insert *(Set of 2)*	1	**98.05**
7	HSXTV106	Roller Kit (Set of 4 rollers)	1	**24.02**
8	HSXTV107	Roller Bar Kit *(Set of 2)*	1	**27.19**
9	HSXTV108	Left Drive Kit (Long Drive Shaft and Bearing Housing)	1	**53.08**
10	HSXTV109	Right Drive Kit (Short Drive Shaft and 2 bearings)	1	**37.34**
11	HSXTV110	Cam Kit (Cam and 1 Reduction Gear)	1	**21.74**
12	HSXTV111	Cam Reduction Gear Kit (5 Reduction Gears and SS Shaft)	1	**25.33**
13	HSXTV112	Turbine Kit (Just the Turbine)	1	**24.60**
14	HSXTV113	Drive gear Kit (3x Drive Side Gears)	1	**21.11**
15	HSXTV114	Bearing Kit *(Set of 8)*	1	**49.30**
16	HSXTV115	SS Shaft Kit (5x)	1	**68.05**
17	HSXTV125	SS Screw Kit (6x Internal SS Shaft Screws)	1	**29.61**
18	HSXTV117	Wheel Screw Kit (4x SS Screws for the Wheels)	1	**32.15**
19	HSXTV118	Chassis Kit (Chassis with Balancing Weights and Latch Spring installed)	1	**251.14**
20	HSXTV119	Side Covers (2x), Left-Right	1	**45.05**
—	HSXTV120	Accessory Kit – Includes Flow Regulator Valve, Regulator Cap, Flow Gauge, Hose Cone Adapter and Hose Clip	1	**58.82**
—	HSXTV121	Float Kit (2 floats)	1	**39.28**

R110 Robotic Pool Cleaner

Parts Diagram

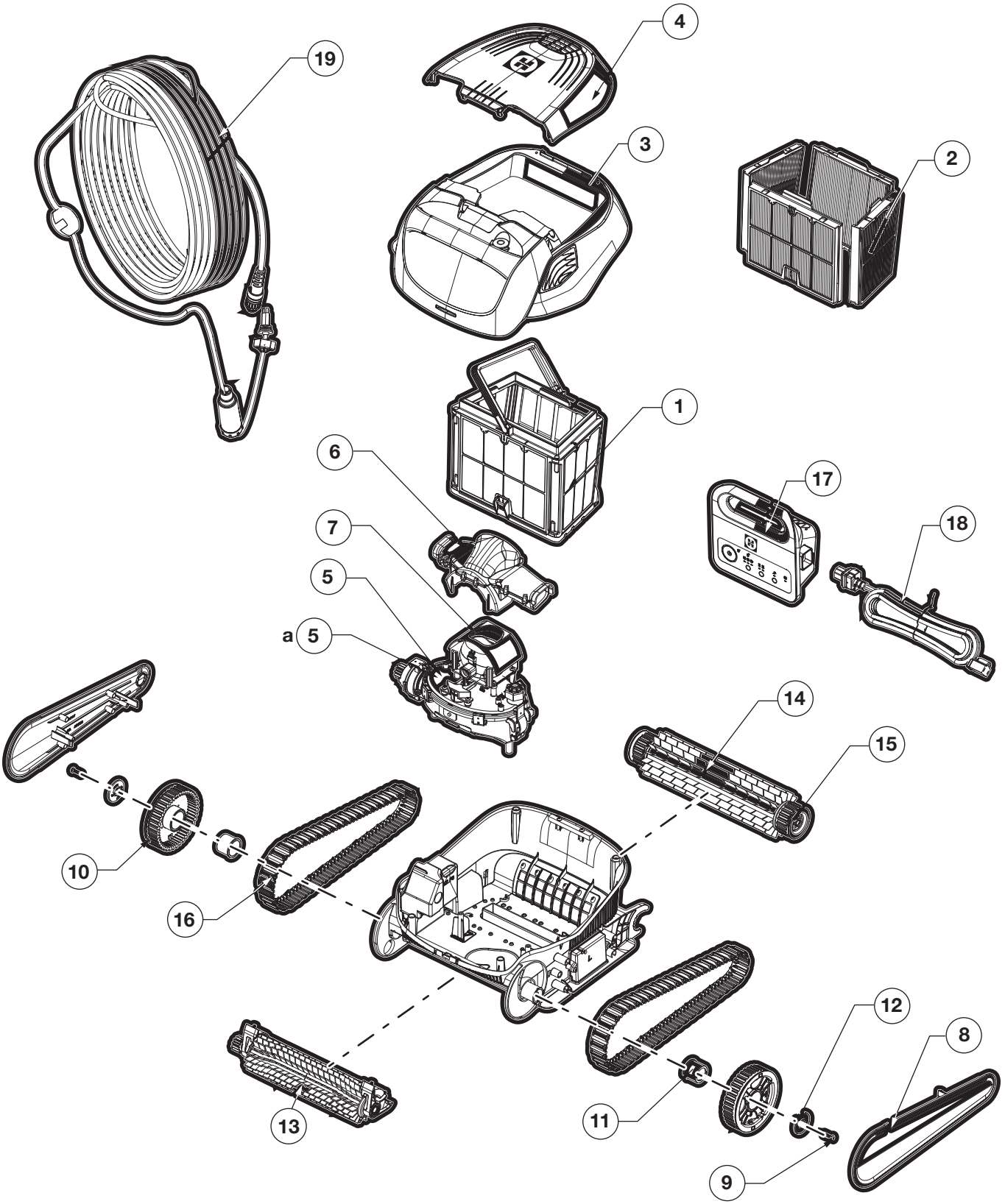


Parts Listing

Ref. No.	Part No.	Description	List Price
1	RCX99952462	Filter Cover R110 Assembly	**$98.27**
2	RCX9991465	Filter Combined S1 CAR-NET	**338.24**
3	RCX99952463-DIY	Outer Casing, White-Blue, R110	**161.88**
4	RCX9995386-EX	Motor Unit S1 Climb EX	**Discont'd**
4a	RCX9983142	Gear for Drive Motor	**14.03**
5	RCX9983024	Rapid Drain Flap	**17.31**
6	RCX99831524	Track S1/S2 C., Gray 11C	**167.63**
7	RCXM96100019	Large Wheel Cover S1 2192C	**17.29**
8	RCX99834107	Front Wheel, L. Blue BL131	**40.41**
	RCX9991625	Front Wheels/Bushings Kit, R110	**Discont'd**
9	RCXM96200039	Wheel Disk S1/S2, Blue 2192C	**5.72**
10	RCX9983114	Wheel Bushing S1/S2, White	**5.72**
	RCX9991625	Front Wheels/Bushings Kit, R110	**Discont'd**
	RCX9991626	Rear Wheels/Bushings Kit, R110	**Discont'd**
11	RCXM96100029	Wheel Plug S1, Blue 2192C	**5.72**
12	RCX99830157	Small Wheel, L. Blue	**23.07**
	RCX9991626	Rear Wheels/Bushings Kit, R110	**Discont'd**
13	RCX9995551	Front Brush Assembly C., Gray 11	**78.03**
14	RCX99956035US	PS Advanced 115V US W.T	**Discont'd**
15	RCX58984402LF	USA Switching PS Cord	**60.68**
16	RCX9995884-DIYF	Cable, 15M 2-Wire with Float, S1	**300.65**
17	RCX99960081	Cable Float, Blue, Large	**20.21**
18	RCX9991469	Ultra-Fine Filter Panels, F+R	**115.62**
—	RCX9995266	Impeller and Screw	**36.07**
A	RCX3379616-A	Screw KA50X16 WN1412	**5.66**

R130 Robotic Pool Cleaner

Parts Diagram

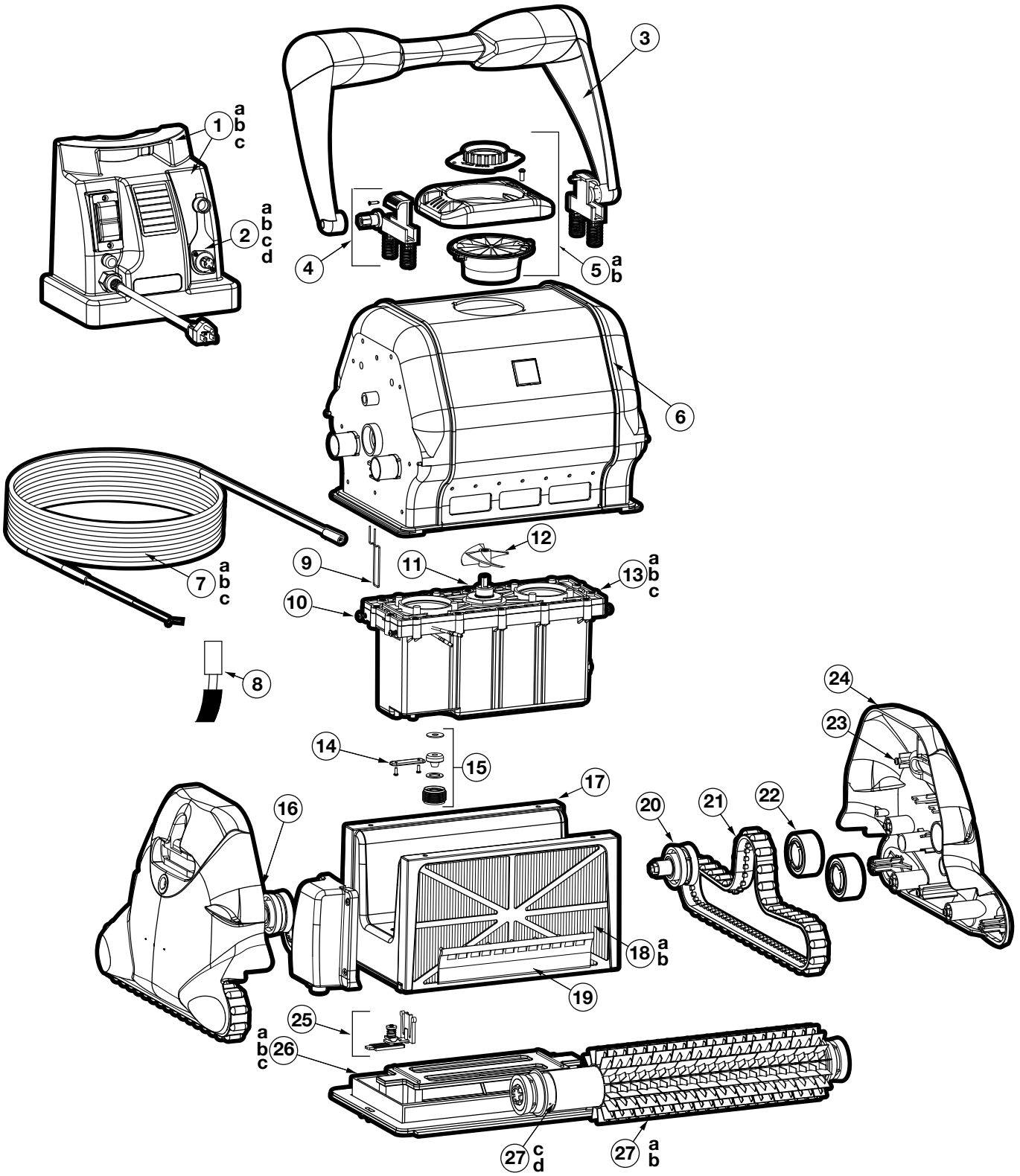


Parts Listing

Ref. No.	Part No.	Description	List Price
1	RCX9991457	Fine Filter Basket Assembly, S2	**$453.89**
2	RCX9991467	Ultra-Fine Filters *(Set of 4)*	**401.85**
3	RCX99952460-DIY	Outer Casing R130 Complete	**161.88**
4	RCX99952461	Filter Cover, R130, White-Blue	**127.18**
5	RCX9995388-EX	Motor Unit, S2 LED, EX	**Discont'd**
5a	RCX9983142	Gear for Drive Motor	**14.03**
6	RCX9991730	Manifold Assembly, S2	**25.99**
7	RCX9991735	Water Adjuster Tube, S2	**14.42**
8	RCXM96200053	Side Panel S2, Blue 2192C	**121.37**
9	RCX99917007	Active Brush S2, Dark Gray	**98.27**
10	RCX9983410	Front Wheel, Gray GR130	**40.41**
	RCX9991627	Front Wheels/Bushings Kit R130	**Discont'd**
11	RCX9983114	Wheel Bushing, S1/S2, White	**5.72**
	RCX9991627	Front Wheels/Bushings Kit R130	**Discont'd**
12	RCXM96200031	Wheel Disk S1/S2, Gray 11C	**5.72**
13	RCX3379616-A	Screw KA50X16 WN1412	**5.66**
14	RCX99955388	Brush PVC, S2, Dark Gray	**98.27**
15	RCX9991602	Bearing, for Brush	**34.63**
16	RCX99831524	Track, S1/S2, C. Gray 11C	**167.63**
17	RCX99956035US	PS Advanced, 115V US WT	**Discont'd**
18	RCX58984402LF	USA Switching PS Cord	**60.68**
19	RCX99958907-DIY	Cable, W-Swivel, 2W 60 ft/18M	**560.86**
—	RCX9995266	Impeller and Screw	**36.07**
—	RCX9983102	Water Release Flap	**16.80**

TigerShark®, TigerShark® QC, TigerShark® Plus

Parts Diagram



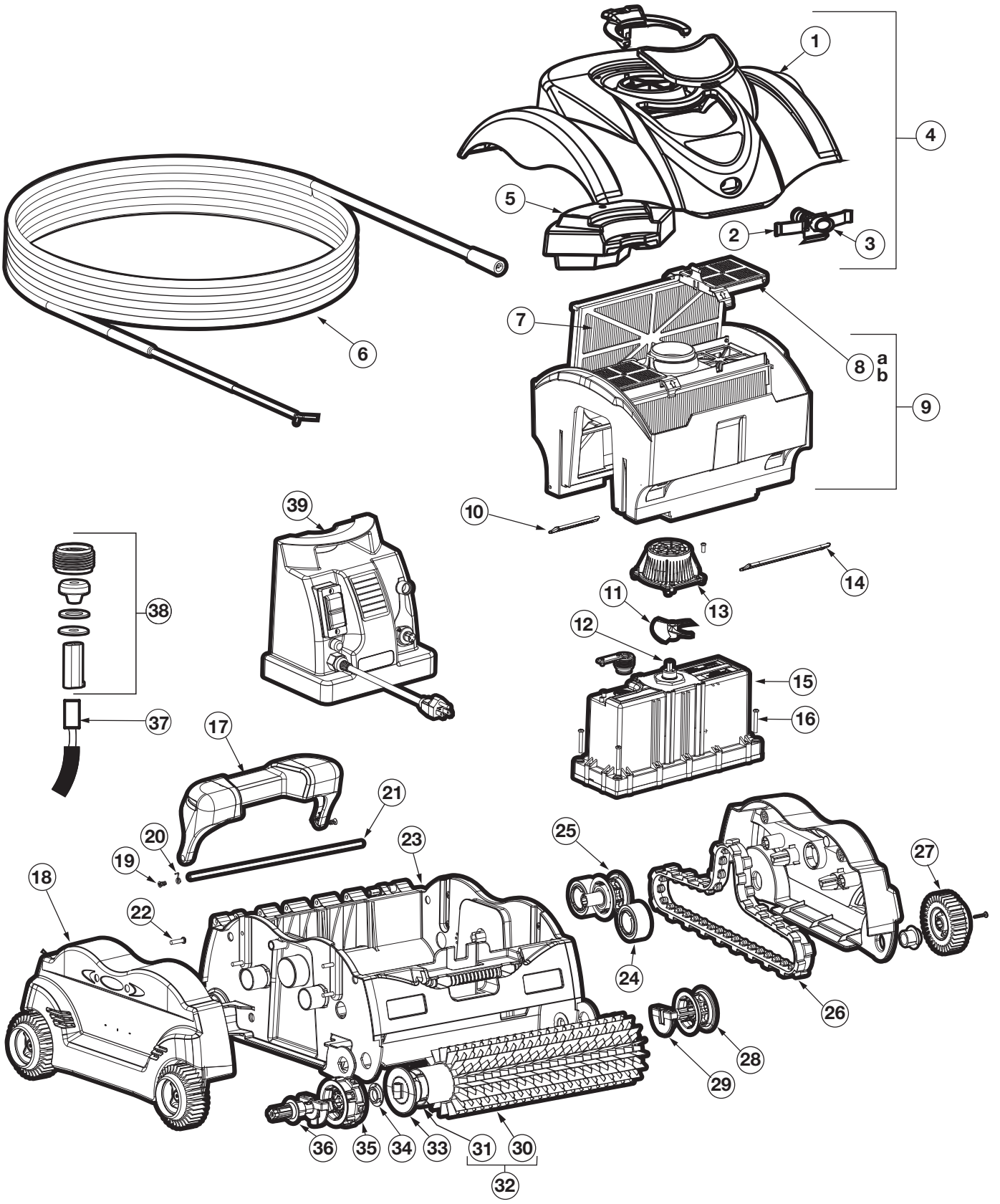
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	RCX97453	Power Supply-110 VAC, TigerShark	1	**$609.85**
1b	RCX30000RC	Power Supply-110 VAC, TigerShark Plus	1	**Discont'd**
1c	RCX97453QC	Power Supply-110 VAC, TigerShark Quikclean	1	**697.34**
2a	RCX31013A	Power Supply Circiut Breaker 3A	50	**17.33**
2b	RCX31012	Power Supply Switch 16A	50	**9.21**
2c	RCX31012A	Power Supply Switch Membrane Cover	50	**26.60**
2d	RCX31018	Power Supply Output Connector	50	**64.16**
3	RCX76008-234	Handle Assembly – TS, TS Plus, TSQC, Blue	5	**88.84**
4	RCX14000KIT	Handle Arm Slide Kit	10	**35.73**
5a	RCX11208	Venturi Assembly, New Style	10	**45.72**
5b	RCX11208BK	Venturi Assembly, Black	1	**45.72**
6	RCX13001C	Main Case, TS, TSP, TSQC	1	**182.69**
7a	RCX50061	Floating Cord Assembly – 55 ft. (TS, TSQC)	1	**311.53**
7b	RCX50110	Floating Cord Assembly – 100 ft. (TS2)	1	**547.91**
7c	RCX50070*	*Floating Cord Assembly – 55 ft. (TS Plus)*	1	**657.22**
8	RCX59006	Connector Socket, Molex	50	**3.79**
9	RCX11400	Clip, Lid *(Set of 2)*	10	**8.50**
10	RCX12001	Screw, M4X12 T-20 *(Set of 5)*	10	**5.96**
11	RCX40117	Drive Pin Assembly	50	**19.93**
12	RCX11000	Impeller	10	**21.51**
13a	RCX40000DC	Motor Unit, 4 hr. for TigerShark DC	1	**1,006.68**
13b	RCX43000	Motor Unit, 4 hr. for TigerSharkQC DC	1	**1,163.31**
13c	RCX40000RC*	Motor Unit, 4 hr. for TigerShark Plus DC	1	**1,234.57**
14	RCX59007	Plate-Cover, Strain Relief	10	**8.29**
15	RCX59004KIT	Motor Cord Seal Kit	5	**18.93**
16	RCX26001	Roller Bearing Guide	10	**57.61**
17	RCX70100	Filter Cartridge Assembly, Frame and Filters	1	**175.51**
18a	RCX70101PAK2	Filter Cartridges *(Set of 2)*	5	**116.22**
18b	RCX70103PAK2	Spring Cleanup Filters *(Set of 2)*	5	**38.43**
19	RCX17100	Flap Drain, TS *(Set of 2)*	20	**18.50**
20	RCX26002	Bearing, Drive Pulley Assembly (Includes RC260031 insert)	10	**58.07**
21	RCX23002	Drive Track, Soft Tread	5	**66.28**
22	RCX26000PAK2	Pulley Bearing Kit *(Set of 2)*	5	**38.49**
23	RCX12011	Screw M5X20 Pan TORX HD T-20	10	**8.86**
24	RCX97201	Side Cover, TS (Right and Left)	1	**39.60**
25	RCX75003KIT	Locking Plate Kit	10	**58.45**
26a	RCX75000-236	Bottom Lid Assembly, Black	7	**117.01**
26b	RCX78005	Bottom Lid Filter Gasket	10	**38.43**
26c	RCX75005	Inlet Flap	10	**7.96**
27a	RCX26008	Roller Brush	5	**49.19**
27b	RCX26012	Foam Roller Assembly	5	**121.23**
27c	RCX26003	Wheel Tube Assembly without Brush	9	**116.11**
27d	RCX26005S	Bearing-Wheel Tube Slotted	10	**47.02**
—	RCX17000	High Velocity Inlet	10	**16.77**
—	RCX40215*	Hand-Held Wireless Remote (2008 – present) 433 Mhz	10	**352.91**

*While supply last

SharkVac XL™

Parts Diagram

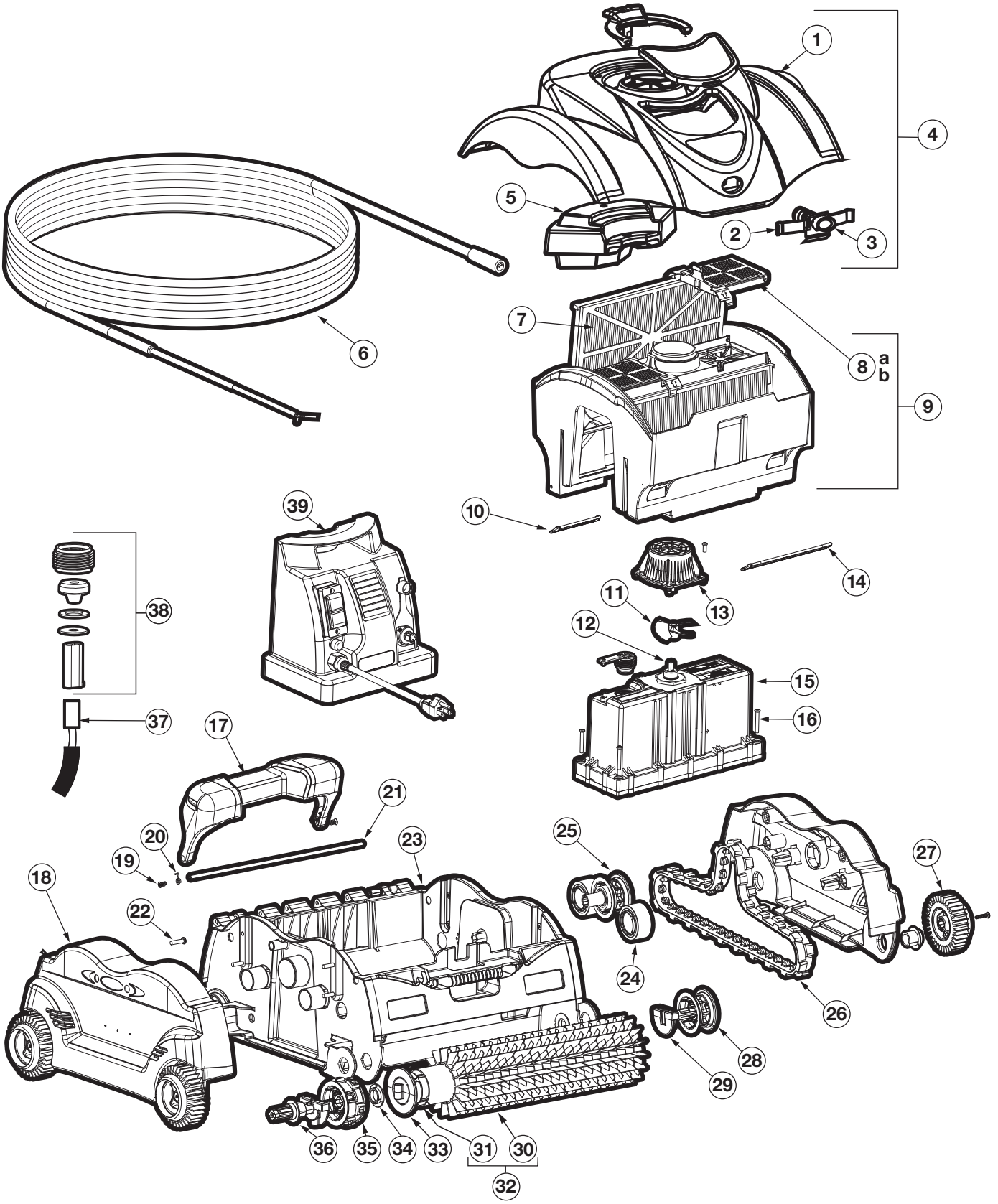


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	RCX97470SB-237	Dome, SV XL Gray Met	1	**$102.49**
2	RCX341149	Spring, Flat SV/EV	1	**7.25**
3	RCX97433	Button SV	1	**8.50**
4	RCX97471SB-237	Dome Assembly, SV Gray (Includes 1,2,3,4,5)	1	**304.29**
5	RCX97477	Float Assembly SV XL/ EV Pro	1	**142.52**
6	RCX50061	Cord, Assembly 55' SV/EV	1	**311.53**
7	RCX70101PAK2	Filter Cartridges *(Set of 2)*	5	**116.22**
—	RCX70103PAK2	Spring Cleanup Filters *(Set of 2)*	5	**38.43**
8a	RCX97417	Door, Filter	60	**13.73**
8b	RCX97417SPAK2	Door, Filter Element *(Set of 2)*	1	**13.52**
9	RCX97414	Filter Bucket Assembly SV/EV (Includes 10,11,12)	1	**140.82**
10	RCX97405	Flap, Drain Small SV	1	**8.50**
11	RCX11000	Impeller	10	**21.51**
12	RCX40117	Drive Pin Assembly	50	**19.93**
13	RCX97455	Tube Vent	10	**10.83**
14	RCX97407	Flap, Drain Large SV	1	**14.50**
15	RCX97490	Motor Assembly SV/EV	1	**1,525.60**
16	RCX97461	Screw M5X35MM PT *(Set of 5)*	10	**19.66**
17	RCX97480SB-234	Handle Assembly SV, Blue	1	**119.36**
18	RCX97403XL-236	Panel, Side SV XL, Black	1	**43.78**
19	RCX97423	Bushing, Dome, SV *(Set of 2)*	5	**8.78**
20	RCX97427	Spring, Handle	25	**8.78**
21	RCX97459	Screw M7X10MM Flat TORX *(Set of 5)*	5	**Discont'd**
22	RCX97429	Shaft, Hinge S.S. SV/EV	10	**12.33**
23	RCX12011	Screw M5X20 Pan TORX HD T-20	10	**8.86**
24	RCX26000PAK2	Pulley Bearing Kit *(Set of 2)*	5	**38.49**
25	RCX97502GR	Drive Bearing Assembly	5	**58.07**
26	RCX97501GR	Drive Track, Soft Tread	5	**48.62**
27	RCX97508GR	Wheel Rim with Tire SV	5	**18.72**
28	RCX97505PAK2	Drive Track Wheel Kit SV *(Set of 2)*	5	**24.35**
29	RCX97507PAK2	Roller Wheel Shaft SV *(Set of 2)*	5	**22.26**
30	RCX26008	Roller Brush	5	**49.19**
31	RCX97520ABK	Tube Wheel, SharkVac, Black	1	**29.37**
32	RCX97410	Tube Wheel Assemby SV	5	**78.60**
33	RCX97441	Roller End SV	10	**19.04**
34	RCX97435PAK2	Roller Shaft Bushing Kit *(Set of 2)*	5	**18.36**
35	RCX97509PAK2	Drive Wheel Kit	5	**76.11**
36	RCX97506PAK2	Roller Bushing Kit *(Set of 2)*	5	**45.72**
37	RCX59006	Connector Socket Molex	50	**3.79**
38	RCX59004KIT	Motor Cord Seal Kit	5	**18.93**
39	RCX97453	Power Supply SV	1	**609.85**
—	RCX31013A	Power Supply Circuit Breaker 3A	50	**17.33**
—	RCX31012	Power Supply Switch 16A	50	**9.21**
—	RCX31012A	Power Supply Switch Membrane Cover	50	**26.60**
—	RCX31018	Power Supply Output Connector	50	**64.16**

SharkVac

Parts Diagram

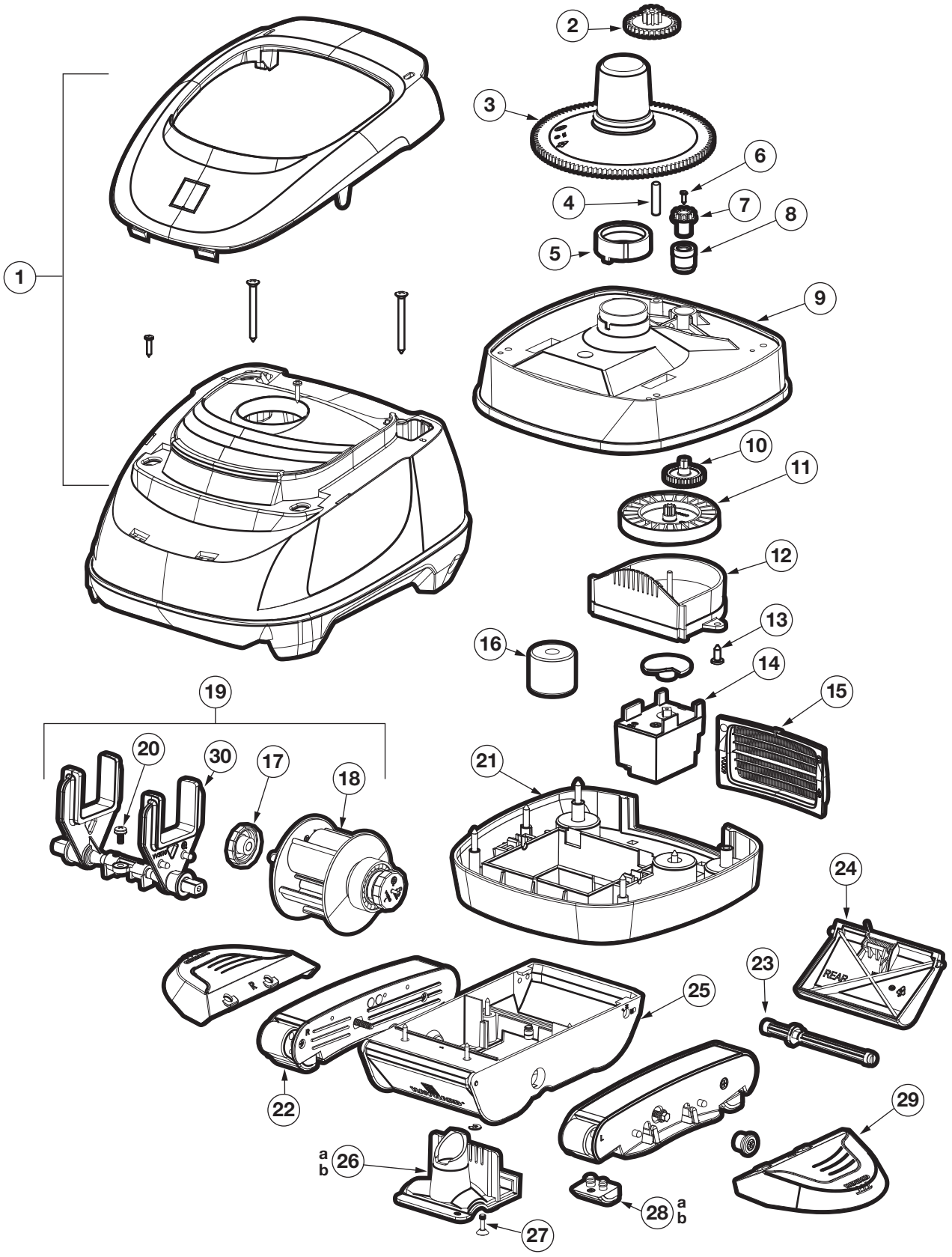


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	RCX97421	Window, Dome Clear SV	1	**$11.70**
2	RCX341149	Spring, Flat SV/EV	1	**7.25**
3	RCX97433	Button SV	1	**8.50**
4	RCX97423	Bushing, Dome, SV	5	**8.78**
5	RCX97418-237	Dome Assembly, SV Gray (Includes 1,2,3,4,5)	1	**174.40**
6	RCX50061	Cord, Assembly 55' SV/EV	1	**311.53**
7	RCX70101PAK2	Filter Cartridges *(Set of 2)*	5	**116.22**
8a	RCX97417	Door, Filter	60	**13.73**
8b	RCX97417SPAK2	Door, Filter Element *(Set of 2)*	1	**13.52**
—	RCX70103PAK2	Spring Cleanup Filters *(Set of 2)*	5	**38.43**
9	RCX97405	Flap, Drain Small SV	1	**8.50**
10	RCX97455	Tube Vent	10	**10.83**
11	RCX40117	Drive Pin Assembly	50	**19.93**
12	RCX11000	Impeller	10	**21.51**
13	RCX97407	Flap, Drain Large SV	1	**14.50**
14	RCX97414	Filter Bucket Assembly SV/EV (Includes 9,10,11)	1	**140.82**
15	RCX97461	Screw M5X35MM PT *(Set of 5)*	10	**19.66**
16	RCX97400	Motor Assembly SV/EV	1	**785.26**
17	RCX97425-234	Handle Assembly SV, Blue	4	**45.53**
18	RCX97403-236	Panel, Side SV, Black	1	**37.56**
19	RCX12011	Screw M5X20 Pan TORX HD T-20	10	**8.86**
20	RCX97427	Spring, Handle	25	**8.78**
21	RCX97429	Shaft, Hinge S.S. SV/EV	10	**12.33**
22	RCX341142-236	Base SV, Black	1	**125.52**
23	RCX26000PAK2	Pulley Bearing Kit *(Set of 2)*	5	**38.49**
24	RCX97502GR	Drive Bearing Assembly	5	**58.07**
25	RCX97507PAK2	Roller Wheel Shaft SV *(Set of 2)*	5	**22.26**
26	RCX97501GR	Drive Track, Soft Tread	5	**48.62**
27	RCX97509PAK2	Drive Wheel Kit	5	**76.11**
28	RCX97508GR	Wheel Rim with Tire SV	5	**18.72**
29	RCX26008	Roller Brush	5	**49.19**
30	RCX97520ABK	Tube Wheel, Black, SharkVac	1	**29.37**
31	RCX97441	Roller End SV	10	**19.04**
32	RCX97410	Tube Wheel Assemby SV	5	**78.60**
33	RCX97435PAK2	Roller Shaft Bushing Kit *(Set of 2)*	5	**18.36**
34	RCX97505GR	Wheel-Drive Belt, SV	5	**7.58**
35	RCX97506PAK2	Roller Bushing Kit *(Set of 2)*	5	**45.72**
36	RCX59006	Connector Socket Molex	50	**3.79**
37	RCX59004KIT	Motor Cord Seal Kit	5	**18.93**
38	RCX97453	Power Supply SV	1	**609.85**
—	RCX31013A	Power Supply Circiut Breaker 3A	50	**17.33**
—	RCX31012	Power Supply Switch 16A	50	**9.21**
—	RCX31012A	Power Supply Switch Membrane Cover	50	**26.60**
—	RCX31018	Power Supply Output Connector	50	**64.16**

Navigator® V-Flex™

Parts Diagram

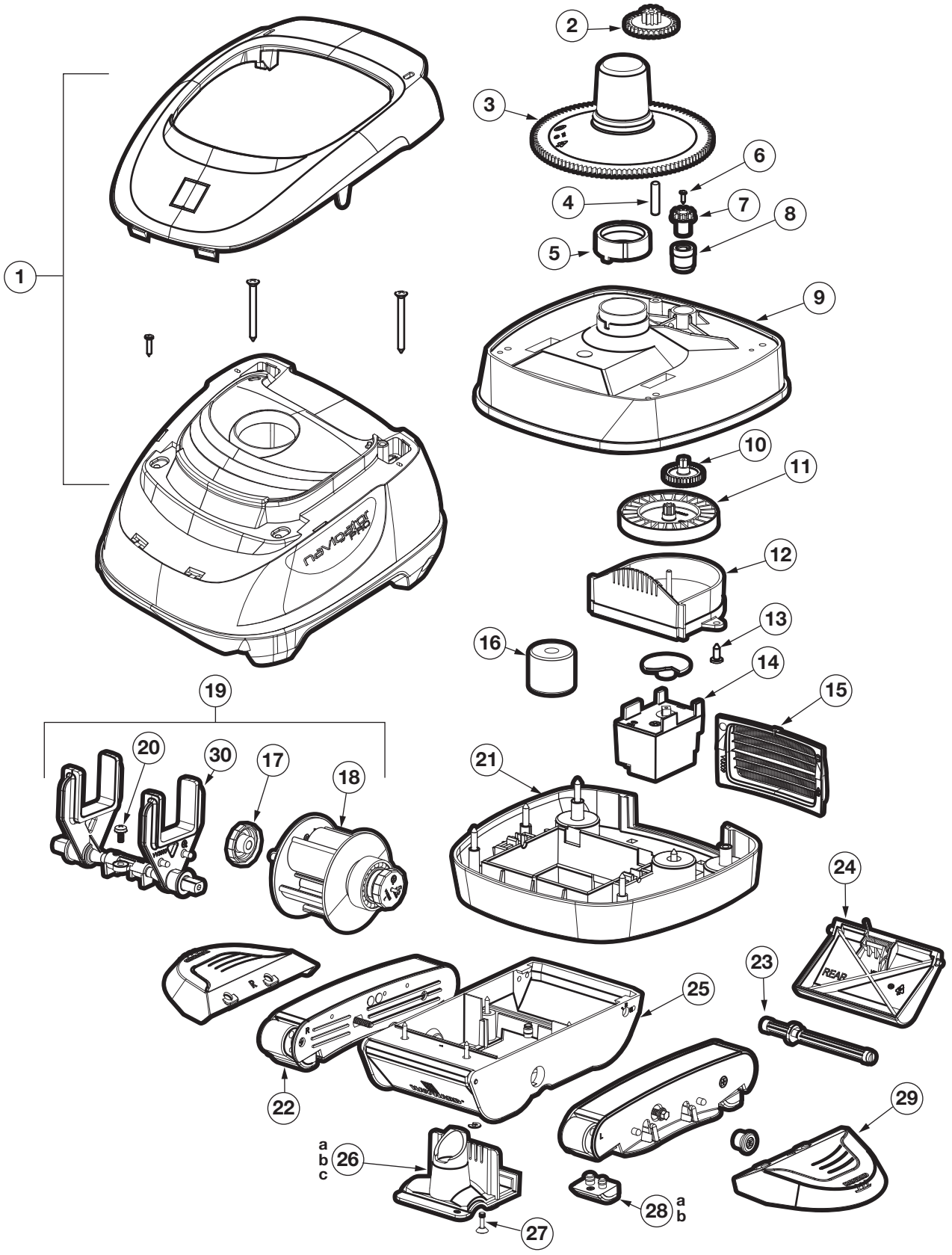


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXV925VFSA	Navi VFlex Shell Assembly	1	**Discont'd**
2	AXV301	Inter Gear	25	**$20.82**
3	AXV070	Cone Gear, Clear	10	**147.03**
4	AXV309	Inter Gear, Shaft	50	**4.18**
5	AXV306	Cone Gear Bushing	25	**21.22**
6	AXV068	Spindle Gear Screw	50	**3.45**
7	AXV303	Cone Spindle Gear	25	**20.82**
8	AXV066A	Cone Spindle Gear Bushing	25	**24.65**
9	HSXV060R237	Mid Body, Upper Housing	10	**191.84**
10	AXV064A	Medium Turbine Drive Gear	25	**24.65**
11	AXV062C	Medium Turbine	25	**36.27**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**83.98**
13	AXV065P	Upper Body Screw	25	**17.76**
14	AXV408P	Gear Box Assembly	25	**39.52**
15	AXVU009-237	Screen Kit	50	**16.75**
16	AXV054FH	Float Kit	25	**47.63**
17	HSX304060	Turbine Shaft Retainer *(2 pack)*	25	**20.80**
18	HSXVV3000SAC	Turbine Kit (turbine and 2 turbine shaft retainers)	25	**101.98**
19	HSXVV3010SA	Kit, Turbine/A-Frame 5 Vane	10	**110.52**
20	AXV313	A-Frame Saddle Clip Retaining Screw	25	**14.68**
21	HSXV050C237	Lower Body Housing	10	**145.06**
22	AXV417-237	Pod Kit	25	**84.35**
23	AXV031B	Flap Adjuster	25	**22.26**
24	AXV434-237	Flap Kit (2 flaps, front and rear springs)	50	**44.68**
25	AXV230D-237	Open Lower Body	10	**78.16**
26a	HSXVV015SAC-237	Access Cover Assembly, Concrete	25	**21.13**
26b	HSXVV015SAV-237	Access Cover Assembly, Vinyl	25	**28.27**
27	AXV314P	Captive Screw with Clip	25	**7.06**
28a	AXV414P	Shoes, Concrete *(4 pack)*	25	**27.42**
28b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**34.09**
29	AXV604-237	Wing Kit	50	**24.94**
30	VVX3010SA	A-Frame	10	**47.28**

Navigator® Pro

Parts Diagram

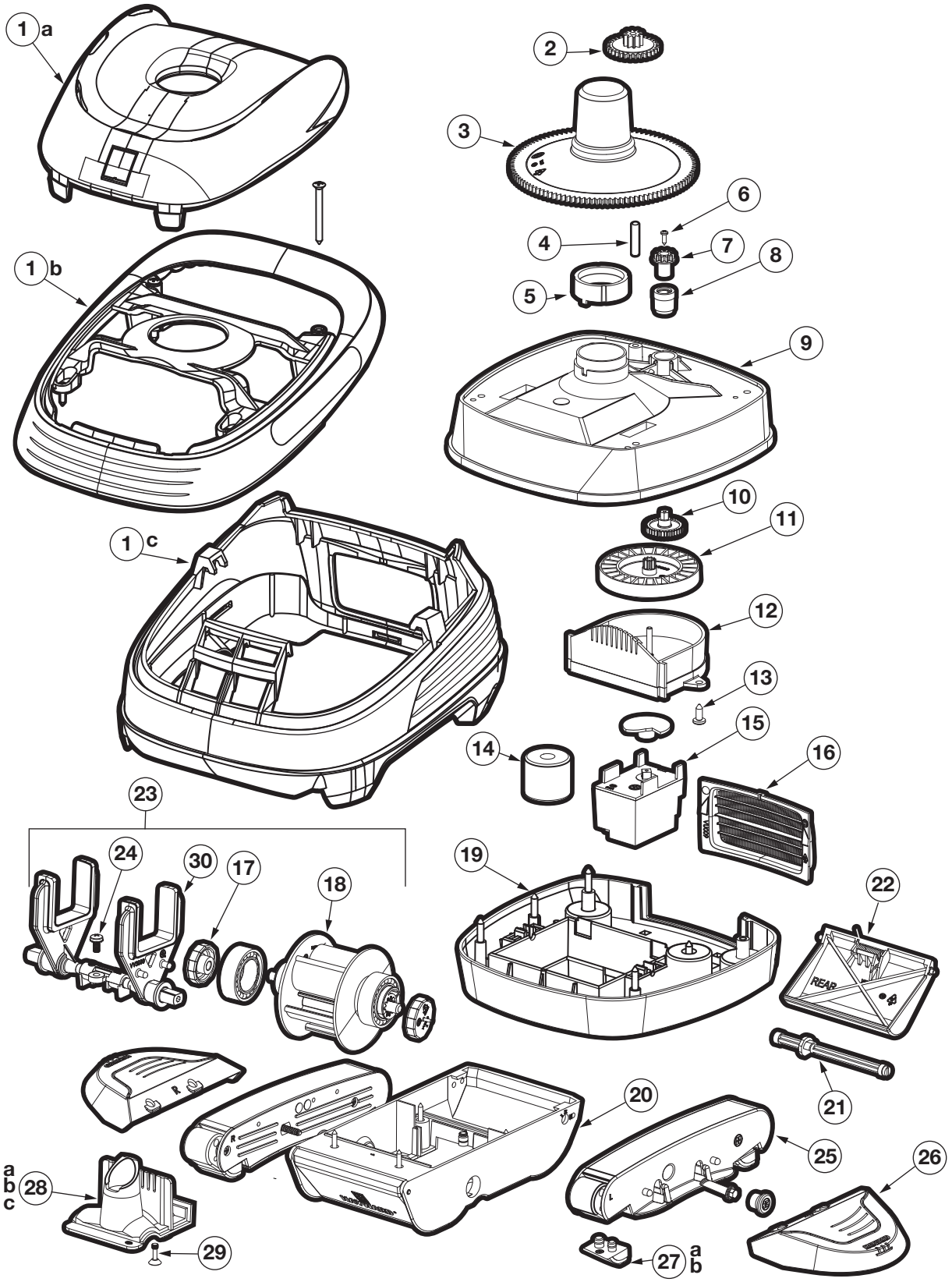


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXV925ADSA	Navigator Pro Shell Assembly	1	**$190.62**
2	AXV301	Inter Gear	25	**20.82**
3	AXV070	Cone Gear, Clear	10	**147.03**
4	AXV309	Inter Gear, Shaft	50	**4.18**
5	AXV306	Cone Gear Bushing	25	**21.22**
6	AXV068	Spindle Gear Screw	50	**3.45**
7	AXV303	Cone Spindle Gear	25	**20.82**
8	AXV066A	Cone Spindle Gear Bushing	25	**24.65**
9	AXV060WH	Mid Body, Upper Housing	10	**155.12**
10	AXV064A	Medium Turbine Drive Gear	25	**24.65**
11	AXV062C	Medium Turbine	25	**36.27**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**83.98**
13	AXV065P	Upper Body Screw *(6 pack)*	25	**17.76**
14	AXV408P	Gear Box Assembly	25	**39.52**
15	AXVU009-237	Screen Kit	50	**16.75**
16	AXV054FH	Float Kit	25	**47.63**
17	AXV055P	Turbine Bearing *(2 pack)*	50	**28.48**
18	AXV602P	Turbine Kit (turbine and 2 turbine bearings)	25	**79.27**
19	AXV621DAT	Kit-Universal, Turbine/A-Frame	10	**103.21**
20	AXV313	A-Frame Saddle Clip Retaining Screw	25	**14.68**
21	AXV050CWH	Lower Middle Body	10	**142.19**
22	AXV417WHP	Pod Kit	25	**82.70**
23	AXV031B	Flap Adjuster	25	**22.26**
24	AXV434WHP	Flap Kit (2 flaps, front and rear springs)	50	**43.82**
25	AXV230DWH	Open Lower Body	10	**76.61**
26a	AXV603	Access Cover Assembly, Concrete	25	**22.34**
26b	AXV603A	Access Cover Assembly, Vinyl	25	**27.71**
26c	AXV603CLO	Access Cover Assembly, Concrete Large Skids	25	**22.34**
27	AXV314P	Captive Screw with Clip	25	**7.06**
28a	AXV414P	Shoes, Concrete *(4 pack)*	25	**27.42**
28b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**34.09**
29	AXV604WHP	Wing Kit	50	**24.52**
30	AXV621D	Kit-Universal, A-Frame	25	**75.50**

PoolVac V-Flex™

Parts Diagram

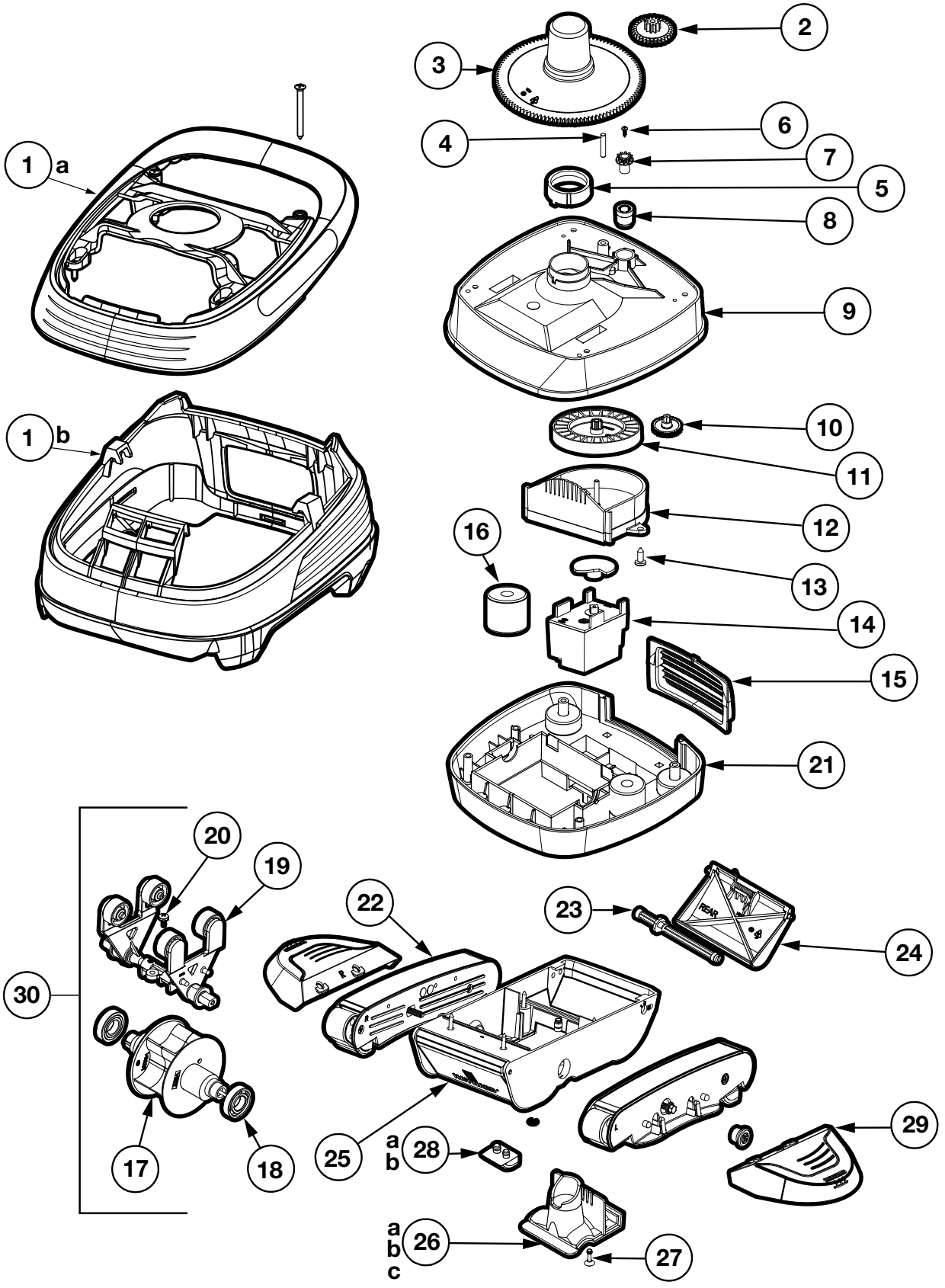


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	HSXVV017SA-237	Assembly, Cover-PV V-Flex	1	**$266.85**
1b	HSXVV018SA-236	Assembly, Handle-PV V-Flex	1	**222.12**
1c	AXVU015-237	Assembly, Shell and Skirt, PV V-Flex	1	**443.29**
2	AXV301	Inter Gear	25	**20.82**
3	AXV070	Cone Gear, Clear	10	**147.03**
4	AXV309	Inter Gear Shaft	50	**4.18**
5	AXV306	Cone Gear Bushing	25	**21.22**
6	AXV068	Spindle Gear Screw	50	**3.45**
7	AXV303	Cone Spindle Gear	25	**20.82**
8	AXV066A	Cone Spindle Gear Bushing	25	**24.65**
9	HSXV060R237	Upper Middle Body	10	**191.84**
10	AXV064A	Medium Turbine Drive Gear	25	**24.65**
11	AXV062C	Medium Turbine	25	**36.27**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**83.98**
13	AXV065P	Upper Body Screw *(6 pack)*	25	**17.76**
14	AXV054FH	Float Kit	25	**47.63**
15	AXV408P	Gear Box Assembly	25	**39.52**
16	AXVU009-237	Screen Kit	50	**16.75**
17	HSX304060	Turbine Shaft Retainer *(2 pack)*	25	**20.80**
18	HSXVV3000SAC	Turbine Kit (turbine and 2 turbine bearings)	25	**101.98**
19	HSXV050C237	Lower Body, Housing	10	**145.06**
20	AXV230D-237	Open Lower Body	10	**78.16**
21	AXV031B	Flap Adjuster	25	**22.26**
22	AXV434-237	Flap Kit (2 flaps, front and rear springs)	50	**44.68**
23	HSXVV3010SA	Kit, Turbine/A-Frame 5 Vane	10	**110.52**
24	AXV313	A-Frame Saddle Clip Retaining Screw	25	**14.68**
25	AXV417-237	Pod Kit	25	**84.35**
26	AXV604-237	Wing Kit	50	**24.94**
27a	AXV414P	Shoes, Concrete *(4 pack)*	25	**27.42**
27b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**34.09**
28a	AXV603	Access Cover Assembly, Concrete	25	**22.34**
28b	AXV603A	Access Cover Assembly, Vinyl	25	**27.71**
28c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25	**22.34**
29	AXV314P	Captive Screw with Clip	25	**7.06**
30	VVX3010SA	A-Frame	10	**47.28**

PoolVac XL™

Parts Diagram

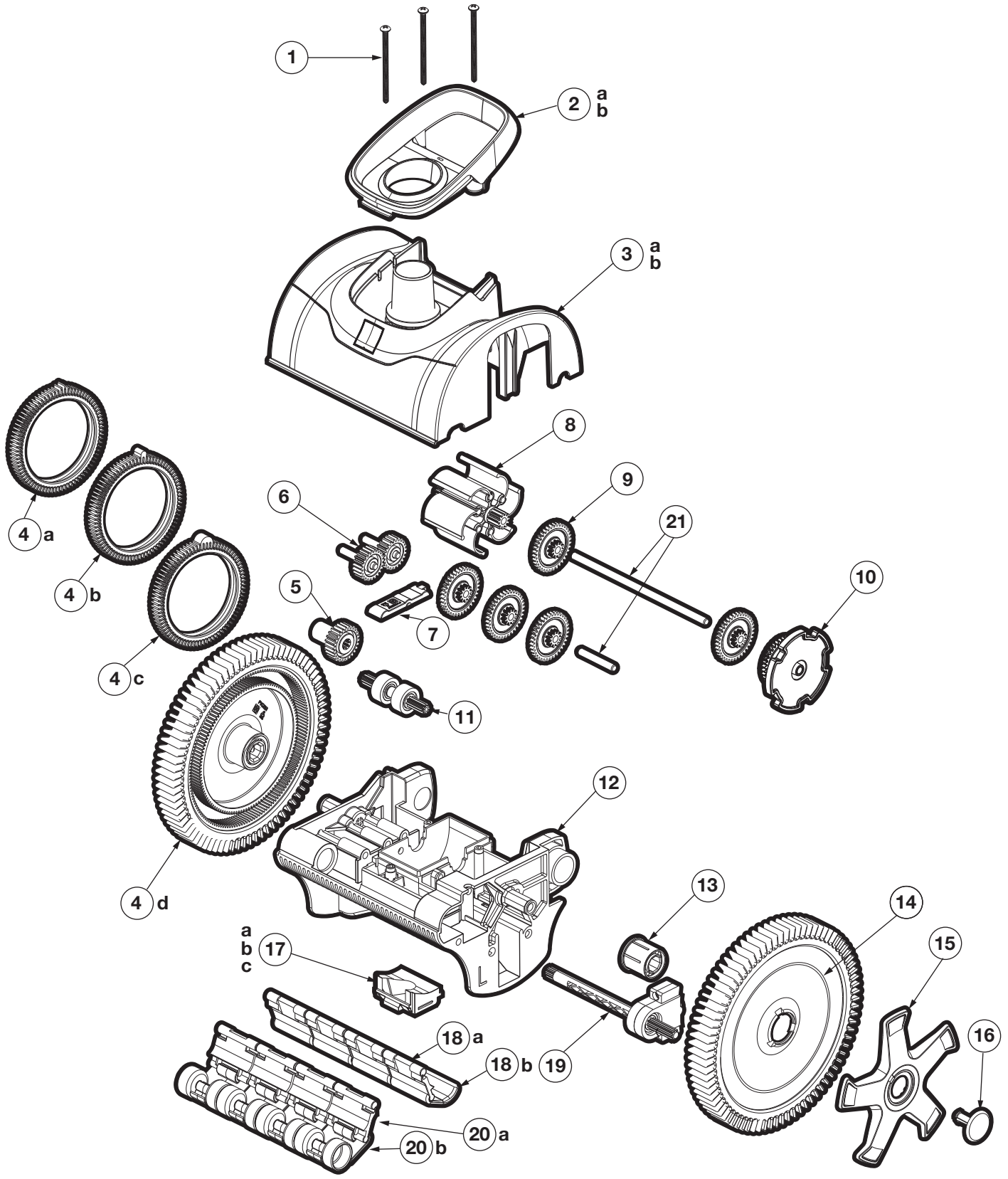


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	AXVU018	PoolVac XL Cover Assembly	1	**Discont'd**
1b	AXVU019	PoolVac XL Handle Assembly	1	**$235.27**
1c	AXVU015	PoolVac XL Skirt Assembly	1	**Discont'd**
2	AXV301	Inter Gear	25	**20.82**
3	AXV070	Cone Gear, Clear	10	**147.03**
4	AXV309	Inter Gear Shaft	50	**4.18**
5	AXV306	Cone Gear Bushing	25	**21.22**
6	AXV068	Spindle Gear Screw	50	**3.45**
7	AXV303	Cone Spindle Gear	25	**20.82**
8	AXV066A	Cone Spindle Gear Bushing	25	**24.65**
9	AXV060WH	Upper Middle Body	10	**155.12**
10	AXV064A	Medium Turbine Drive Gear	25	**24.65**
11	AXV062C	Medium Turbine	25	**36.27**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**83.98**
13	AXV065P	Upper Body Screw *(6 pack)*	25	**17.76**
14	AXV408P	Gear Box Assembly	25	**39.52**
15	AXVU009	Screen Kit	50	**16.46**
16	AXV054FH	Float Kit	25	**47.63**
17	AXV602P	Turbine Kit (turbine and 2 turbine bearings)	25	**79.27**
18	AXV055P	Turbine Bearing *(2 pack)*	50	**28.48**
19	AXV621D	Kit-Universal, A-Frame	25	**75.50**
20	AXV313	A-Frame Saddle Clip Retaining Screw	25	**14.68**
21	AXV050CWH	Lower Body	10	**142.19**
22	AXV417WHP	Pod Kit	25	**82.70**
23	AXV031B	Flap Adjuster	25	**22.26**
24	AXV621DAT	Kit-Universal, Turbine/A-Frame	10	**103.21**
25	AXV230DWH	Open Lower Body	10	**76.61**
26a	AXV603	Access Cover Assembly, Concrete	25	**22.34**
26b	AXV603A	Access Cover Assembly, Vinyl	25	**27.71**
26c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25	**22.34**
27	AXV314P	Captive Screw with Clip	25	**7.06**
28a	AXV414P	Shoes, Concrete *(4 pack)*	25	**27.42**
28b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**34.09**
29	AXV604WHP	Wing Kit	50	**24.52**
30	AXV434WHP	Flap Kit (2 flaps, front and rear springs)	50	**43.82**

AquaNaut® 200 & 250

Parts Diagram

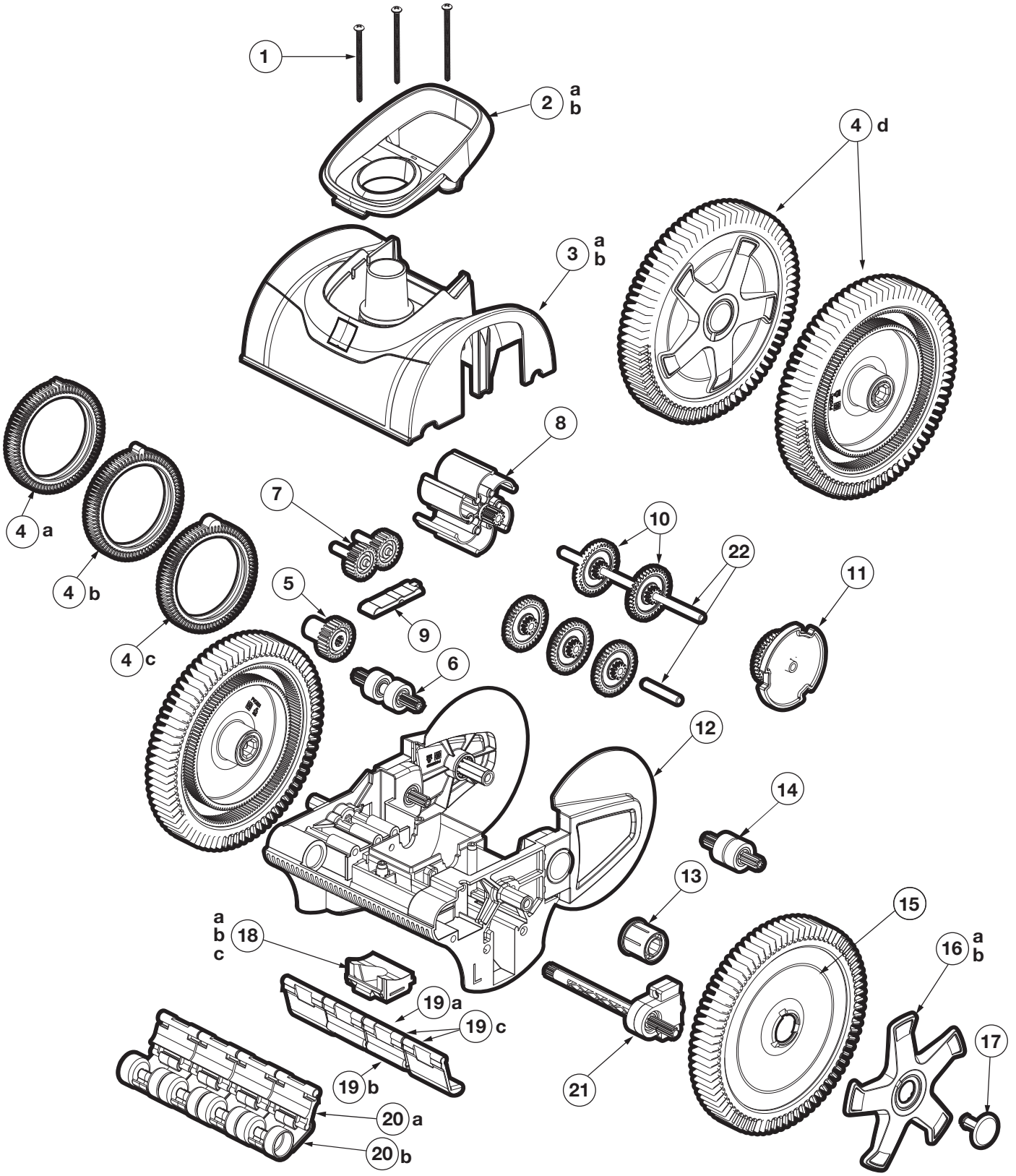


Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SCRX4012PK3	Screw, #10 x 3 18-8 *(3 pack)*	20	**$21.45**
2a	PVXS0002-234-01	Handle, 200 Blue Met Printed	10	**43.50**
2b	PVXE0002-234-01	Handle, 250 Blue Met Printed	10	**40.86**
3a	PVXS01SA-237-01	Upper Body, Blue Logo	1	**75.81**
3b	PVXE0001SA-237	Upper Body	1	**75.81**
4a	PVX075PK2-234	Wheel Tread, Finger Hump, Blue Met *(2 pack)*	10	**93.36**
4b	PVXS11PK2-234	Wheel Tread, Super, Blue Met *(2 pack)*	10	**93.36**
4c	PVX679PK2	Wheel Tread, Super Super, Blue *(2 pack)*	10	**102.69**
4d	PVXS16PK2-234	Wheel Tread, Blue Met – Optional *(2 pack)*	10	**79.40**
5	PVXH007	Gear, Drive, Large	25	**17.12**
6	PVXH008PK2	Gear, Drive, Small *(2 pack)*	20	**16.05**
7	PVXS0007	Shaft Retainer, White Plastic	25	**9.28**
8	PVXH038SA	Turbine, 6-Vane Kit	10	**61.31**
9	PVXH009PK5	Gear, Reduction *(5 pack)*	10	**13.98**
10	PVXH036009	Steering Cam Gear 2x2	10	**20.61**
11	PVXH019SA	Shaft Bearing	25	**63.96**
12	PVX792SA-236	Lower Body, Black Met	1	**60.55**
13	PVX976PK2	Wheel Bearing *(2 pack)*	10	**34.43**
14	PVX051-236	Wheel Hub, Black Met	20	**41.88**
15	PVXS005PK2-237	Wheel Style, 5-Spoke Gray Met *(2 pack)*	20	**18.96**
16	PVXS0006-237	Wheel Retainer, Gray Met	20	**9.81**
17a	PVX990S-207	Inlet, Suction, Small, Gray	10	**11.14**
17b	PVX990M-236	Inlet, Suction, Medium, Black Met	10	**11.14**
17c	PVX990L-207	Inlet, Suction, Large, Gray	10	**11.14**
18a	PVXH014BKPK4	Bracket Skirt, Black *(4 pack)*	10	**21.45**
18b	PVXH013BKPK4	Skirt, Black *(4 pack)*	10	**21.45**
19	PVXH011SA	Steering Bracket Roller	20	**90.39**
20a	PVXH014BKPK4	Bracket Skirt *(4 pack)*	10	**21.45**
20b	PVX043042BKPK4	Roller Skirt, Black *(4 pack)*	10	**31.89**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**38.16**
21	PVXH021KIT	SS Shaft Kit	1	**21.20**

AquaNaut® 400 & 450

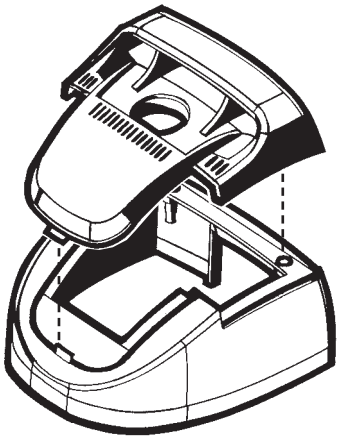
Parts Diagram

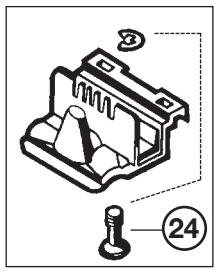


Parts Listing

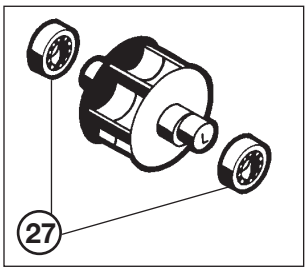
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SCRX4012PK3	Screw, #10 x 3 18-8 *(3 pack)*	20	**$21.45**
2a	PVXS0002-234-02	Handle, 400 Blue Met,Upper Body 400, Blue Logo	10	**43.50**
2b	PVXE0002-234-02	Handle, 450 Blue Met	10	**43.50**
3a	PVXS01SA-237-01	Upper Body, Blue Logo	1	**75.81**
3b	PVXE0001SA-237	Upper Body, 450 Blue Logo	1	**75.81**
4a	PVX075PK2-234	Wheel Tread, Finger Hump, Blue Met *(2 pack)*	10	**93.36**
4b	PVXS11PK2-234	Wheel Tread, Super, Blue Met *(2 pack)*	10	**93.36**
4c	PVX679PK2	Wheel Tread, Super Super, Blue *(2 pack)*	10	**102.69**
4d	PVXS16PK2-234	Wheel Tread, Blue Met – Optional *(2 pack)*	10	**79.40**
5	PVXH007	Gear, Drive, Large	25	**17.12**
6	PVXH019SA	Shaft Bearing	25	**63.96**
7	PVXH008PK2	Gear, Drive, Small *(2 pack)*	20	**16.05**
8	PVXH038SA	Turbine, 6-Vane Kit	10	**61.31**
9	PVXS0007	Shaft Retainer, White Plastic	25	**9.28**
10	PVXH009PK5	Gear, Reduction *(5 pack)*	10	**13.98**
11	PVXH010009	Steering Cam Gear 4x4	10	**20.61**
12	PVXS0009-236	Lower Body, 4-Wheel, Black Met	1	**90.94**
13	PVX976PK2	Wheel Bearing *(2 pack)*	10	**34.43**
14	PVXH020SA	Gear Shaft, Rear	25	**63.96**
15	PVX051-236	Wheel Hub, Black Met	20	**41.88**
16a	PVXS005PK2-237	Wheel Style 400, 5-Spoke Gray Met *(2 pack)*	20	**18.96**
	PVXE003PK2-237	Wheel Style 450, 4-Spoke Gray Met *(2 pack)*	10	**20.03**
17	PVXS0006-237	Wheel Retainer, Gray Met	20	**9.81**
18a	PVX990S-207	Inlet, Suction, Small, Gray	10	**11.14**
18b	PVX990M-236	Inlet, Suction, Medium, Black Met	10	**11.14**
18c	PVX990L-207	Inlet, Suction, Large, Gray	10	**11.14**
19a	PVXH014BKPK4	Bracket Skirt, Black *(4 pack)*	10	**21.45**
19b	PVXH013BKPK4	Skirt, Black *(4 pack)*	10	**21.45**
19c	PVX013028BK	Rear Skirt Kit, Black (2 Hinged/2 Non Hinged) 4 Wheel Only	10	**25.80**
20a	PVXH014BKPK4	Bracket Skirt *(4 pack)*	10	**21.45**
20b	PVX043042BKPK4	Roller Skirt, Black *(4 pack)*	10	**31.89**
21	PVXH011SA	Steering Bracket Roller	20	**90.39**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**38.16**
22	PVXH021KIT	SS Shaft Kit	1	**21.20**

Parts Diagram

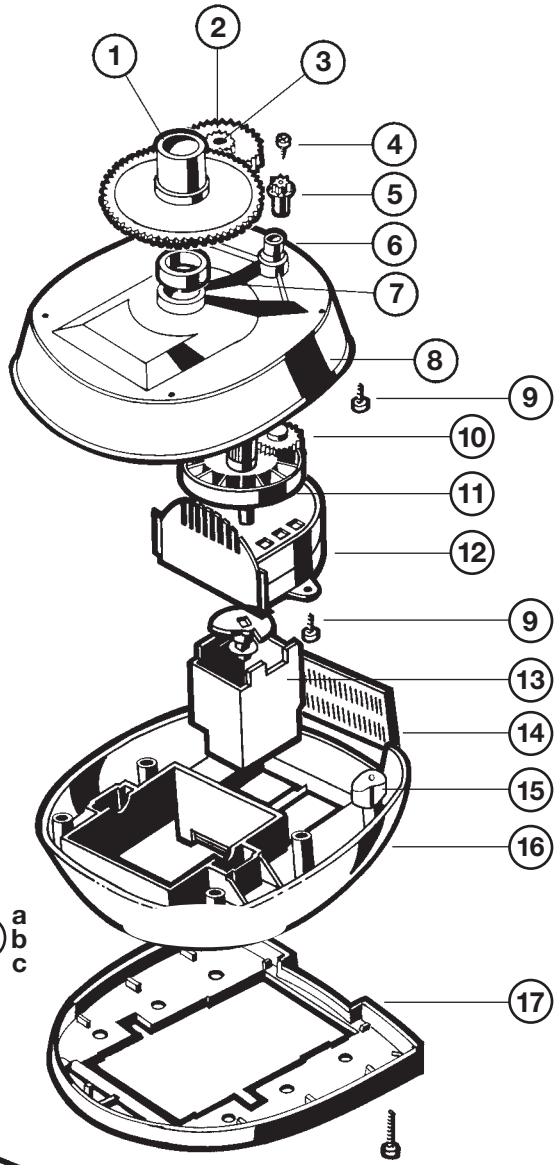


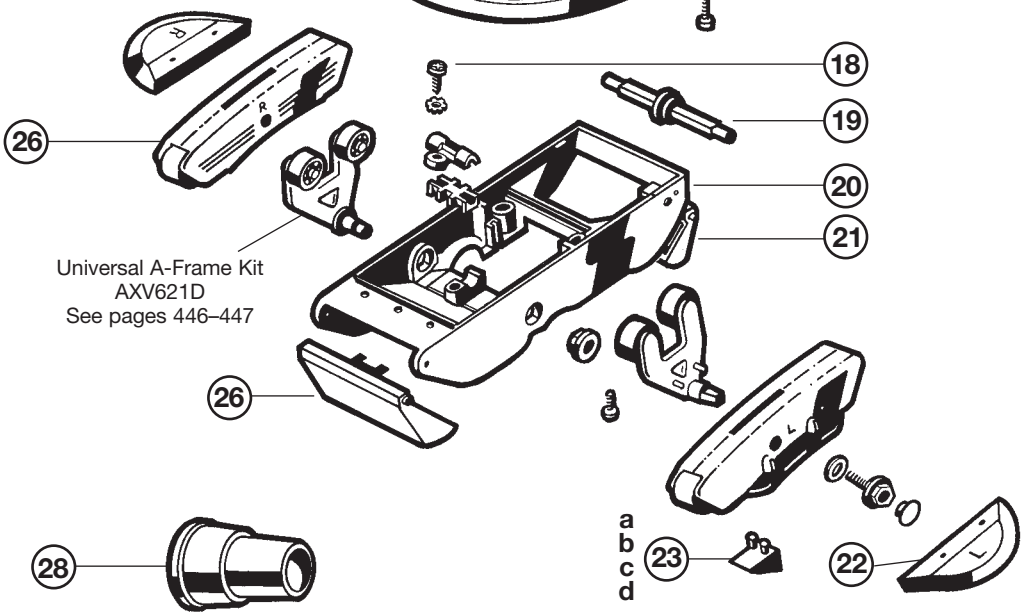


Vinyl Access Plate
not pictured



Turbine Kit
AXV602P
See pages 446–447





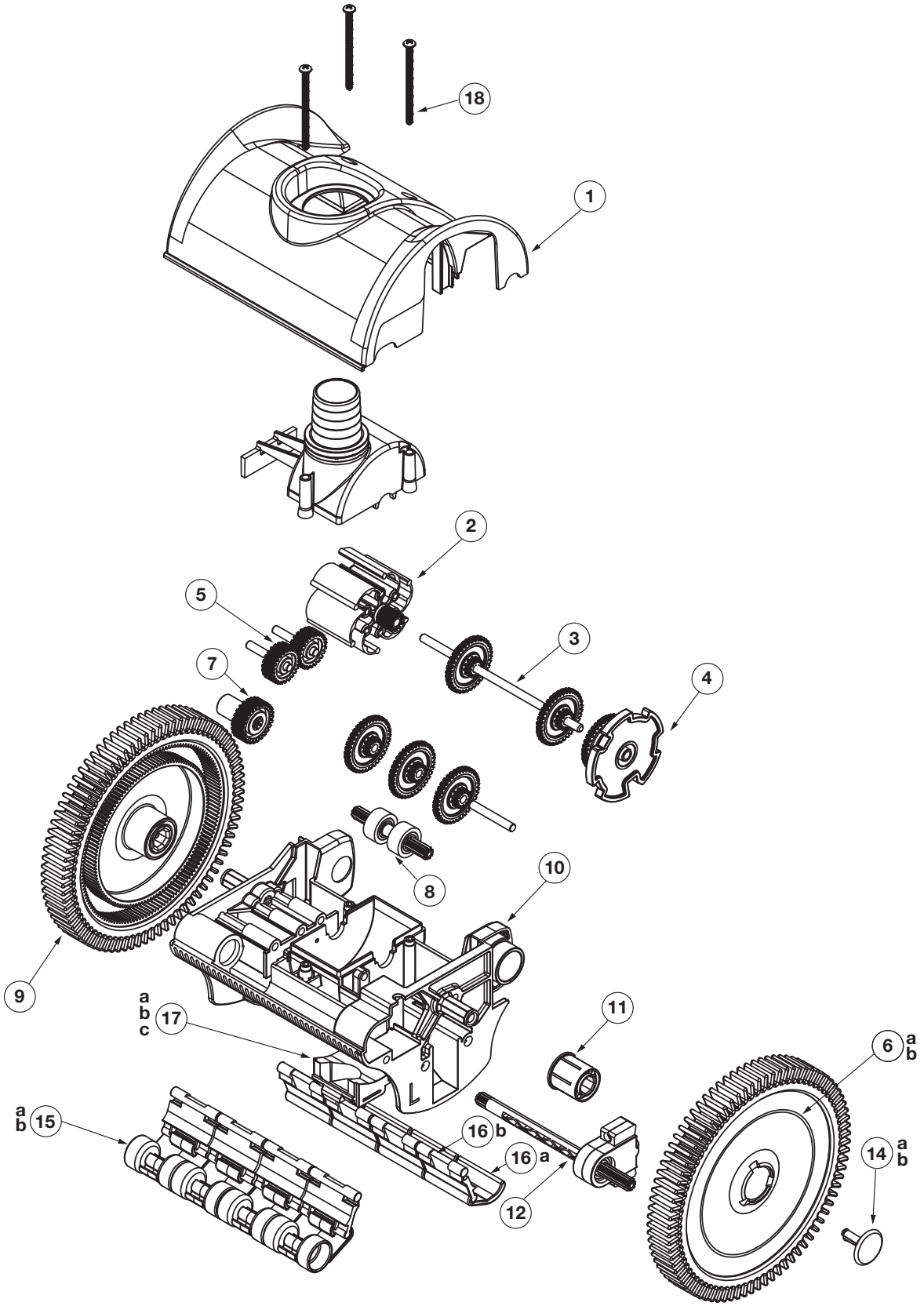
Universal A-Frame Kit
AXV621D
See pages 446–447

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXV070	Cone Gear, Clear	10	**$147.03**
2	AXV301	Intermediate Gear	25	**20.82**
3	AXV309	Intermediate Gear Shaft	50	**4.18**
4	AXV068	Spindle Gear Screw	50	**3.45**
5	AXV303	Spindle Gear	25	**20.82**
6	AXV066A	Spindle Gear Bushing	25	**24.65**
7	AXV306	Cone Gear Bushing	25	**21.22**
8	AXV060WH	Upper Middle Body	10	**155.12**
9	AXV065P	Upper Body Screw *(6 pack)*	25	**17.76**
10	AXV064A	Medium Turbine Drive Gear	25	**24.65**
11	AXV062C	Medium Turbine	25	**36.27**
12	AXV009	Medium Turbine Case with Axle	25	**83.98**
13	AXV408P	Gear Box Assembly	25	**39.52**
14	AXV051AWH	Screen, White	50	**15.66**
15	AXV054FH	Float *(2 pack)*	25	**47.63**
16	AXV050CWH	Lower Middle Body, White	10	**142.19**
17	AXV429WHP	Bumper Assembly	10	**44.65**
18	AXV313	Lower Body Screw *(4 pack)*	25	**14.68**
19	AXV031B	Flap Adjuster	25	**22.26**
20	AXV230DWH	Lower Body, White	10	**76.61**
21	AXV434WHP	Flap Kit, White (2 flaps, front and rear springs)	50	**43.82**
22	AXV604WHP	Wing Kit, White	50	**24.52**
23a	AXV414P	Pod Shoes, Concrete *(4 pack)*	25	**27.42**
23b	AXV413P	Pod Shoes, Vinyl *(4 pack)*	25	**34.09**
23c	AXV014CP	Pod Shoes, Ceramic *(4 pack)*	25	**45.63**
23d	AXV014SP	Pod Shoes, Slotted *(4 pack)*	25	**33.29**
24	AXV314P	Captive Screw and Retaining Clip	25	**7.06**
25a	AXV603	Access Cover Assembly, Concrete	25	**22.34**
25b	AXV603A	Access Cover Assembly, Vinyl	25	**27.71**
25c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25	**22.34**
26	AXV417WHP	Pod Kit, White	25	**82.70**
27	AXV055P	Turbine Bearings *(2 pack)*	50	**28.48**
28	AXV093CP	Skimmer Cone	50	**24.44**
—	AXV079VP	Medium Turbine/Spindle Gear Kit, Vinyl (medium turbine, drive gear, bushing, vinyl spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25	**82.17**

Poolvergnuegen - The PoolCleaner 2 Wheel

Parts Diagram



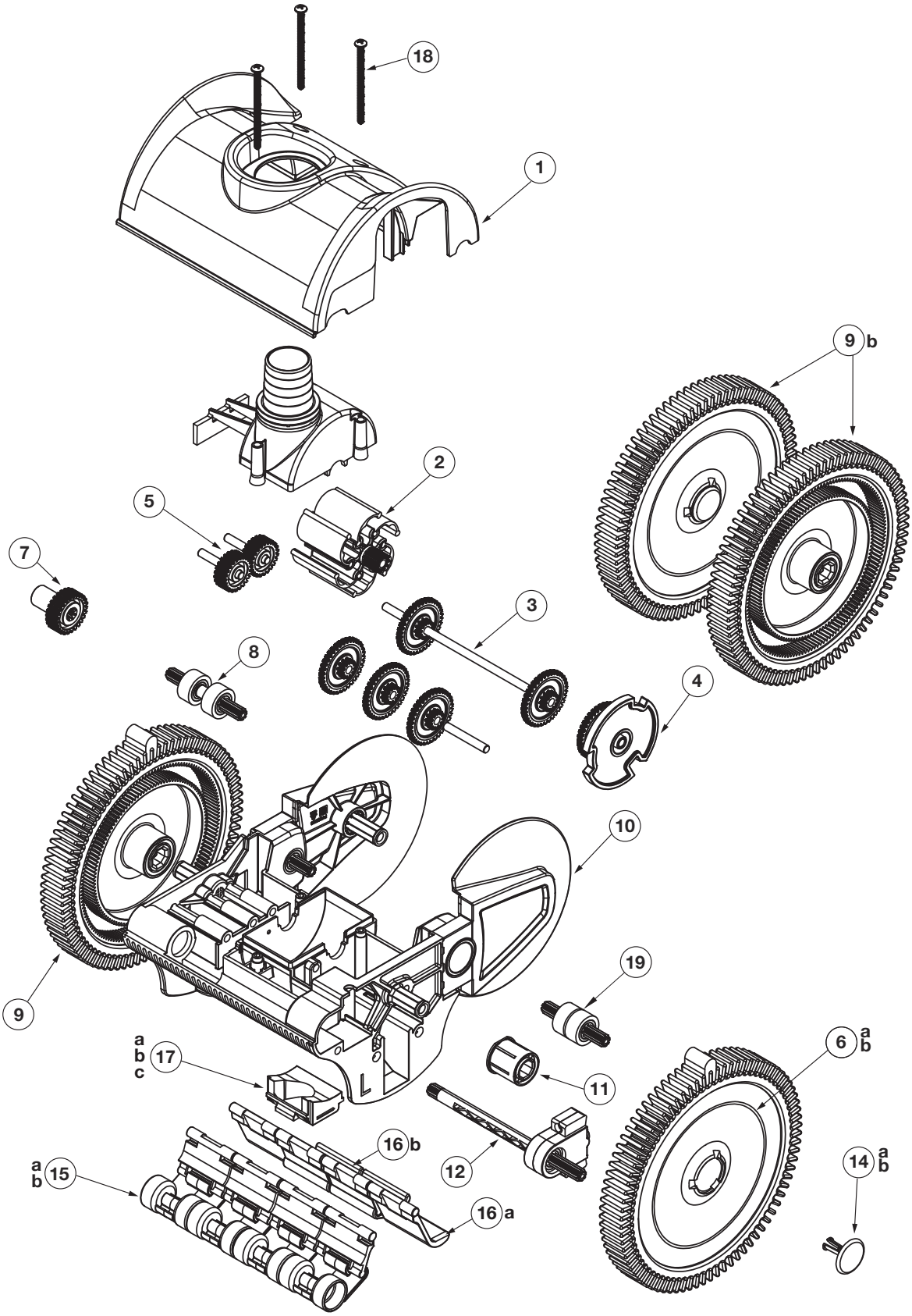
Poolvergnuegen - The PoolCleaner 2 Wheel

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	896584000-181	Upper Body Assembly with (3) Screws, White	1	**$58.14**
2	PVXH038SA	Turbine Kit 6 Vanes	10	**61.31**
3	PVXH009PK5	Gear Reduction *(5 pack)*	10	**13.98**
4	PVXH036009	Steering Cam 2 Wheel	10	**20.61**
5	PVXH008PK2	Small Gear Drive *(2 pack)*	20	**16.05**
6a	896584000-051	Wheel Hub, White	10	**38.05**
6b	896584000-532	Wheel Hub, Gray – Limited Edition	10	**41.80**
7	PVXH007	Large Gear Drive	25	**17.12**
8	PVXH019SA	Shaft Bearing	25	**63.96**
9a	896584000-143	Standard Tires with SUPER Hump, Light Blue *(2 pack)*	10	**84.81**
	896584000-594	Standard Tires with SUPER Hump, Black *(2 pack)*	10	**93.04**
9b	896584000-082	No Hump Tire (Back) Replacement, Light Blue *(2 pack)*	10	**72.11**
	896584000-563	No Hump Tire (Back) Replacement, Black *(2 pack)*	10	**79.17**
9c	PVX679PK2	Super Super Hump Tires, Light Blue – BIG Obstacles *(2 pack)*	10	**102.69**
	896584000-723	Super Super Hump Tires, Black – BIG Obstacles *(2 pack)*	10	**97.55**
9d	896584000-075	3 Fingers Hump Tire, Light Blue *(2 pack)*	10	**72.11**
10	PVX2LB1900GR	2 Wheel Lower Body, Gray – Empty	1	**Discont'd**
11	PVX976PK2	Wheel Bearing *(2 pack)*	10	**34.43**
12	PVXH011SA	Steering Bracket Roller	20	**90.39**
14a	PVXWLC1900WH	Wheel Reatiner Clip, White	20	**3.88**
14b	PVXWLC1900BLK	Wheel Retainer Clip, Black	10	**3.88**
15a	896584000-259	Front Skirts with Rollers, White – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**29.03**
	PVX043042BKPK4	Front Skirts with Rollers, Black – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**31.89**
15b	896584000-419	Bracket for Skirts, White – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**19.48**
	PVXH014BKPK4	Bracket for Skirts, Black – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**21.45**
16a	896584000-099	Rear Skirts, White – 2 Wheel *(4 per Kit)*	10	**19.48**
	PVXH013BKPK4	Rear Skirts, Black – 2 Wheel *(4 per Kit)*	10	**21.45**
16b	896584000-419	Bracket for Skirts, White – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**19.48**
	PVXH014BKPK4	Bracket for Skirts, Black – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**21.45**
17a	PVX990S-207	Suction Inlet Small, Gray	10	**11.14**
17a	PVX990S244	Suction Inlet Small, Blue	10	**10.48**
17b	PVX990M-236	Suction Inlet Medium, Black	10	**11.14**
17c	PVX990L-207	Suction Inlet Large, Gray	10	**11.14**
17c	PVX990L244	Suction Inlet Large, Blue	10	**10.48**
18	896584000-204	Upper Body Assembly Screw Kit (3 screws per kit)	25	**Discont'd**
—	PVX280PK2	Hose Float, White *(2 pack)*	10	**37.47**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**38.16**
—	896584000-068	Turbine Shroud Hose Swivel	10	**38.05**

Poolvergnuegen - The PoolCleaner 4 Wheel

Parts Diagram

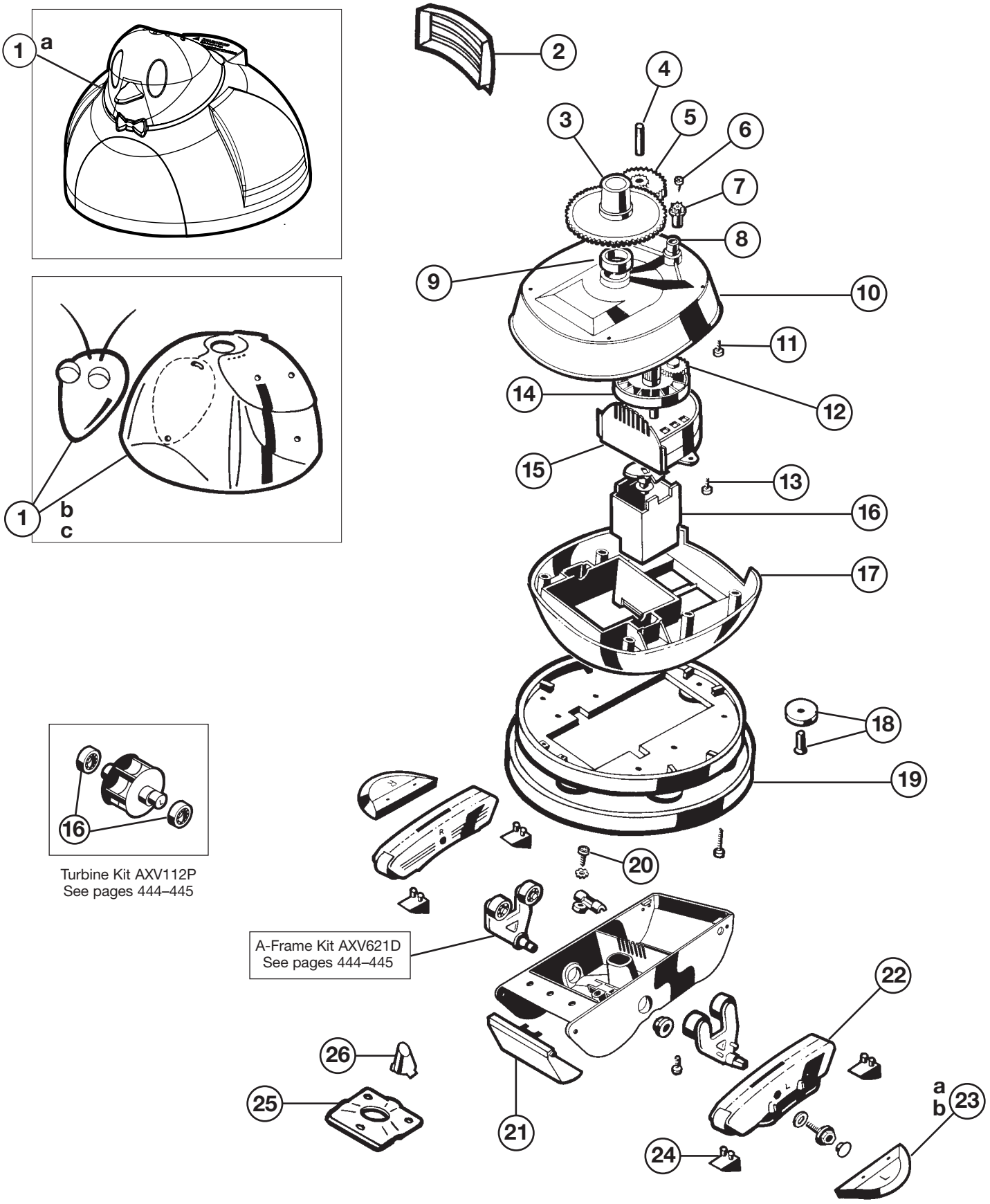


Poolvergnuegen - The PoolCleaner 4 Wheel

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	896584000-181	Upper Body Assembly with (3) Screws, White	1	**$58.14**
2	PVXH038SA	Turbine Kit 6 Vanes	10	**61.31**
3	PVXH009PK5	Gear Reduction *(5 pack)*	10	**13.98**
4	PVXH010009	Steering Cam 4 Wheel	10	**20.61**
5	PVXH008PK2	Small Gear Drive *(2 pack)*	20	**16.05**
6a	896584000-051	Wheel Hub, White	10	**38.05**
6b	896584000-532	Wheel Hub, Gray – Limited Edition	10	**41.80**
7	PVXH007	Large Gear Drive	25	**17.12**
8	PVXH019SA	Shaft Bearing	25	**63.96**
9a	896584000-143	Standard Tires with Super Hump, Light Blue *(2 pack)*	10	**84.81**
	896584000-594	Standard Tires with Super Hump, Black *(2 pack)*	10	**93.04**
9b	896584000-082	No Hump Tire (Back) Replacement, Light Blue *(2 pack)*	10	**72.11**
	896584000-563	No Hump Tire (Back) Replacement, Black *(2 pack)*	10	**79.17**
9c	PVX679PK2	Super Super Hump Tires, Light Blue *(2 pack)* – Big Obstacles	10	**102.69**
	896584000-723	Super Super Hump Tires, Black *(2 pack)* – Big Obstacles	10	**97.55**
9d	896584000-075	3 Fingers Hump Tires, Light Blue *(2 pack)*	10	**72.11**
10	PVX4LB1900GR	4 Wheel Lower Body, Gray – Empty	1	**46.09**
11	PVX976PK2	Wheel Bearing *(2 pack)*	10	**34.43**
12	PVXH011SA	Steering Bracket Roller	20	**90.39**
14a	PVXWLC1900WH	Wheel Reatiner Clip, White	20	**3.88**
14b	PVXWLC1900BLK	Wheel Retainer Clip, Black	10	**3.88**
15a	896584000-259	Front Skirts with Rollers, White, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**29.03**
	PVX043042BKPK4	Front Skirts with Rollers, Black, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**31.89**
15b	896584000-419	Bracket for Skirts, White, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**19.48**
	PVXH014BKPK4	Bracket for Skirts, Black, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**21.45**
16a	896584000-105	Rear Skirt Kit, White (2 Hinged / 2 Non-Hinged) – 4 Wheel only	10	**19.48**
	PVX013028BK	Rear Skirt Kit, Black (2 Hinged / 2 Non-Hinged) – 4 Wheel only	10	**25.80**
16b	896584000-419	Bracket for Skirts, White, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**19.48**
	PVXH014BKPK4	Bracket for Skirts, Black, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**21.45**
17a	PVX990S-207	Suction Inlet Small, Grat	10	**11.14**
17a	PVX990S244	Suction Inlet Small, Blue	10	**10.48**
17b	PVX990M-236	Suction Inlet Medium, Black	10	**11.14**
17c	PVX990L-207	Suction Inlet Large, Gray	10	**11.14**
17c	PVX990L244	Suction Inlet Large, Blue	10	**10.48**
18	896584000-204	Upper Body Assembly Screw Kit *(3 screws per Kit)*	25	**17.75**
19	PVXH020SA	Gear Shaft 4 Wheel	25	**63.96**
—	PVX280PK2	Hose Float, White *(2 pack)*	10	**37.47**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**38.16**
—	896584000-068	Turbine Shroud Hose Swivel	10	**38.05**

Parts Diagram



Turbine Kit AXV112P
See pages 444–445

A-Frame Kit AXV621D
See pages 444–445

Penguin/Wanda the Whale®/Diver Dave®/AquaBug®/AquaCritter

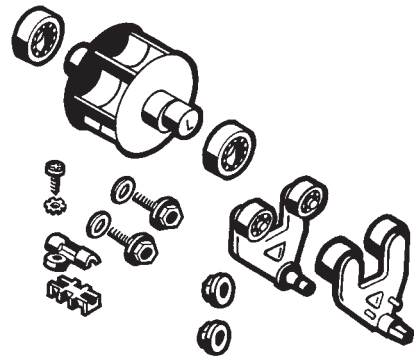
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1a	AXV100P	Shell Assembly Kit, Penguin	1	1	**Discont'd**
1b	AXV500AOR	Shell Assembly Kit AquaBug, Orange	1	1	**Discont'd**
1c	AXV500AYL	Shell Assembly Kit Aqua Critter, Yellow	1	1	**Discont'd**
2	AXV513BK	Screen, Black	10	1	**$22.42**
3	AXV070	Cone Gear	10	1	**147.03**
4	AXV309	Intermediate Gear Shaft	50	1	**4.18**
5	AXV301	Intermediate Gear	25	1	**20.82**
6	AXV068	Spindle Gear Screw	50	1	**3.45**
7	AXV303	Spindle Gear	25	1	**20.82**
8	AXV066A	Spindle Gear Bushing	25	1	**24.65**
9	AXV306	Cone Gear Bushing	25	1	**21.22**
10	AXV060WH	Upper Middle Body	10	1	**155.12**
11	AXV065P	Lower/Upper Body Screw *(6 pack)*	25	1	**17.76**
12	AXV064A	Medium Turbine Drive Gear	25	1	**24.65**
13	AXV062C	Medium Turbine	25	1	**36.27**
14	AXV009	Medium Turbine Case with Axle	25	1	**83.98**
15	AXV055P	Turbine Bearings (2)	50	1	**28.48**
16	AXV518P	Gear Box	25	1	**48.32**
17	AXV050CWH	Lower Middle Body	10	1	**142.19**
18	AXV551P	Wheel Kit (6 wheels, axles)	25	1	**69.99**
19	AXV458	Ring, Black	5	1	**52.95**
20	AXV313	Lower Body Screw	25	1	**14.68**
21	AXV442	Flap Kit, White (2 flaps, front and rear)	50	1	**43.80**
22	AXV417WHP	Pod Kit	25	1	**82.70**
23a	AXV552WHP	Wing Kit, White	50	1	**29.09**
23b	AXV552ORP	Wing Kit, Orange	50	1	**26.93**
24	AXV014SP	Slotted Santoprene Shoes *(4 pack)*	25	1	**33.29**
25	AXV304A	Bottom Plate	20	1	**Discont'd**
26	AXV512A	Nozzle	50	1	**Discont'd**

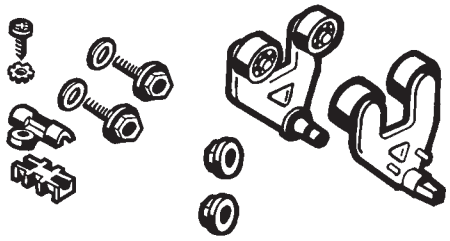
Penguin/Wanda the Whale®/Diver Dave®/AquaBug®/AquaCritter

Parts Diagram

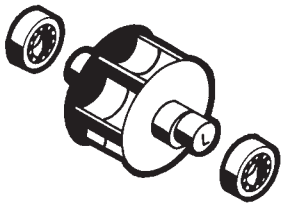
AXV621DAT Universal A-Frame/Turbine Kit



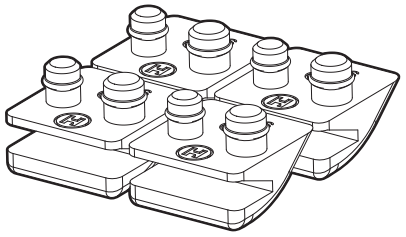
AXV621D Universal A-Frame Kit



AXV112P Turbine Kit Above Ground

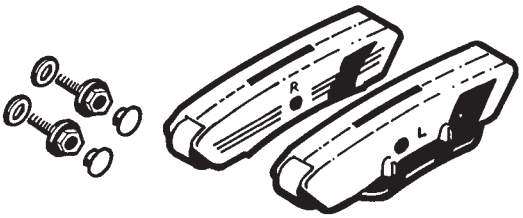


AXV014SP Pod Shoes

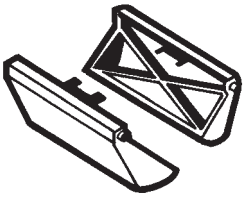


NOTE: *Limited quantities available

AXV417WHP Pod Kit, White

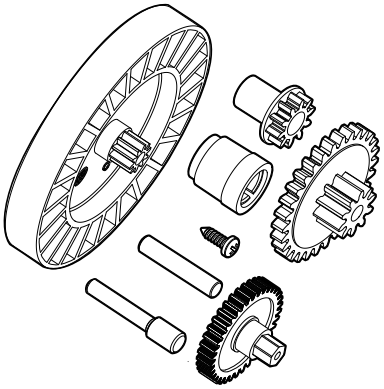


AXV434WHP Flap Kit



AXV093BP Skimmer Adapter Cone

AXV079VP Medium Turbine/Spindle Gear Kit



Penguin/Wanda the Whale®/Diver Dave®/AquaBug®/AquaCritter

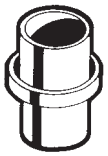
Parts Listing

Part No.	Description	Ctn. Qty.	No. Req'd	List Price
AXV014SP	Pod Shoes, Santoprene *(4 pack)*	25	1	**$33.29**
AXV014FNP	Pod Shoe Kit, Vinyl *(4 pack)*	25	1	**33.56**
AXV434WHP	Flap Kit, White (Includes front and rear flap assemblies)	50	1	**43.82**
AXV621DAT	A-Frame/Turbine Kit (Includes two A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws and pod screw washers)	10	1	**103.21**
AXV055P	Turbine Bearing Kit *(2 pack)*	50	1	**28.48**
AXV065P	Upper Body Screw Kit *(6 pack)*	25	1	**17.76**
AXV079VP	Medium Turbine/Spindle Gear Kit, Vinyl (medium turbine, drive gear, bushing, spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25	1	**82.17**
AXV621D	A-Frame Kit (Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and two pod screw washers)	25	1	**75.50**
AXV112P	Turbine Kit, Above Ground (Includes main turbine and two turbine bearings)	25	1	**79.27**
AXV417WHP	Pod Kit, White (Includes right and left pod assemblies)	25	1	**82.70**
AXV699P	A-Frame Bushing/Saddle Kit	25	1	**12.18**
AXV552WHP	Wing Kit, White (Includes left and right wings)	50	1	**29.09**
AXV552ORP	Wing Kit, Orange (Includes left and right wings)	50	1	**26.93**

NOTE: For Tune-up Kits see page 65.

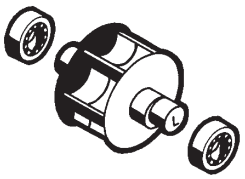
Parts Diagram

AXV092 Hose Connector

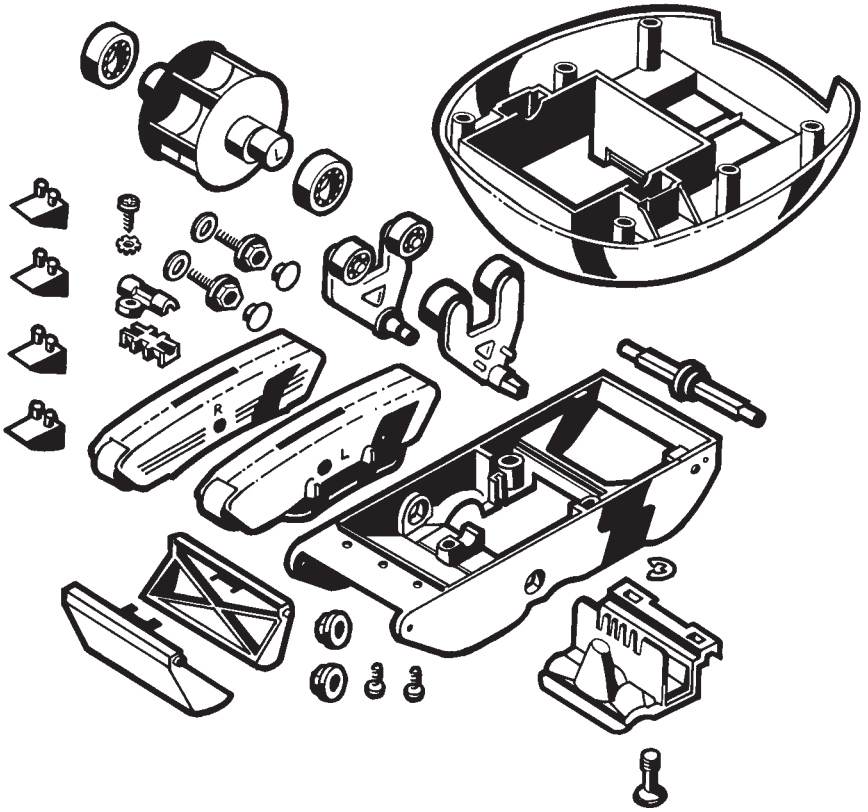


AXV098 Hose Adapter

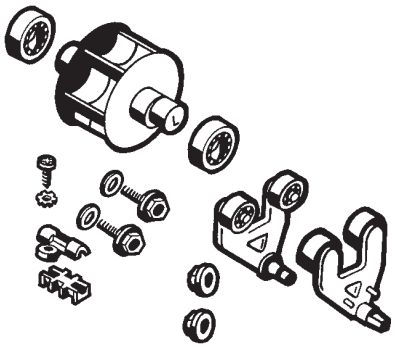
AXV602P Turbine Kit



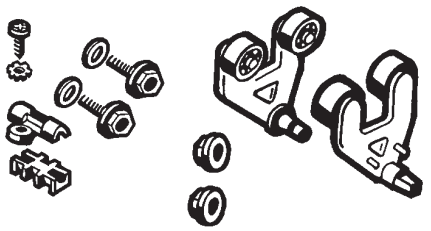
AXV622DPK Propulsion/Conversion Kit



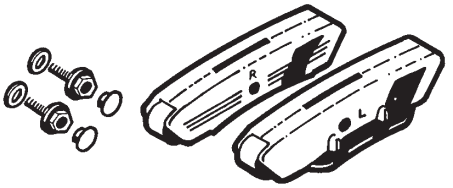
AXV621DAT Universal Model A-Frame/Turbine Kit



AXV621D Universal A-Frame Kit



AXV417WHP Pod Kit



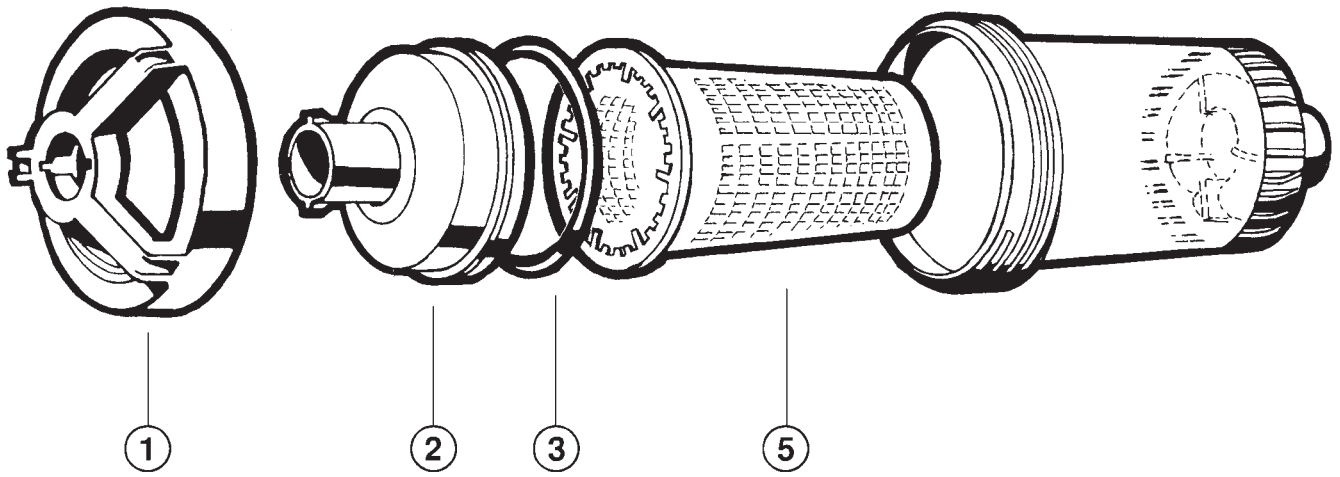
Parts Listing

Part No.	Black	Description	Ctn. Qty.	List Price
AXV414604WHP	—	**Shoe and Wing Maintenance Kit** (Includes one set of concrete shoes and one set of wings)	50	**$49.20**
AXV079VP	—	**Medium Turbine/Spindle Gear Kit** (Includes medium turbine, drive gear bushing, spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25	**82.17**
AXV621D	—	**Universal A-Frame Kit** (Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and pod screw washers)	25	**75.50**
AXV602P	—	**Turbine Kit** (Includes main turbine and two turbine bearings)	25	**79.27**
AXV621417WHP		**A-Frame and Pod Tune Up Kit** (Includes two soft roller A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws, pod screw washers, right and left pods and pod plugs)	10	**176.68**
AXV621DAT	—	**Universal A-Frame/Turbine Kit** (Includes two soft roller A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws and pod screw washers)	10	**103.21**
AXV417WHP	AXV417BKP	**Pod Kit** (Includes right and left pods and pod plugs)	25	**82.70**
AXV699P	—	**A-Frame/Bushing/Saddle Kit** Includes two bushings, saddle, keeper, screw and washer)	25	**12.18**
AXV622DPK	AXV622DPKBK	**Concrete Universal Propulsion/Conversion Kit** (Includes access cover assembly, lower body and screws, A-frames and bushings, saddle, keeper, screw and washer, pods, hex head pod screws and washers, flaps and springs, flap adjuster, turbine and bearings, shoes and lower middle body)	1	**390.67**
AXV622604WHP	—	**Propulsion and Wing Rebuild Kit** (Includes access cover assembly, lower body and screws, A-frames and bushings, saddle, keeper, screw and washer, pods, hex head pod screws and washers, flaps and springs, flap adjuster, turbine and bearings, shoes and lower middle body)	1	**390.75**
AXV092	—	**Hose Connector**	25	**14.36**
AXV098	—	**Hose Adapter**	25	**12.26**

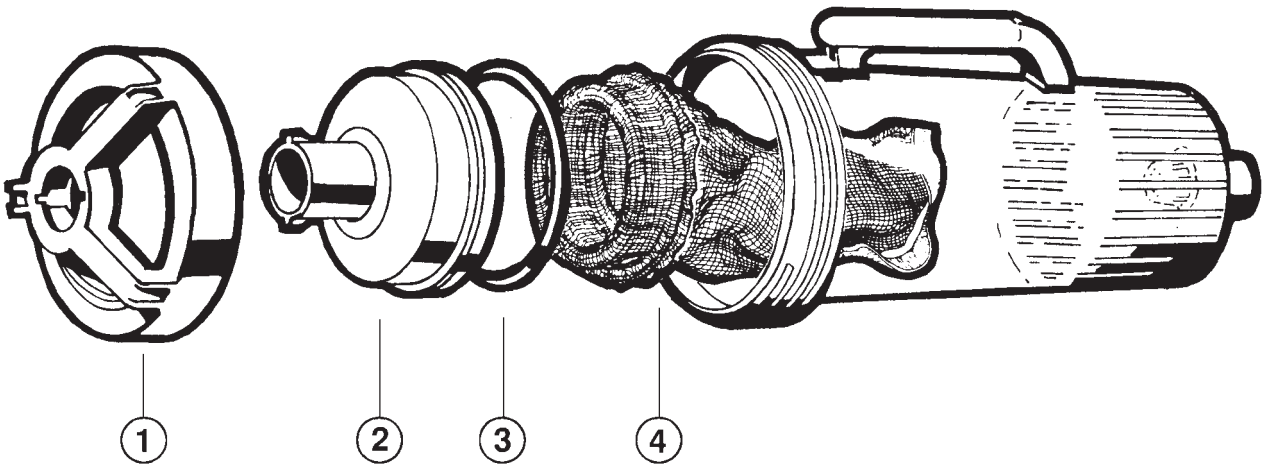
Leaf Canisters

Parts Diagram and Parts Listing

W560 LEAF CANISTER Standard Capacity



W530 LEAF CANISTER Large Capacity



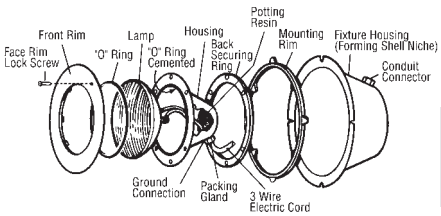
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXW532BL	Lock Ring for W530 and W560	5	**$41.83**
2	AXW533AGR	Lid with O-Ring Assembly	10	**68.50**
3	AXW542	Leaf Canister O-Ring for W530 and W560	25	**17.68**
4	AXW538	Permanent Bag for W530	5	**55.47**
5	AXW431ABK	Leaf Basket for W560	8	**14.49**
—	AXV098	Hose Adapter for W530 and W560	25	**13.64**

TRACVAC™ SUCTION CLEANER: ENDLESS TRACTION FOR A MEAN CLEAN.

The Hayward TracVac is an in-ground, suction cleaner designed for maximum clean with minimal effort. The use of tracks provides improved operational efficiencies which allow the TracVac to overcome obstacles better than standard wheeled options. Don't be fooled, this cleaner is small but mighty. Its modest size allows the TracVac to navigate any pool surface with speed and agility and light-weight construction makes it easy to handle.

Not Expert Line® eligible.

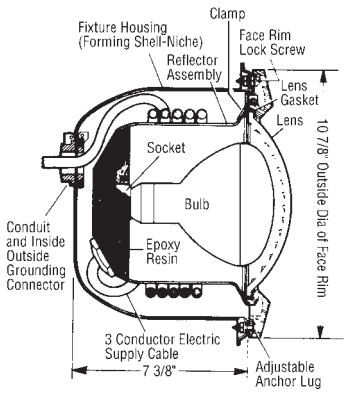
Underwater Lights & Accessories



SP0500, 0501, 0502

Cat. Nos. SP0500, 0501, 0502 Sealed Beam Series

Part No.	Description	Ctn. Qty.	List Price
SPX0502Z1	Bulb, 300W, 12V, PAR 56 WFL	12	**Discont'd**
SPX0501HJ	O-Rings, Large and Small (Set), Special Hi-Temp	1	**$77.03**
SPX0503Z20A	Face Rim Lockscrew with Washer	25	**22.09**
SPX0502A	Front Rim, CPB	10	**Discont'd**
SPX0502Z66	Securing Rim Screw *(Set of 6)*	0	**25.20**



SP0560, 0570 SERIES

Cat. Nos. SP0560, 0570 (DuraLite Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0580A1	Molded Face Plate (for 570 Series with N Suffix)	20	**$79.98**
SPX0570A	Molded Face Rim with Integral Flange (Smooth)	5	**63.80**
SPX0560EA	Clamp Screw with Nut and Washer	60	**24.24**
SPX0540Z16A	Retainer Screw Set	10	**24.53**

NOTE: All other parts same as standard SP0580 Astrolite Series.

Cat. Nos. SP0580, 0580S (AstroLite™ Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0580A	Molded Face Rim	4	**$65.94**
SPX0580AS	Stainless Steel Face Rim	20	**112.64**
SPX0580Z2	Lens Gasket	100	**47.51**
SPX0580B	Assembly Clamp with Screw, Nut and Washer (SP0580 Series)	20	**47.77**
SPX0580BS	Assembly Clamp with Screw, Nut and Washer (SP0580S Series)	20	**48.93**
SPX0580Z3	Face Rim Lockscrew with Fastener – SP580S	20	**22.30**
SPX0580Z1	Face Rim Lockscrew with Fastener – SP580	10	**23.35**

NOTE: All other parts same as Starlite Series.

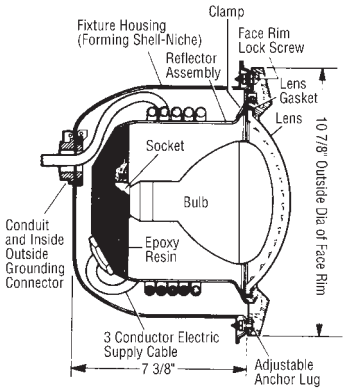
Cat. Nos. SP0590S, 0590HS (AstroLite II Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0590A	Stainless Steel Face Rim	5	**$93.24**
SPX0590E	Snap-on Plastic Face Rim	50	**23.40**
SPX0590G	Lens Gasket	10	**44.58**
SPX0590Z2A	Face Rim Lockscrew with Fastener	10	**19.65**
SPX0590K	Blue and Red Replacement Lens Cover Kit	12	**Discont'd**
SPX0608C	Face Ring Assembly	10	**44.31**
SPX0608G	Gasket	10	**15.54**
SPX0608CP	Card Seal Kit	10	**15.54**

Cat. Nos. SP0560, 0570 (DuraLite Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0580A1	Molded Face Plate (for 570 Series with N Suffix)	20	**$79.98**
SPX0570A	Molded Face Rim with Integral Flange (Smooth)	5	**63.80**
SPX0560EA	Clamp Screw with Nut and Washer	60	**24.24**
SPX0540Z16A	Retainer Screw Set	10	**24.53**

NOTE: All other parts same as standard SP0580 Astrolite Series.



SP0560, 0570 SERIES

Cat. Nos. SP0580, 0580S (AstroLite™ Series)

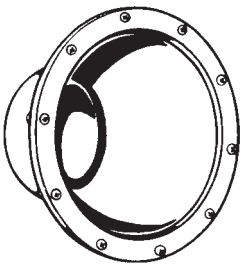
Part No.	Description	Ctn. Qty.	List Price
SPX0580A	Molded Face Rim	4	**$65.94**
SPX0580AS	Stainless Steel Face Rim	20	**112.64**
SPX0580Z2	Lens Gasket	100	**47.51**
SPX0580B	Assembly Clamp with Screw, Nut and Washer (SP0580 Series)	20	**47.77**
SPX0580BS	Assembly Clamp with Screw, Nut and Washer (SP0580S Series)	20	**48.93**
SPX0580Z3	Face Rim Lockscrew with Fastener – SP580S	20	**22.30**
SPX0580Z1	Face Rim Lockscrew with Fastener – SP580	10	**23.35**

NOTE: All other parts same as Starlite Series.

Underwater Lights & Accessories

Cat. Nos. SP0590S, 0590HS (AstroLite II Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0590A	Stainless Steel Face Rim	5	**$93.24**
SPX0590E	Snap-on Plastic Face Rim	50	**23.40**
SPX0590G	Lens Gasket	10	**44.58**
SPX0590Z2A	Face Rim Lockscrew with Fastener	10	**19.65**
SPX0550Z4	12V, 100W Bulb – Incandescent	12	**Discont'd**
SPX0551Z4	120V, 100W Bulb – Incandescent	1	**Discont'd**
SPX0591H	120V, 100W Bulb – Halogen	12	**Discont'd**
SPX0590K	Blue and Red Replacement Lens Cover Kit	12	**Discont'd**
SPX0608C	Face Ring Assembly	10	**44.31**
SPX0608G	Gasket	10	**15.54**
SPX0608CP	Card Seal Kit	10	**15.54**



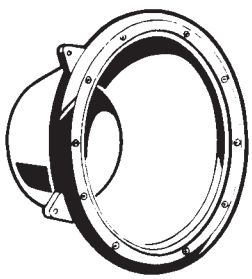
SP0506

Cat. Nos. SP0600, 0607, 0608U PVC Niches

Part No.	Description	Ctn. Qty.	List Price
SPX0600G	Grounding Bracket Assembly	1	**$83.20**
SPX0555Z2	Bottom Mounting Screw (SP0600 and SP0607)	10	**20.21**
SPX0507A1	Front Frame, White (SP0607)	5	**60.15**
SPX0507A1DGR	Front Frame, Dark Gray (SP0607)	5	**59.96**
SPX0506D	Gasket (607)	10	**28.96**
SPX0507D	Back Retaining Ring (SP0607)	5	**56.87**
SPX0607Z1A	Screw Set	25	**27.88**
SPX0608C	Face Ring Assembly, White	10	**44.31**
SPX0608CDGR	Face Ring Assembly, Dark Gray	10	**41.76**
SPX0608G	Gasket	10	**15.54**
SPX0608CP	Cord Seal Kit	10	**15.54**

Cat. Nos. LFGUY1000 & LGGUY1000 PVC Niches

Part No.	Description	Ctn. Qty.	List Price
SPX0608CP	Cord Seal Kit	10	**$15.54**
SPX0800LPAK2	Latch for Shallow Niche	10	**9.82**
SPX0506A	Front Frame, CPB	5	**383.82**
SPX0506D	Gasket	10	**28.96**
SPX0506Z1A	Screw Set	1	**38.97**
SPX0800Z1	UCL Pool Light Retainer Screw Kit	10	**24.69**
SPX0601Z2PAK4	UCL Spa Light Plastic Retainer Screw Kit	10	**9.07**



SP0507, 0607

Cat. No. SP0507 Shell Assemblies

Part No.	Description	Ctn. Qty.	List Price
SPX0507A1	Front Frame, ABS, White	5	**$60.15**
SPX0506D	Gasket	10	**28.96**
SPX0507D	Back Retaining Rim	5	**56.87**

Cat. Nos. SP0550, 0551 (StarLite II Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0550Z2	Lens Gasket, Hi-Temp	20	**$42.70**
SPX0540Z4A	No. 10-24 Hex. Nut with Washer for Studs	10	**17.39**
SPX0550Z4	100 Watt, 12 Volt Bulb, R-20	12	**Discont'd**
SPX0551Z4	100 Watt, 120 Volt Bulb, R-20	1	**Discont'd**

Cat. No. SP056525, SP056525A – Elite Above-Ground Light

Part No.	Description	Ctn. Qty.	List Price
SPX0565Z1	Replacement 12 Volt/50 Watt Halogen Lamp with Reflector	20	**Discont'd**
SPX0565BA	Lens for Model SP056525A	6	**Discont'd**
SPX0565G	Gasket	10	**$37.23**
SPX0565N	Fastening Nut	10	**24.61**

Cat. No. LACUx11xxx – 320

Part No.	Description	Ctn. Qty.	List Price
GLX-HAL-CRING	Replacement Compression Ring for 320	1	**$30.41**

WFB200 Optional Accessories

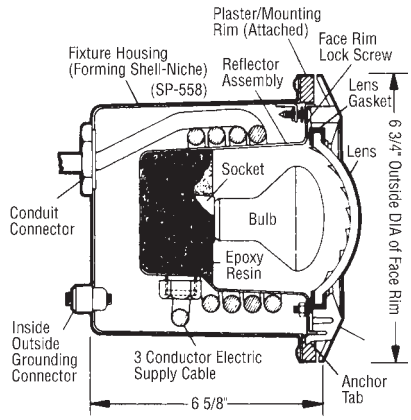
Part No.	Description	Ctn. Qty.	List Price
GLXB200THRDKT	Bubbler 200 Threaded Insert	1	**$11.24**
GLXB200TRMLNSKT	Bubbler 200 Trim And Lens Kit	1	**185.41**
GLXB200WNTRKIT	Bubbler 200 Winterizing Kit	1	**35.35**
GLXB200GSKTKT	Bubbler 200 Gaskets and Screws	1	**63.35**
GLXBWNTRKIT	Winterization Kit	1	**32.88**
GLXBKTGR	Replacement Nozzle Kit – Gray	1	**109.53**
GLXBKTGR	Replacement Nozzle Kit – Dark Gray	1	**109.53**
GLXBKTWT	Replacement Nozzle Kit – White	1	**109.53**
GLXBLNGR	Replacement Lens Kit – Gray	1	**89.08**
GLXBLNDG	Replacement Lens Kit – Dark Gray	1	**89.08**
GLXBLNWT	Replacement Lens Kit – White	1	**91.31**
GLXBKTNOZ	Extender Nozzle	1	**11.33**

WFB100 Optional Accessories

Part No.	Description	Ctn. Qty.	List Price
GLXBWNTRKIT	Winterization Kit	5	**$32.88**
GLXBKTGR	Replacement Nozzle Kit – Gray	10	**109.53**
GLXBKTGR	Replacement Nozzle Kit – Dark Gray	10	**109.53**
GLXBKTWT	Replacement Nozzle Kit – White	5	**109.53**
GLXBLNGR	Replacement Lens Kit – Gray	5	**89.08**
GLXBLNDG	Replacement Lens Kit – Dark Gray	5	**89.08**
GLXBLNWT	Replacement Lens Kit – White	5	**91.31**
GLXBKTNOZ	Extender Nozzle	10	**11.33**

NOTES: Color Kit Includes: Colored Trim Ring with Matching Nozzles and Plaster/Winterization Shield with Tool

Lens Kit Includes: Colored Trim Ring with Matching Nozzles and Replacement Lens



SP0550

TAKE POWER TO THE NEXT LEVEL.

SMARTPOWER® TRANSFORMER

Add personality to your pool with four zones of lighting control from one transformer. Need to show off for the big game? Alternate your favorite teams' colors between the pool, spa or water features to let the neighborhood know who you're rooting for. No high voltage relays or additional transformers required.

4 ZONES OF LIGHTING | 1 TRANSFORMER

Suction Outlets

Part Number	Description	Ctn. Qty.	List Price
SPX1411Z5A*	Grate Securing Screw *(Set of 2)* – SP1048C	25	**Discont'd**
WGX1153B	Extension Collar with Inserts	10	**$27.80**
SPX1058DPAK2	Gasket Kit *(Set of 2)* – SP1058, SP1059	25	**38.13**
WGX1048B*	Vinyl Ring, 7 7/8" O.D. (SP1048, SP1049, WG1048, WG1049)	40	**22.79**
SPX1048DPAK2	Gasket Kit *(Set of 2)* – SP1048, SP1049, WG1048, WG1049	50	**20.17**
SPX1039Z18	Vinyl Ring Screw *(Set of 8)* (SP1048, SP1049, WG1048, WG1049)	20	**17.28**
WGX1048E*,**	Cover, Suction Outlet – White (All Round Suction Outlets)	10	**37.39**
SPX1030Z1A	Cover Screw *(Set of 2)* (SP1048E only)	25	**6.24**
WGX1030Z1A	Cover Screw *(Set of 2)* (WGX1048E on drains without metal inserts only)	100	**7.50**
WGX1030Z1AM	Cover Screw *(Set of 2)* (WGX1048E on drains with metal inserts only)	100	**7.50**
SPX1030Z2A	Cover Screw *(Set of 2)* (SPX1048E on SP1048, SP1049 drains only)	25	**6.14**
WGX1030Z2A	Cover Screw *(Set of 2)* (WGX1048E on SP1048, SP1049 drains without metal inserts only)	100	**7.47**
WGX1030Z2AM	Cover Screw *(Set of 2)* (WGX1048E on SP1048, SP1049 drains with metal inserts only)	100	**7.40**
SPX1051Z1	1 1/2" Plastic Pipe Plug	50	**6.29**
SPX1053Z1	2" Plastic Pipe Plug	100	**6.61**
SPX1035B	Gasket (SP1035AV)	10	**Discont'd**

NOTES: *Available in Gray, Dark Gray and Black – add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Includes all necessary cover screw sets for use on sumps and frames with or without metal inserts.

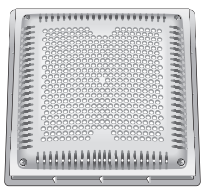
WG1051AVPAK2

WG1153AVPAK2

WG1030AVPAK2

Gutter Drains

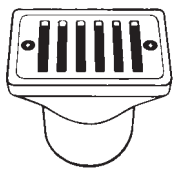
Part Number	Description	Ctn. Qty.	List Price
SP1019BA	Grate with Screw Set (SP1019)	100	**$8.99**



WG1032HF2PAK2

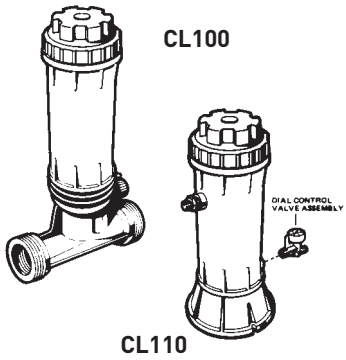
Stratum® Vacuum Release System

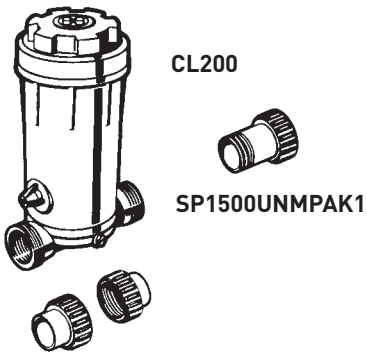
Part Number	Description	Ctn. Qty.	List Price
VRX100BF	5/16" Tube Bulkhead Fitting	1	**Discont'd**
VRX100E	Solenoid Valve	12	**Discont'd**
VRX100PAK	Tube Replacement Kit	5	**Discont'd**
VRX100H	Electrical Fuses *(pack of 10)*	—	**Discont'd**
VRX100F	Vent Filter	5	**Discont'd**
VRX100KIT2	Saddle Clamp Kit	5	**Discont'd**
CLX220J25	5/16" Tube x 25'	5	**Discont'd**
VRXPCBA	Circuit Board	1	**$2,543.55**

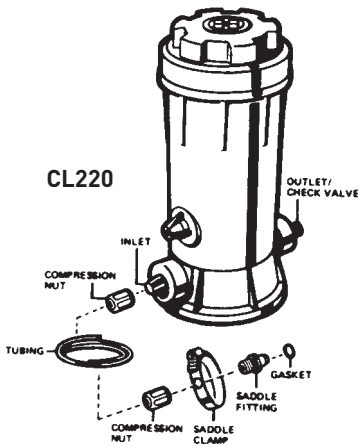


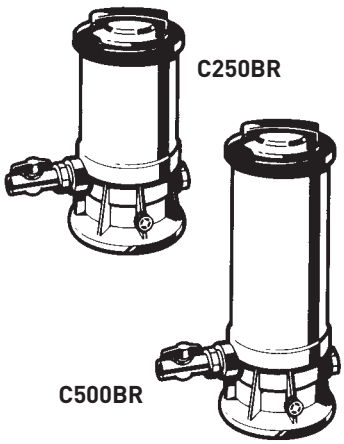
SP1019

Chlorine & Bromine Feeders









CL100 and CL110 Series Chlorine Feeders

Part No.	Description	Ctn. Qty.	List Price
CLX110C*	Cover	8	**$37.24**
CLX110K	O-Ring, Special Composition Viton	100	**46.23**
CLX110DA	Dial Control Valve Assembly	50	**41.49**
CLX110FA	Control Knob Assembly (CL100)	100	**30.52**

NOTES: Fittings, tubing, clamps, drain plug and check valve are same as CL200 and CL220 Series.
*For bromine feeders, add a "2" to the end of the part number.

CL200 and CL220 Series Chlorine Feeders

Part No.	Description	Ctn. Qty.	List Price
CLX200EGA	Cover Retaining Screw with Slip Washers and Center Cap	50	**$20.45**
CLX200C*	Cover Cap	5	**45.24**
CLX200CA	Cover and Cap Assembly (Includes O-Ring)	5	**157.56**
CLX200B*	Cover	5	**37.66**
CLX200K	O-Ring, Special Composition Viton	100	**52.12**
CLX200DA	Feeder Tube and Boot	40	**10.77**
CLX200PA	Control Knob Assembly with O-Rings (Viton) – large (1989)	100	**31.49**
SPX1700FGV	Drain Plug with Gasket	100	**9.86**
CLX220B	Base (CL220)	10	**32.26**
CLX200BS	Base (CL200)	10	**35.03**
CLX220EA	Check Valve and Inlet Fitting Adapter Assembly	100	**25.80**
CLX220G	Saddle Fitting	100	**6.30**
CLX220GA	Saddle Fitting, Nut, Gasket, Saddle Clamp and 4 ft. Tubing	20	**40.50**
CLX220K	Saddle Clamp	10	**15.45**
CLX220J	8 ft. Length Chlorinator Tubing	25	**25.56**
CLX220HPAK4	Compression Nut *(Set of 4)*	25	**19.44**
CLX220P	1/4" Adapter Fitting	50	**4.64**
SPX1091Z7TC	Combo Adapter with 1/4" Tap	50	**12.67**
SPX1105Z4TC	Elbow Adapter with 1/4" Tap	10	**17.02**
SPX1480BTC	Union End with 1/4" Tap	50	**32.44**
SP1500UNPAK2	Female Union End Connector Pak (includes 2 each Socket Connector, Union Nut, O-Ring)	50	**27.32**
SP1500UNMPAK1	Male Union End Connector Pak (includes 1 each 1 1/2" MPT Nipple Connector, Union Nut, O-Ring)	50	**24.55**

NOTE: *For bromine feeders, add a "2" to the end of the part number.

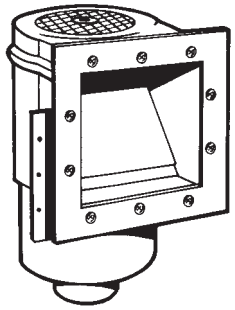
C250CF, 500CF, 1100CF, 1800CF Chemical Feeders (see note)

Part No.	Description	Ctn. Qty.	List Price
SPX3100D	Cover	10	**$123.35**
SP3100T	Cover Removal Tool	25	**40.63**
SPX3000SV	Cover O-Ring, Special Composition Viton	50	**96.33**
CX500J	Strainer	0	**33.46**
CX250Z14A	1/2" Drain Plug	50	**13.05**
SPX0605Z2V	Drain Plug O-Ring, Special Composition Viton	10	**13.74**
CX500BV	3/4" Control Valve with Dial Indicator (C250BR, 500BR)	15	**93.20**
CX500CV	3/4" Check Valve (C250BR, 500BR)	25	**88.03**
CX1100CV	1 1/2" Check Valve	5	**Discont'd**
CX1100P	Handle for Control Valve	—	**Discont'd**

NOTE: Formerly "BR" (Bromine) and "BRC" (Chlorine) feeders.

Cat. Nos. SP1090, SP1090WM, 1092

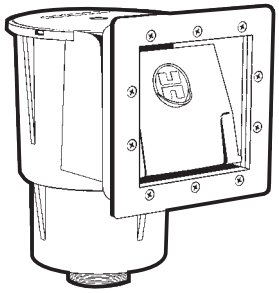
Part No.	Description	Ctn. Qty.	List Price
SPX1096CA	Basket, 5 1/8" O.D. x 3"	10	**$19.54**
SPX1096B	Cover	10	**26.64**
SPX1096A2	Basket Support Ring	50	**11.72**
SPX1096K	Weir	10	**35.11**
SPX1090D	Face Plate	50	**35.40**
SPX1094GPAK2	Gasket *(Set of 2)*	25	**18.20**
SPX1090GA	Throttle Plate with Screw	1	**23.39**
SPX1090Z1A	Face Plate Screw Set	1	**22.53**
SPX1030Z1C	Face Plate Screw Set – 1 1/4" long	10	**21.82**
SPX1090AA	Body with Basket Ring	—	**Discont'd**
SPX1092C	Access Plug	1	**34.88**
Wide Mouth Skimmer Parts – No. SP1090WM:			
SPX1090WMCV	Cover	10	**$38.44**
SPX1090WMSB	Skimmer Basket	10	**24.20**
SPX1090WMW	Weir	10	**45.05**
SPX1090WMVA	Vacuum Adapter	10	**37.24**
SPX1090WMFP	Face Plate	10	**50.72**
SPX1090WMSG	Sealing Gasket *(Set of 2)*	50	**58.27**



SP1092

Cat. Nos. SP1091LX, SP1091WM

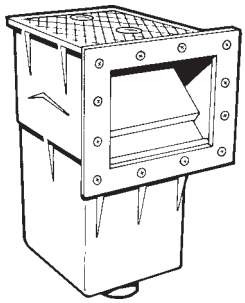
Part No.	Description	Ctn. Qty.	List Price
SPX1091B	Skimmer Cover	10	**$26.64**
SPX1091C	Basket with Handle	12	**18.70**
SPX1091K1	Weir	10	**33.59**
SPX1091D	Face Plate Standard	10	**34.36**
SPX1091E	Widemouth Extension	1	**59.74**
SPX1091F	Face Plate Widemouth	10	**38.44**
SPX1091G	Gasket STD, Butterfly	50	**17.28**
SPX1091GW	Gasket Widemouth, Butterfly	50	**31.27**
SPX1090Z6A	Standard Screw Set	50	**23.08**
SPX1090Z7A	Widemouth Screw Set	50	**44.01**



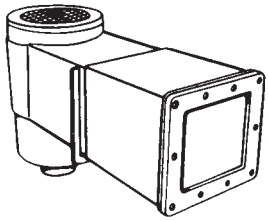
SP1091LX

Cat. Nos. SP1094, 1094SPA, 1094H, 10950M

Part No.	Description	Ctn. Qty.	List Price
SPX1094FA	Basket – 4 3/4" O.D. x 3"	10	**$18.64**
SPX1094C	Cover	24	**29.19**
SPX1094K	Weir	10	**35.11**
SPX1094B	Face Plate	10	**31.26**
SPX1094GPAK2	Gasket Kit *(Set of 2)*	25	**18.20**
SPX1030Z1C	Face Plate Screw Set – 1 1/4" (SP1094SPA)	10	**21.82**
SPX1094R	Face Plate Cover – Snap-On	30	**29.68**
SPX1090Z1A	Face Plate Screw Set	1	**22.53**

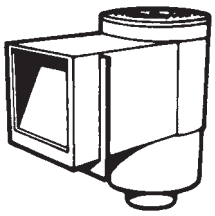


SP1089



SP1097

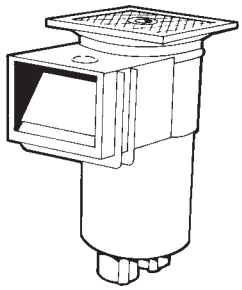
Automatic Skimmers



SP1096

Cat. No. SP1089

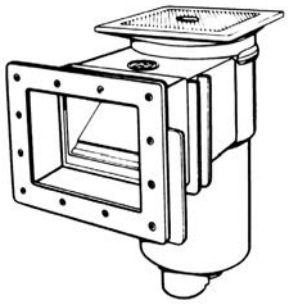
Part No.	Description	Ctn. Qty.	List Price
SPX1088B	Cover	20	$44.99
SPX1088GA	Basket Assembly	10	57.61
SPX1089K	Weir	10	51.08
SPX1084L	Face Plate	20	23.23
SPX0097E	Gasket	10	11.75
SPX1084Z4A	Face Plate Screw Set	20	25.41



SP1082

Cat. Nos. SP1096, 1097, 1098

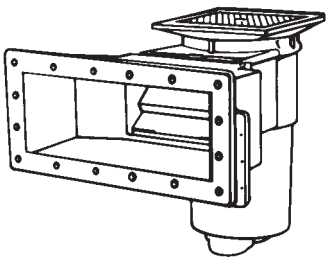
SPX1096B	Cover	10	$26.64
SPX1096AX	Adjusting Collar	10	34.77
SPX1096CA	Basket, 5 1/8" O.D. x 3"	10	19.54
SPX1096A2	Basket Support Ring	50	11.72
SPX1096K	Weir	10	35.11
SPX1097D	Face Plate (SP1097, 1098)	5	39.23
SPX0097E	Gasket	10	11.75
SPX1090Z1A	Face Plate Screw Set	1	22.53



SP1084

Cat. Nos. SP1082, 1083, 1084, 1085, 1086

SPX1082E*	Cover, Square	10	$34.93
SPX1082Z1	Cover Screw (Square Cover)	25	2.83
SPX1082F	Adjusting Collar, Square – 4.5" Extension	5	65.64
SPX1082EFDGR	Square Collar and Cover Assembly – Dark Gray	4	91.00
SPX1084R**	Cover, Round	10	56.96
SPX1084RADGR	Round Collar and Cover Assembly – Dark Gray	5	80.40
SPX1084Z9	Cover Screw (Round Cover)	10	6.77
SPX1084P**	Round Extension Collar	10	45.05
SPX1082CA	Basket with Handle	18	22.42
SPX1082N2	Handle for SPX1082CA Basket	50	5.06
SPX1082D	Basket Support Ring	40	11.72
SPX1082K**	Weir	10	34.01
SPX1082H1A	Slide Plate with Screw	10	12.82
SPX1082Z3	Vacuum Hose Adapter	20	13.45
SPX1053Z1	2" Pipe Plug	100	6.61
SPX1082Z2	2" x 1 1/2" Reducing Bushing	—	Discont'd
SPX1084L**	Face Plate (SP1084)	20	23.23
SPX1085B**	Face Plate (SP1085)	10	43.87
SPX1084BPAK2	Gasket Kit (SP1084) *(Set of 2)*	25	22.81
SPX1085DPAK2	Gasket Kit (SP1085) *(Set of 2)*	50	41.17
SPX1084C	Spacer (SP1084)	1	25.86
SPX1084Z1A	Face Plate Screw Set (Fine Threads) SP1084	20	28.64
SPX1084Z4A	Face Plate Screw Set (Coarse Threads) SP1084	20	25.41
SPX1084Z4AM	Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1084	25	26.64
SPX1085Z1A	Face Plate Screw Set (Coarse Threads) SP1085	25	35.90
SPX1085Z1AM	Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1085	50	41.33
SPX1084B3PAK2	Gasket Kit (SP1084OM) *(Set of 2)*	25	24.86
SPX1084B3PAK2	Gasket Kit (SP1085OM) *(Set of 2)*	25	24.86
SPX1080EA	Basket with Sleeve	5	39.05
SPX1080AA	Flo-Selector Control with Valve	5	Discont'd
SPX1080D	Skimmer Throttling Plate	5	26.22
WGX1082E	NSF listed replacement cover (Auto-Skim, Square)	10	63.70



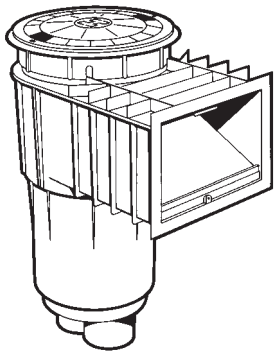
SP10851

Turbo Skimmer Parts – Skimmer Nos. SP1082T, 1084T Series:			
SPX1084KA	Turbo Boost Valve Assembly	—	Discont'd

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Also available in Dark Gray. Add suffix DGR for Dark Gray.

Cat. Nos. SP1075, 1075, 1076, 1077

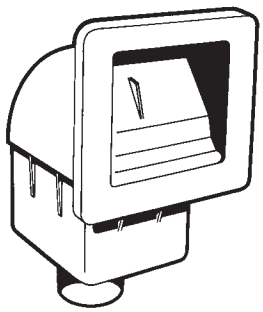
Part No.	Description	Ctn. Qty.	List Price
SPX1075C1	Cover, White	10	$44.76
SPX1084Z9	Cover Screw	10	6.77
SPX1075B	Adjusting Collar	5	36.42
SPX1082K	Weir	10	34.01
SPX1082CA	Basket – 6 ½" O.D. x 5"	18	22.42
SPX1075F	Flo-Control Slide Plate with Screw	50	22.84
SPX1075L	Multi-Flo Valve Control (SP1075T)	25	47.52
SPX1084L	Face Plate (SP1076)	20	23.23
SPX1085B	Face Plate (SP1077)	10	43.87
SPX1084BPAK2	Gasket Kit *(Set of 2)* – SP1076	25	22.81
SPX1085DPAK2	Gasket Kit *(Set of 2)* – SP1077	50	41.17
SPX1084Z4A	Face Plate Screw Set (Self-Tapping) (SP1076)	20	25.41
SPX1084Z4AM	Face Plate Screw Set – 1 ¼" long (Self-Tapping)	25	26.64
SPX1085Z1A	Face Plate Screw Set (Self-Tapping) (SP1077)	25	35.90
SPX1085Z1AM	Face Plate Screw Set – 1 ¼" long (Self-Tapping)	50	41.33



SP1071

Cat. No. SP1070, SP1071 Series Skim-Master

SPX1070Z3PAK2	Cover Retaining Screw *(Set of 2)*	25	$5.56
SPX1070C*	Cover	10	48.59
SPX1070C10	Cover, Tan	10	48.59
SPX1070B	Adjusting Collar, White	5	39.39
SPX1070B10	Adjusting Collar, Tan	5	38.97
SPX1070E2	Basket Handle	100	12.90
SPX1070KHR	Weir Assembly with Bumper Pad (for 1070 Series)	10	53.23
SPX1071K*	Weir Assembly with Bumper Pad (for 1071 and 1072 Series)	10	48.43
SPX1070E	Basket – 8 ¼" O.D. x 5 ¼"	12	24.68
SPX1082H1B	Flo-Control Slide Plate with Screw	100	12.82
SP1070FV	Float Valve Assembly (for 1070 and 1071 Series)	24	66.29
SPX1070FA	Flo-Control Trimmer Plate with Screw	100	9.62
SP1072FV	Float Valve Assembly (for 1072 Series)	20	63.12
WGX1070C	NSF listed replacement cover (Round)	10	54.52

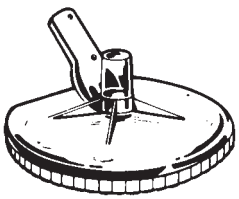


SP1099S

Cat. No. SP1099S Spa Skimmer

SPX1099B	Basket	10	$32.65
SPX1099K	Weir	10	42.67
SPX1099C	Cover Plate, ABS	50	23.84
SPX1099E	Gasket	50	12.46
SPX1099FG	Air Relief Valve Kit	—	Discont'd

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

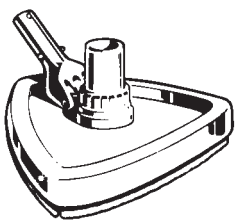


SP1067

VACUUM CLEANER HEADS

Cat. No. SP1067 / SP1067R (Rubber) Power-Vacs

Part Number	Description	Ctn. Qty.	List Price
SPX1067C	Brush Set	10	$59.57
SPX1067QA	Quik-Snap Handle Connector with Spring	25	31.86
SPX0068Z1A	Bracket Bolt with Nut	500	9.13

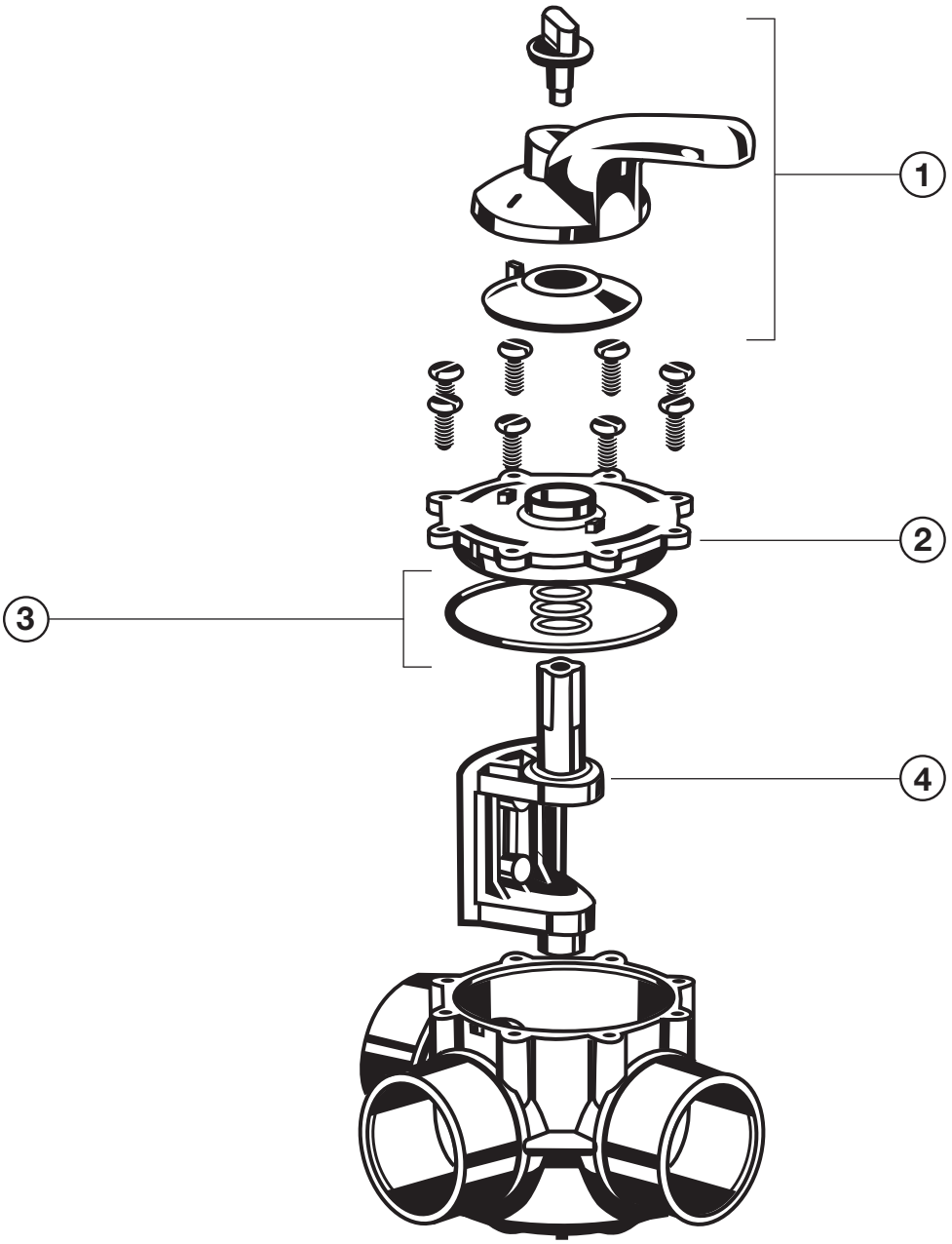


SP1068

Cat. No. SP1068 / SP1068DL / 1069 /1069DL Super-Vacs

SPX1068G3	Brush *(Set of 3)* – for SP1068	40	$59.65
SPX1068C	Knurled Locknut	10	10.85
SPX1068DE	Swivel Hose Connector Set, 1 ¼" and 1 ½"	50	18.33
SP1068FA	Weight Pak *(Set of 3)*	25	34.35
SPX0068Z1A	Bracket Bolt with Nut	500	9.13
SPX1067QA	Quik-Snap Handle Connector with Spring	25	31.86
SPX1067S	Snap-Spring only	25	5.30

PSV Series Diverter & Check Valves



Parts Diagram and Parts Listing

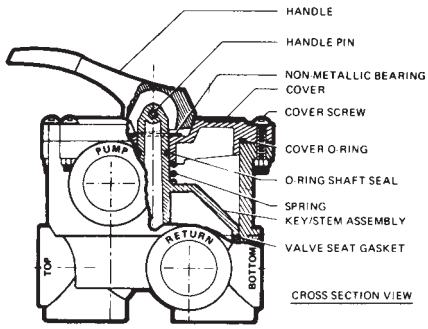
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	PSXVCA*	Handle/Index Kit	10	1	**$20.19**
2	PSXVB*	Cover	10	1	**26.49**
3	PSXVZ2A*,**	Key and Cover O-Ring Kit	200	1	**13.16**
4	PSXVDE*	Valve Key Assembly	10	1	**59.11**
—	PSXVBCA*	Upper Valve Kit (Includes #'s 1-4)	10	1	**139.45**
—	PSXCVBAH**	Check Valve Cover and Flapper Replacement Kit	15	1	**50.77**

NOTE: *Parts used on Diverter Valves.
**Parts used on Check Valves.

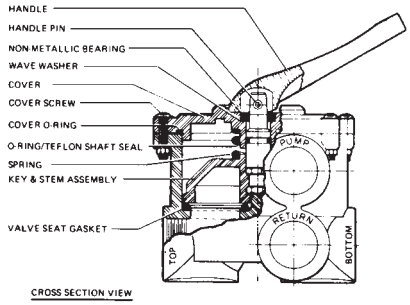
Cat. Nos. SP0710, 0710X, 0711, 0712, 1 ½" Vari-Flo Valves (1976-)

Part No.	Description	Ctn. Qty.	List Price
SPX0710XF	Handle	10	**$29.76**
SPX0710XZ7	Handle Pin	50	**11.69**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**7.93**
SPX0710XZ5	Cover O-Ring	10	**22.34**
SPX0735GA	O-Ring/Teflon Shaft Seal	100	**10.29**
SPX0710G	Valve Position Label	50	**11.38**
SPX0710Z1A	Cover Screw with Nut *(Set of 6 each)*	10	**35.25**
SPX0603S	Spring	50	**22.13**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**11.38**
SPX0710K	¼" Plastic Pipe Plug	10	**5.44**
SPX0710XD	Valve Seat Gasket, 5 Spoke – for "X" Valve Body	50	**34.69**
SPX0710XC	Key/Stem Assembly	50	**82.23**
SPX0710XBA17	Key, Cover and Handle Assembly, Black	5	**211.47**
SPX0710MA	Threaded Sight Glass with Gasket	50	**15.77**
SX200Z9	Gasket for Threaded Sight Glass	25	**3.23**
SPX0710Z9	3M Adhesive, 5 oz. tube for Valve Seat Gasket	10	**113.01**
NOTE: Parts below are for SP0710 and 0711 Series (1969–1975). These parts are *NOT* interchangeable with current production models.			
SPX0710Z7	Handle Pin	1	**Discont'd**
SPX0710Z3	Cover O-Ring	50	**$20.33**
SPX0603Z2A	O-Ring/Teflon Shaft Seal	1	**Discont'd**
SPX0710D	Valve Seat Gasket, 6 Spoke	10	**45.56**
SPX0710XBA	Key, Cover and Handle Assembly – Replaces SPX0710B (cover) and SPX0710C	5	**211.47**

SP0710X SERIES (1977)

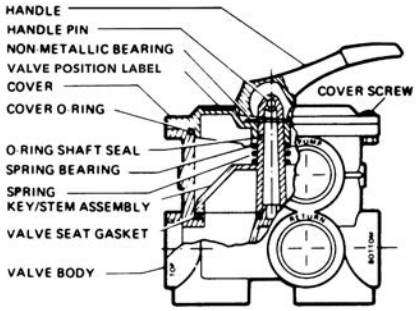


SP0710 SERIES (1969–1975)



Multiport Valves

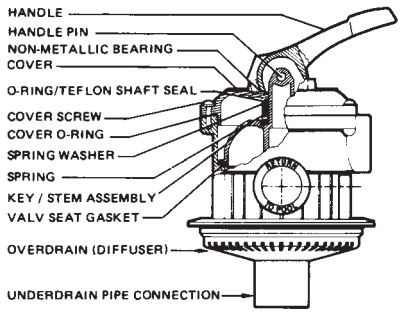
SP0715 SERIES



Cat. Nos. SP0715, 0716, 2" Vari-Flo Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0710FL	Handle, Large	25	**$39.64**
SPX0710XZ7	Handle Pin	50	**11.69**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**7.93**
SPX0715G	Valve Position Label	10	**15.01**
SPX0710Z1A	Cover Screw with Nut *(Set of 6 each)*	10	**35.25**
SPX0715Z1	Cover O-Ring	10	**25.09**
SPX0603S	Spring	50	**22.13**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**11.38**
SPX0735GA	O-Ring/Teflon Shaft Seal	100	**10.29**
SPX0710K	¼" Plastic Pipe Plug	10	**5.44**
SPX0715D	Valve Seat Gasket	50	**53.15**
SPX0715C	Key/Stem Assembly – Noryl	10	**124.59**
SPX0715BA3	Key, Cover and Handle Assembly, Black	4	**331.36**
SPX0715XR50AA	Valve Body with Gasket and Sight Glass – with Filter Tank Pipes and Locknuts. "Reverse" style – for DE only	1	**597.14**
SPX0710MA	Threaded Sight Glass with Gasket	50	**15.77**
SX200Z9	Gasket for Threaded Sight Glass	25	**3.23**

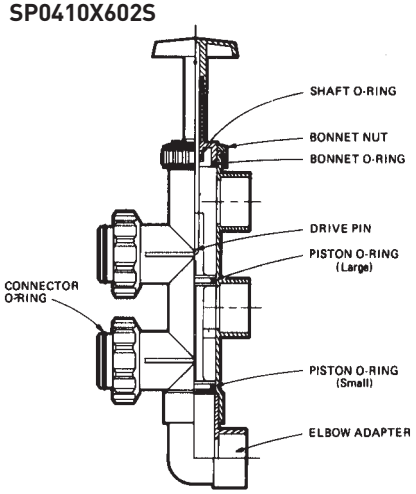
SP0704 SERIES



Cat. No. SP0704, 1 ½" Vari-Flo Valve – 4 Position

Part No.	Description	Ctn. Qty.	List Price
SPX0710XF	Handle	10	**$29.76**
SPX0710XZ7	Handle Pin	50	**11.69**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**7.93**
SPX0704B2	Cover, Black	15	**58.73**
SPX0704F	Cover O-Ring	100	**14.55**
SPX0704HA	O-Ring/Teflon Shaft Seal	10	**12.94**
SPX0603S	Spring	50	**22.13**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**11.38**
SPX0704D	Valve Key Gasket	50	**37.35**
SPX0704CA	Key and Gasket Assembly	1	**Discont'd**

SP0410X602S



Cat. Nos. SP0410X Series Slide Valve

Part No.	Description	Ctn. Qty.	List Price
SPX0410BA	Handle and Piston Assembly	15	**$183.88**
SPX0410BK	Piston only with Pin	10	**32.44**
SPX0722D2	Bonnet Nut, Black	50	**14.63**
SPX0722GH	Bonnet O-Ring Kit	10	**9.62**
ECX9611246PAK3	Shaft O-Ring *(Set of 3)*	25	**6.71**
SPX0410Z2	Piston O-Ring, Large	100	**21.27**
SPX0410K	Drive Pin	50	**8.39**
SPX0410Z1	Piston O-Ring, Small	100	**21.27**
SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	**13.31**

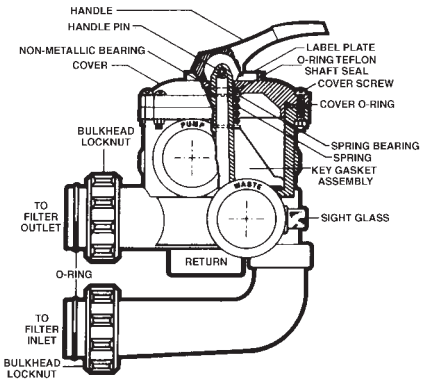
Cat. No. SP0727 Perflex Diverter Valve (Not Illustrated)

Part No.	Description	Ctn. Qty.	List Price
SPX0727D	Handle	1	**$21.76**
SPX0727K	O-Ring, Cover	1	**8.71**
SPX0733Z3A	Cover Screw *(Pkg. of 8)*	50	**19.98**
SPX0727H	Seal	10	**12.35**
SPX1483C	O-Ring (Union)	10	**6.77**
SPX0727E	Union Nut	10	**31.15**

Cat. No. SP0740DE 2" Selecta-Flo™ Valve

Part No.	Description	Ctn. Qty.	List Price
SPX0710FL	Handle, Large	25	**$39.64**
SPX0710XZ7	Handle Pin	50	**11.69**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**7.93**
SPX0740B	Cover	10	**106.38**
SPX0710Z1A	Cover Screw with Nut *(Set of 6 each)*	10	**35.25**
SPX0715Z1	Cover O-Ring	10	**25.09**
SPX0603S	Spring	50	**22.13**
SPX0704HA	O-Ring/Teflon Shaft Seal	10	**12.94**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**11.38**
SPX0740D	Valve Seat Gasket	50	**51.28**
SPX0740C	Key/Stem Assembly	10	**119.35**
SPX0740BA	Key, Cover, Handle Assembly	1	**336.29**
SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	**13.31**

SP0740DE

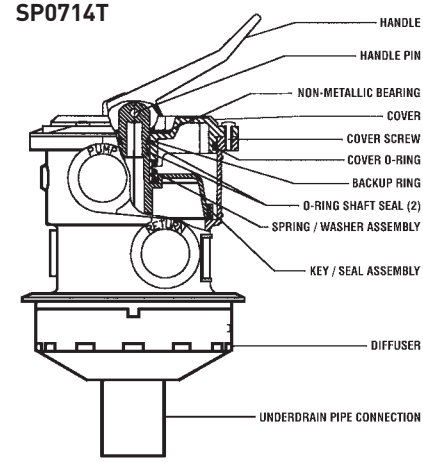


Cat. No. SP0714T Vari-Flo™ XL Valve

Part No.	Description	Ctn. Qty.	List Price
SPX0710XF	Handle	10	**$29.76**
SPX0710XZ7	Handle Pin	50	**11.69**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**7.93**
SPX0714G	Valve Position Label	50	**11.07**
SPX0714BA	Key, Cover and Handle Assembly	5	**237.94**
SPX0714Z1	Cover Screw *(Set of 6)*	10	**29.42**
SPX0714L	Cover O-Ring	50	**17.22**
SPX0735GA*	O-Ring Shaft Seal Assembly	100	**10.29**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**11.38**
SPX0714CA	Key/Seal Assembly	10	**90.33**
SPX0714D	Diffuser	5	**87.47**

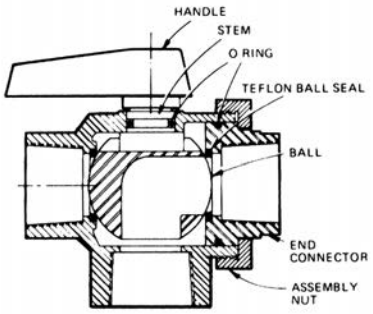
NOTE: *Two required for each valve.

SP0714T



Ball Valves

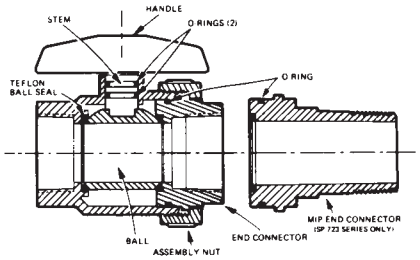
SP0735



Cat. Nos. SP0720, 0730, 0735 Ball Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0735D	Handle	10	**$20.00**
SPX0735F	Stem	1	**Discont'd**
SPX0735GH	O-Ring, Stem and End Connector	100	**13.46**
SPX0735E	Assembly Nut	50	**14.61**
SPX0720P2	Teflon Ball Seal *(Set of 2)* (SP0720, 0730)	10	**Discont'd**
SPX0735P2	Teflon Ball Seal *(Set of 2)* (SP0735)	1	**Discont'd**
SPX0720B	End Connector – Threaded (SP0720, 0730)	—	**Discont'd**
SPX0735B	End Connector – Threaded (SP0735)	40	**27.38**
SPX0735C	Ball (SP0735)	5	**Discont'd**

SP0722, 0723



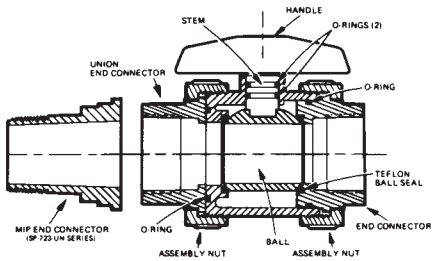
Cat. Nos. SP0722, 0723 and UN, 1 1/2" Trimline Ball Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0722F	Handle	50	**$10.29**
SPX0722B7	Stem	10	**9.47**
SPX0720P2	Teflon Ball Seal *(Set of 2)* – 1976 and Prior	10	**Discont'd**
SPX0722P2	Teflon Ball Seal *(Set of 2)*	100	**18.64**
SPX0722GH	Bonnet O-Ring Kit	10	**9.62**
SPX0722D	Assembly Nut	50	**14.63**
SPX0722C7	Ball	10	**22.02**
SPX0722ET7	End Connector – FIP	—	**Discont'd**
SPX0722ES7	End Connector – SKT	40	**Discont'd**
SPX0723ET7	End Connector – MIP	40	**18.28**
SPX0722UT	Union End Connector – FIP (UN Series only)	—	**Discont'd**
SPX0722US	Union End Connector – SKT (UN Series only)	—	**Discont'd**
SPX1495Z1	End Connector O-Ring (UN Series only)	50	**4.90**

Cat. Nos. SP0729 1 1/2" 2-Way Ball Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0728D	Handle	10	**$10.55**
SPX0728H	O-Ring, End Connector	10	**Discont'd**

SP0722UN, 0723UN

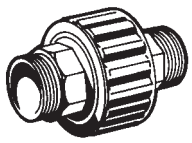


Cat. Nos. SP0724, 0725, 0726, 2" Trimline Ball Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0724J	Handle	25	**$21.67**
SPX0724B	Stem	—	**Discont'd**
SPX0724GA	Teflon Ball Seal *(Set of 2)* with O-Ring Stem and End Connector	1	**34.52**

Cat. Nos. SP1480, 1482, 1484, 1485 Self-Align Unions

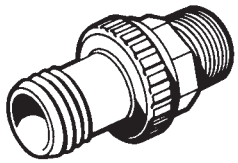
Part No.	Description	Ctn. Qty.	List Price
SPX1480C	Union Nut	10	**$22.13**
SPX1425Z6	O-Ring	25	**5.40**
SPX1485C	Gasket	25	**8.34**



SP1480 SERIES

Cat. Nos. SP1491, 1492, 1493 Econo-Unions

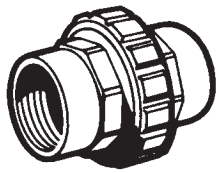
Part No.	Description	Ctn. Qty.	List Price
SPX1491B	O-Ring	10	**$4.64**
SPX1068C	Union Nut	10	**10.85**



SP1493

Cat. Nos. SP1495 (1 1/2") and SP1498 (2") Flush Unions

Part No.	Description	Ctn. Qty.	List Price
SPX1495Z1	O-Ring	50	**$4.90**
SPX1495C	Union Nut	50	**14.50**
SX200Z3	O-Ring (2")	50	**9.46**
SPX1498C	Union Nut (2")	50	**55.38**



SP1495

JUNCTION BOXES

Cat. No. LJBUY10UU1

Part No.	Description	Ctn. Qty.	List Price
SPX1500NPAK4	Screw and Nut Kit *(Set of 4)*	—	**Discont'd**

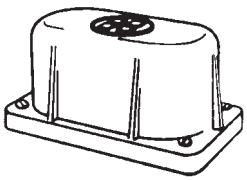
Cat. Nos. SP0680, 0681 (Lexan®)

Part No.	Description	Ctn. Qty.	List Price
SPX0680LA	Packing Gland Nut, Bushing and Washer, 10-3	—	**Discont'd**
SPX0680J	3/4" Noryl® Pipe Plug	—	**Discont'd**

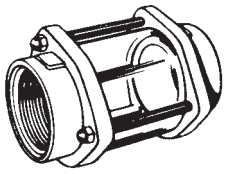
IN-LINE SIGHT GLASSES

Cat. Nos. SP1072, 1074 (Cycolac)

Part No.	Description	Ctn. Qty.	List Price
SPX0072D	Cylinder, 2 1/2" O.D. x 2 3/8"	25	**Discont'd**
SPX107242	Gasket *(Set of 2)*	1	**Discont'd**
SPX10723A	Bolt with Nut	—	**Discont'd**
Miscellaneous			
SPX0404A	Threaded Eyebolt – for SP0404	10	**$9.62**
SPX0392BA	Brass Wedge, Bolt with Washer – for SP392, 393	50	**63.64**
SPX1392CA	Wedge, Bolt with Washer – for SP1392	50	**29.93**
ECX1308	"Schmear" Compound for Field Repairs, White	1	**85.32**
ECX1308IVY	"Schmear" Compound for Field Repairs, Ivory	—	**Discont'd**

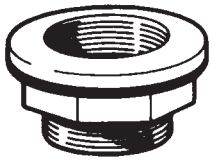


SP0680



SP1072

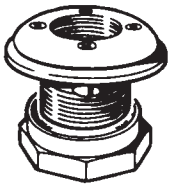
Hydrotherapy Fittings



SP1023

Cat. Nos. SP1023, 1023G, 1024, 1025

Part No.	Description	Ctn. Qty.	List Price
SPX1023B	Locknut for 1 ½" SP1023 Fitting	50	**$10.85**
SPX1023Z3	Fiber Slip Washer for 1 ½" SP1023 Fitting	20	**3.85**
SPX0023Z12	Gaskets for 1 ½" SP1023 Fitting *(Set of 2)*	20	**11.22**
SPX0023Z2	Butterfly Gasket for SP1023G Fitting	25	**16.89**
SPX1025Z12	Gasket *(Set of 2)* – (SP1025)	10	**15.18**
SPX1025Z3	Fiber Slip Washer – (SP1025)	50	**5.51**
SPX1023Z1S2	Gaskets for 2" SP1023S2 Fitting *(Set of 2)*	20	**Discont'd**
SPX1408ADT*	2" to 1 ½" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2)	10	**7.24**

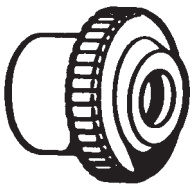


SP1408

Cat. Nos. SP1411, 14071, 1408

Part No.	Description	Ctn. Qty.	List Price
SPX1411B	Face Plate (SP1411, 14071)	25	**$14.29**
SPX1408B*	Faceplate for 1 ½" SP1408 Fitting	100	**4.12**
SPX1411Z12PAK2	Gasket Kit (SP1411, SP14071) *(Set of 2)*	50	**13.56**
SPX1408C	Gasket for 1 ½" SP1408 Fitting	25	**7.29**
SPX1411Z1A	Faceplate Screw Set for SP1411 *(Set of 4)*	25	**21.01**
SPX1407D	Locknut Spacer (SP14071, 1408, 1025)	10	**Discont'd**
SPX1039Z1A	Faceplate Screw Set for SP1408 *(Set of 4)*	50	**11.54**
SPX1407DS2	Locknut Spacer for 2" SP1408S2 Fitting	10	**Discont'd**
SPX1408CS2	Gasket for 2" SP1408S2 Fitting	25	**9.84**
SPX1408BS2*	Faceplate for 2" SP1408S2 Fitting	10	**3.49**
SPX1408ADT*	2" to 1 ½" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2)	10	**7.24**
SPX1408Z1APAK6	Faceplate Screw Set for 2" SP1408S2 *(Set of 6)*	—	**Discont'd**

NOTE: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.



SP1421

Cat. Nos. SP1419, SP1420, SP1421 Series

Part No.	Description	Ctn. Qty.	List Price
SPX1419B1	Ball Seat	10	**$8.68**
SPX1419C1	Ball, Slotted	10	**9.47**
SPX1419C2	Ball, Slotted or ⅜" Hole	10	**8.63**
SPX1419C3	Ball, Slotted or ½" Hole	25	**8.86**
SPX1419C4	Ball, Slotted or ¾" Hole	25	**8.86**
SPX1419C5	Ball, Slotted or 1" Hole	10	**8.63**
SPX1419D1	Lock Ring	50	**5.21**
SPX1420A1	Rubber Flow Director	50	**10.15**

SP1425

Cat. No. SP1039

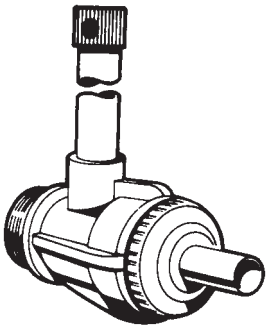
Part No.	Description	Ctn. Qty.	List Price
SPX1039BA	Face Plate with Gasket (2) and Screws (4)	25	**$50.43**

Cat. Nos. SP1423, 1424, 1425

Part No.	Description	Ctn. Qty.	List Price
SPX1425C	Face Plate Grate (SP1423, 1424)	50	**$10.93**
SPX1425DA	Spinner Valve Assembly (SP1424, 1425)	25	**20.03**
SPX1425B	Top Diffuser Plate (SP1425)	50	**13.54**
SPX1425Z32	Face Plate Screw *(Set of 2)* (SP1423, 1424, 1425)	25	**5.87**
SPX1425Z6	O-Ring (SP1425)	25	**5.40**

Cat. Nos. SP1430, 1431, 1432 Jet-Air® Fittings

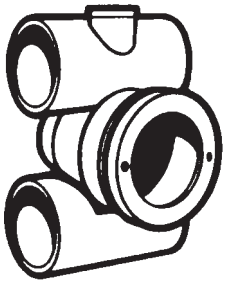
Part No.	Description	Ctn. Qty.	List Price
SPX1430B	Small Nozzle (for SP1430)	25	**$14.29**
SPX14311S	½" x 18" Air Supply Tube (Complete)	25	**37.76**
SPX14312S	½" x 24" Air Supply Tube (Complete)	50	**40.36**
SPX1430Z1A	Air Tube Adjustment Cap with Air Tube Bushing	1	**19.59**
SPX1430B1	SPA Insert Bushing	10	**5.51**



SP14311, 2

Cat. Nos. SP1434, 1436, 1437 Series Jet-Air III Fittings

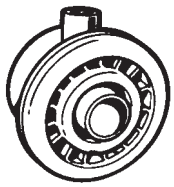
Part No.	Description	Ctn. Qty.	List Price
SPX1434EA*	Bulkhead Fitting with Gasket	25	**$17.62**
SPX1434DF	Lock Ring – for Ball Assembly with Nozzle Retaining Clip	100	**19.25**
SPX1434JA	Seal Rings and O-Ring Kit	100	**14.76**
SPX0720PE2	Seal Ring *(Set of 2)*	150	**15.96**



SP1434

Cat. No. SP1450T Turbo Boost Spa Jet

Part No.	Description	Ctn. Qty.	List Price
SPX1450BG	Bulkhead Fitting with Gasket	25	**$23.05**



SP1450T

Cat. Nos. SP1440, 1444 Suction Fittings

Part No.	Description	Ctn. Qty.	List Price
SPX0023Z12	Gasket *(Set of 2)*	20	**$11.22**

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Minimum Billing Charges:
Finished Goods $200. Parts $100. Finished goods and parts must be on separate orders and may not be combined. Parts are usually items with an "X" in the prefix number. *Minimums are subject to change without notice.*

Contract: Except for the terms of any written and executed distribution, supplier or reseller agreement between the Parties, these Terms and Conditions of Sale ("Terms") are the entire contract between Hayward Industries, Inc., 1415 Vantage Park Drive, Suite 400, Charlotte, NC 28203 ("Hayward") and the Buyer (collectively the "Parties") with respect to the goods or materials purchased and any related services (collectively, "Goods") and it supersedes any prior communications or agreements between the parties about the Goods. Any reference to Buyer's order or other form is for information only and Hayward rejects all terms and conditions proposed by Buyer therein. These Terms will apply to all sales by Hayward under the Buyer's Guide & Parts Price List and any related releases unless modified or waived by any specific different terms stated on the face of an Invoice or release, regardless of any course of dealing or industry practice to the contrary. The terms of any written and executed distribution, supplier or reseller agreement between the Parties will control if and to the extent they conflict with terms set forth herein.

Acceptance: Buyer's written acknowledgement of these Terms, acceptance of any Goods hereunder, or payment of the amount due by Buyer as indicated on an Invoice will constitute its acceptance of these Terms. Without Hayward's written consent, no additional or different terms proposed by Buyer in its acknowledgement or otherwise will be effective to modify these Terms and Buyer will be deemed to have accepted the Terms without such modifications.

Delivery of Goods: Delivery by Hayward to a carrier shall constitute delivery to Buyer. Even though Goods are shipped to the order of Hayward, Buyer assumes all responsibility for shortage, loss, delay, or damage in transit on issuance to Hayward by carrier of a bill of lading.

Limited Warranty: To Buyer, as original purchaser of the Goods, Hayward warrants its products free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Parts which fail or become defective during the warranty period, except as a result of freezing, negligence, improper installation, use or care, shall be repaired or replaced, at Hayward's option, within ninety (90) days of the receipt of the defective product, barring unforeseen delays. To obtain warranty, replacements or repair, defective components or parts should be returned, transportation paid, to the place of purchase, or the nearest authorized Hayward service center. No returns may be made directly to the factory without the express written authorization of Hayward. Pump housings/strainers which become defective during the warranty period, except as a result of freezing, negligence, improper installation, use or care, or as the result of a use in association with an automatic valving system, shall be repaired or replaced, at Hayward's option, without charge.

All other conditions and terms of the standard warranty apply.

Hayward shall not be responsible for cartage, removal and/or reinstallation labor or any other such costs incurred in obtaining warranty replacements.

The foregoing warranty does not apply to components manufactured by others. For such products, the warranty established by the respective manufacturer will apply.

Disclaimer: NO OTHER EXPRESS WARRANTY HAS BEEN MADE OR WILL BE MADE ON BEHALF OF HAYWARD WITH RESPECT TO THE GOODS OR THE INSTALLATION, OPERATION, REPAIR OR REPLACEMENT OF THE GOODS. HAYWARD SHALL NOT BE RESPONSIBLE FOR DAMAGE, LOSS OF USE OF THE UNIT, INCONVENIENCE, LOSS OR DAMAGE TO PERSONAL PROPERTY, WHETHER DIRECT OR INDIRECT, AND WHETHER ARISING IN CONTRACT OR TORT.

Limitation on Implied Warranties. IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY IMPOSED ON THE SALE OF THE GOODS UNDER STATE LAW, ARE LIMITED TO ONE YEAR DURATION FOR THE GOODS OR ANY PARTS. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO BUYER.

Limitations of Liability: Hayward's liability and Buyer's sole remedy, whether in contract, under any warranty, in tort (including negligence), in strict liability or otherwise, shall not exceed the return of the amount of the purchase price paid by Buyer, and under no circumstances shall Hayward be liable for any special or consequential damages, including, but not limited to, personal injury, property damage, damage to or loss of equipment, lost profits or revenue, costs of renting replacements, and other additional expenses, even if the seller has been advised of the possibility of such damages. The price stated for the equipment is a consideration in limiting Hayward's liability and Buyer's remedy. Hayward will not be liable for any damages, losses, or expenses as a result of Buyer's negligence, whether deemed active or passive and whether or not any such negligence is the sole cause of any such damage, loss, or expense.

Sale on Credit: The goods shall be shipped by Hayward to Buyer on thirty (30) days credit. The credit period shall commence to run from the date of shipment.

Delay in the transmission of an Invoice from Hayward to Buyer, resulting from any cause arising after the dispatch of an Invoice by Hayward to Buyer and over which Hayward has no control, shall not extend the period for payment.

Buyer will furnish any requested financial and credit information pertaining to the Buyer's business enterprise for the establishment and/or continuation of a credit line.

Failure to Pay Within 30 Days: If Buyer fails to pay an Invoice amount within thirty (30) days of the date of shipment, Hayward may recover from Buyer: (i) interest at the rate of 1 1/2% per month (18% annual percentage rate) of the total amount outstanding, and (ii) any expenses and/or attorney's fees incurred in connection with attempts to collect the outstanding balance.

Fair Labor Standards Act: Hayward certifies that the merchandise listed in an Invoice has been produced in accordance with the Fair Labor Standards Act of 1938, as amended.

Indemnification: Buyer will defend and indemnify Hayward and its directors, employees, agents, customers, end users, successors and assigns from and against all actual and alleged claims, liabilities, suits, damages, losses and expenses (including attorney's fees and legal costs) arising from or caused, in whole or in part, by Buyer's breach of any provision, term or condition of this Invoice.

Binding Effect: These Terms are binding on the parties and their respective directors, officers, employees, agents, subcontractors, successors and permitted assigns.

Cumulative Remedies: Hayward's remedies herein are cumulative and in addition to any other further remedies available to it at law or equity.

No Waiver: Hayward's failure to enforce any right provided herein or to which it is entitled at law or equity will not constitute a waiver of that right or of any other rights to which it is entitled.

Governing Law: These Terms will be interpreted and enforced under the laws of the State of North Carolina, USA (including, without limitation, the provisions of the Uniform Commercial Code as adopted by North Carolina), without recourse to the conflict of laws provisions thereof. In no event will the provisions of the U.N. Convention on the International Sale of Goods apply to these Terms. The parties agree that any action or proceeding arising out of or in connection with these Terms will be brought exclusively in a state or federal court in Mecklenburg County, North Carolina.

Subject to Change: These Terms and Conditions of Sale are subject to change at Hayward's sole discretion.

How to Contact Us

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