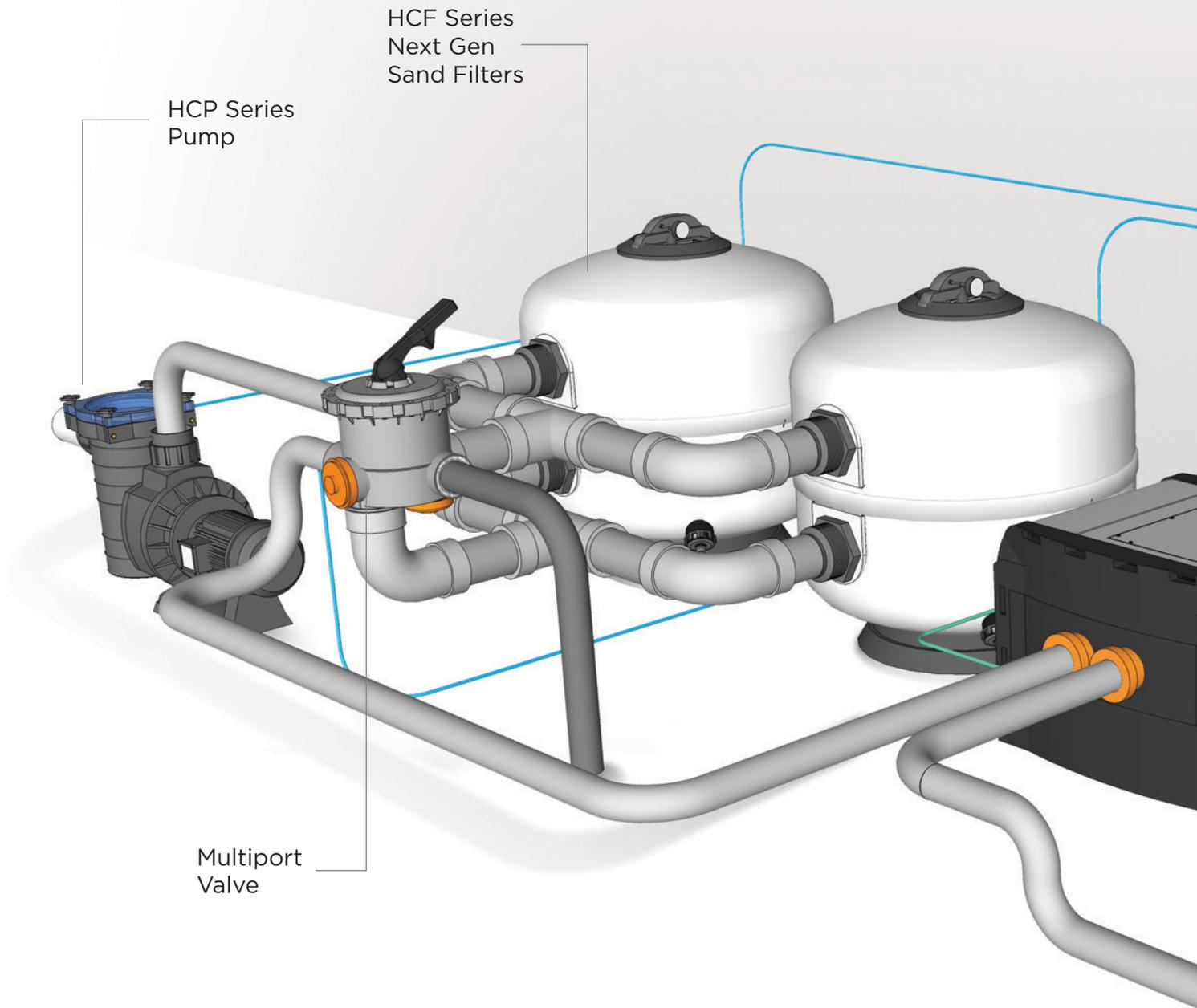




# 2016 COMMERCIAL BUYER'S GUIDE

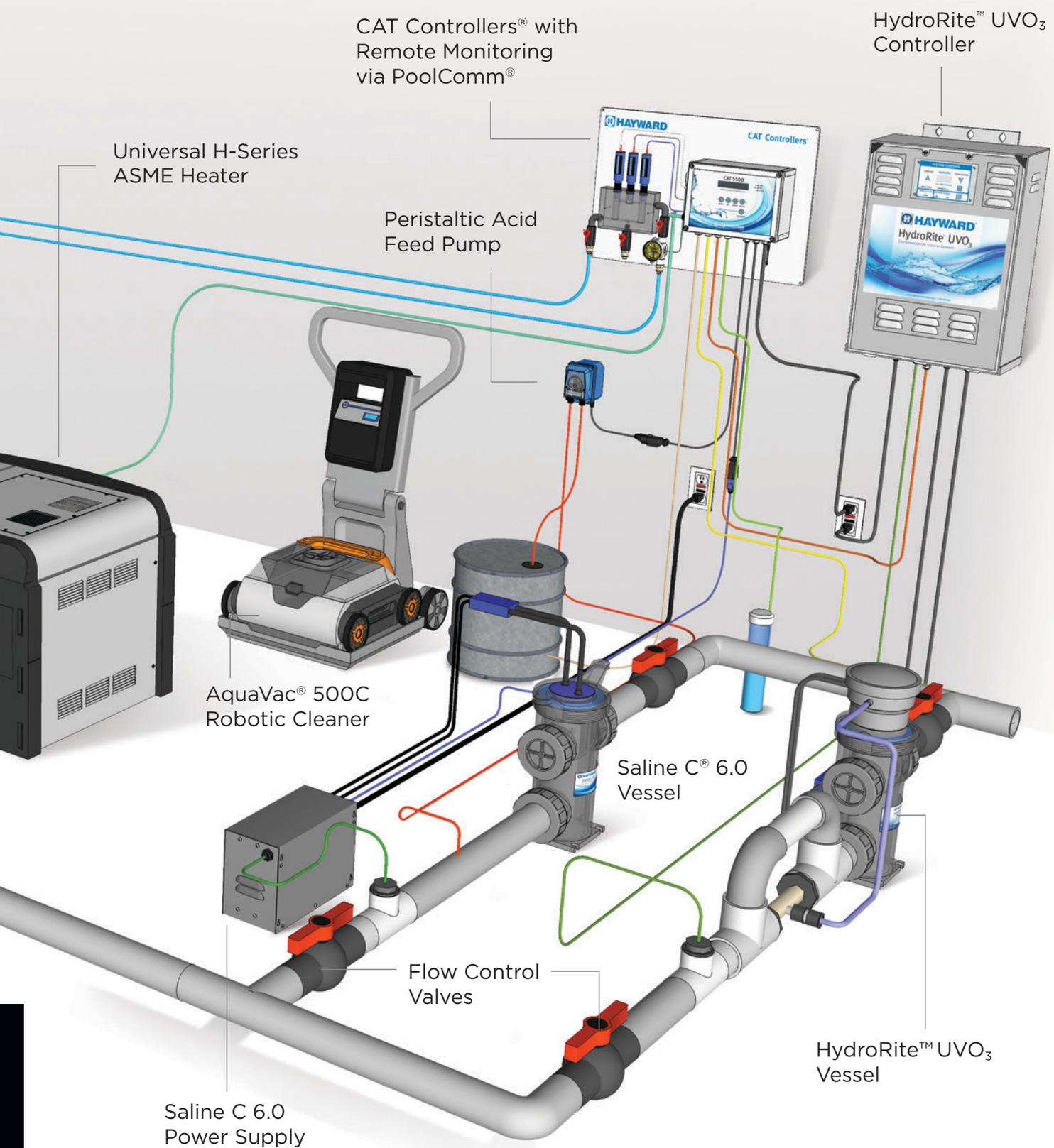
The latest in exceptional innovation and efficiency  
for commercial pools & spas.





# THE POWER BEHIND EVERY COMMERCIAL POOL AND SPA STARTS HERE.

Hayward® Commercial Pool takes you behind the scenes to experience the very best in:  
Innovation / Performance / Energy Efficiency / Total Pool Management



CAT Controllers® with Remote Monitoring via PoolComm®

HydroRite™ UVO<sub>3</sub> Controller

Universal H-Series ASME Heater

Peristaltic Acid Feed Pump

AquaVac® 500C Robotic Cleaner

Saline C® 6.0 Vessel

Flow Control Valves

HydroRite™ UVO<sub>3</sub> Vessel

Saline C 6.0 Power Supply

Hayward® Commercial Pool

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New for 2016



HYDRORITE™ UVO<sub>3</sub> COMMERCIAL UV OZONE  
ADVANCED WATER TREATMENT SYSTEM



500,000 BTU UNIVERSAL  
H-SERIES ASME HEATER



CAT 5500® WIRELESS, COMMUNICATING  
CONTROLLER COMPLETE WITH  
TDS AND SALT MONITORING



CAT 3500® CONTROLLER  
COMPLETE WITH TDS AND SALT MONITORING



AQUAVAC® 500C ROBOTIC CLEANER  
WITH DUAL-MODE CLEANING TECHNOLOGY

Whether you're a long-time partner of ours or just started thinking about working with us, we're eager to show you what Hayward Commercial Pool has in store for 2016. Give us a call at 1.800.657.2287 or visit us at [HaywardCommercialPool.com](http://HaywardCommercialPool.com) for more information. You can also

follow us on:       



# Where cutting-edge innovation meets tried-and-true performance.

## INTRODUCING THE 2016 COMMERCIAL PRODUCT RANGE FROM HAYWARD.

With our 2016 product line, Hayward Commercial Pool rolls out a new round of ingenuity for the commercial aquatic trade. Here are just a few of the ways we're anticipating your needs and exceeding your expectations this year.

Our NSF-Certified HydroRite™ UVO<sub>3</sub> sanitization system sets the industry standard for water quality, using UV, Ozone and Advanced Oxidants to inactivate 99.9% of harmful microorganisms, reduce chemical costs and ensure compliance with secondary sanitization guidelines as set forth in the Model Aquatic Health Code. And with CAT 3500® and CAT 5500®—the most versatile automated wireless water-quality controllers on the market—you'll get seamless automation and integration of all your sanitization systems.

Our new 500,000 BTU Universal H-Series ASME heater boasts high-end features such as a Cupro Nickel Finn Plate™ heat exchanger and a no-rust, low-lead bronze header for unprecedented speed to heat. Our newest cleaner, the AquaVac® 500C, is loaded with exclusive features too, including microprocessor-based efficiency, out-of-water sensing, a tangle-free swivel cord and different cleaning modes.

Our commercial team is dedicated to providing our builders, servicers, pool designers, engineers and aquatic facility operators with all the tools necessary to help specify Hayward equipment and stay at the forefront of commercial pool technology. We invite you to stay connected with our Commercial POOLSIDE eNewsletter and earn rewards for your purchases with the Totally Hayward® Program. For more information, visit [haywardrewards.net](http://haywardrewards.net).



# WATER QUALITY MANAGEMENT SOLUTIONS

The clearest water, pure and simple.

Ensuring swimmers' health and safety is your top priority and ours too. Hayward® Commercial Pool's advancements in efficient sanitization provide the purest water possible while our wireless water chemistry automation allows for 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 Sanitization

With our sanitization solutions, commercial pools and spas benefit from the clearest, safest water possible and the same natural comforts of salt chlorination so common in the residential market. New HydroRite UVO<sub>3</sub> secondary disinfectant treatment system supports the Model Aquatic Health Code (MAHC), provides protection against recreational waterborne illnesses (RWIs) and reduces chlorine demand by at least 50%. Pair with Saline C® 6.0 for a completely automated sanitization system.

## HydroRite™ UVO<sub>3</sub> Commercial UV Ozone Advanced Water Treatment System

**Eliminate 99.9% of bacteria for 100% peace of mind.**

HydroRite UVO<sub>3</sub> from Hayward Commercial Pool sets a new standard in water quality, utilizing UV, Ozone and Advanced Oxidants to drastically reduce the threat of deadly recreational waterborne illnesses (RWIs). Used as a secondary disinfectant system as recommended by the U.S. Centers for Disease Control's Model Aquatic Health Code guidelines, HydroRite delivers a powerful trio of disinfectants that work synergistically to inactivate more than 99.9% of harmful chlorine-resistant microorganisms. NSF Certified HydroRite UVO<sub>3</sub> makes it easier and more affordable than ever to provide your facility the most advanced all-in-one UV and Ozone system the industry has ever seen.



### Low-risk investment for high-risk environments.

- Secondary disinfection as recommended by CDC's Model Aquatic Health Code
- Advanced water treatment system combining 3 powerful disinfectants
- Inactivates more than 99.9% of harmful chlorine-resistant microorganisms such as *Cryptosporidium* and *Giardia*
- Reduces irritating chloramines by 50% or more, improving indoor air quality
- Reduces overall chemical usage and chlorine demand by 50% or more, lowering operating costs and extending the life of salt chlorination cells
- NSF/ANSI Standard 50 Certified

### 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 (CDC) has created the Model Aquatic Health Code (MAHC), which highly recommends the use of UV or Ozone as a secondary disinfectant treatment. Hayward's HydroRite UVO<sub>3</sub> will ensure that your commercial facilities stay on the cutting-edge of swimmer safety by reducing waterborne illnesses due to harmful chlorine-resistant microorganisms.

## The process behind the technology.

Hayward®'s technology utilizes three types of sanitization: UV, Ozone and Advanced Oxidants (hydroxyl radicals).

**Step 1** – HydroRite™ utilizes dual wavelength UV lamps to produce both germicidal UV and Ozone. On contact with water, the germicidal UV breaks down the protein structure of algae, bacteria and viruses, rendering them inactive.

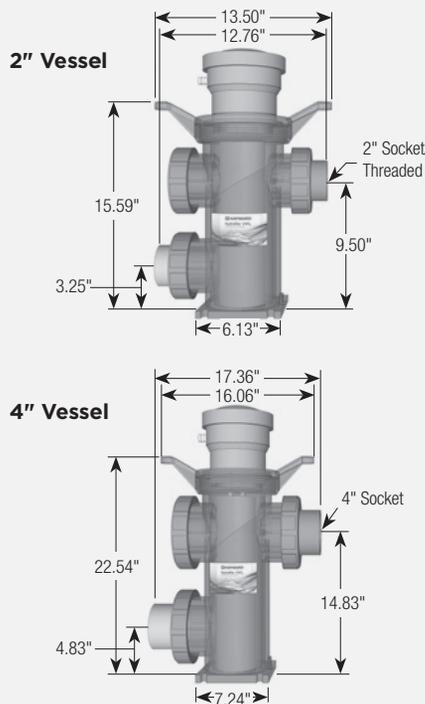
**Step 2** – Ozone is captured and injected into the pool water just before it enters the main UV reaction vessel where it oxidizes any organics.

**Step 3** – The germicidal UV interacts with the Ozone, creating hydroxyl free radicals, which have more oxidation potential than Ozone. This is known as Advanced Oxidation Process (AOP).

**Step 4** – These 3 disinfectants work synergistically to inactivate more than 99.9% of microorganisms, providing an entirely new level of safe water quality.

Learn and watch the power of HydroRite UVO<sub>3</sub> at [Hayward.com/HydroRite](http://Hayward.com/HydroRite)

### Dimensions



### Controller



A	20.83"
B	14.78"
C	3.18"
D	4.0"
E	3.18"

### Technical Specifications

	2" Commercial System	4" Commercial System
Part Numbers	HYR2CSC-UVO	HYR4CSC-UVO
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50* UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	23.0" H x 14-39/50" W x 4-16/25" D	23.0" H x 14-39/50" W x 4-16/25" D
Vessel Dimensions	18-3/4" H x 13-1/2" W x 6-13/100" D	25-1/4" H x 17-9/25" W x 7.0" D
Housing Inlet/Outlet	2" Union inlet/outlet	4" Union inlet/outlet
Reaction Chamber Style	Clear plastic	Clear plastic
Power Input	120VAC, 60Hz	120VAC, 60Hz
Flow Sensor	Magnetic with embedded reed switch	Magnetic with embedded reed switch
Operating Configuration	3 Lamps	3 Lamps
Vessel Rated Pressure	50 psi	50* psi
Sanitization	>99.9% removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>99.9% removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Environment	Indoor use	Indoor use
Cable Length	9.5ft (2.9m) from ballast to lamp	9.5ft (2.9m) from ballast to lamp
Safety System	No flow safety shutoff Thermal limit shutoff Lid removal shutoff Lamp error indicator	No flow safety shutoff Thermal limit shutoff Lid removal shutoff Lamp error indicator
Warranty	Vessel 3-years Lamp 1-year	Vessel 3-years Lamp 1-year

\*Pending NSF Certification

# Saline C® 6.0 Salt Chlorine Generator

With just ONE vessel, Saline C 6.0 produces up to 6 lbs of chlorine per day, satisfying the sanitization needs of up to 90,000 gallons. Saline C 6.0's NSF Certified single, industrial-grade, clear cell and power supply eliminate the need for daisy chaining cells, minimizing footprint and lowering the cost of installation.



## All you need is ONE.

- Compact design, single-cell power supply for easy install
- Industrial-grade, clear vessel, easy inspection
- Reverse polarity self-cleaning technology
- Plug n' play chemical automation
- Reduce chloramines, associated odors and corrosion
- Energy-efficient power supply draws just 6.5 amps
- Game-changing initial investment and cost of ownership



- Simple, low-cost installation vs multiple-cell alternatives
- 2-year limited warranty
- NSF/ANSI Standard 50 Certified

## Easy-to-install, simple one-minute electrode removal:



### STEP 1

Twist and remove lid



### STEP 2

Lift lid and remove electrode from inside vessel



### STEP 3

Replace with clean or new lid/electrode assembly

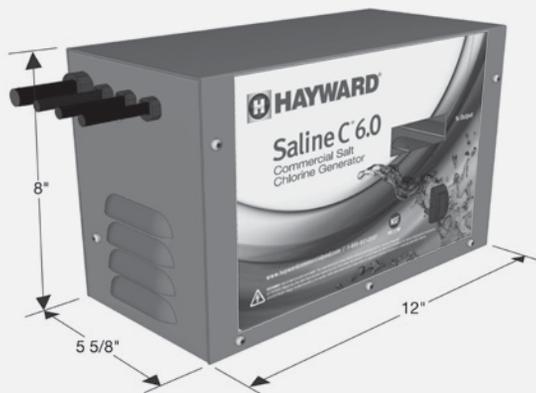


## The perfect fit with pH/ORP CAT Controllers® and NEW HydroRite UV Ozone System.

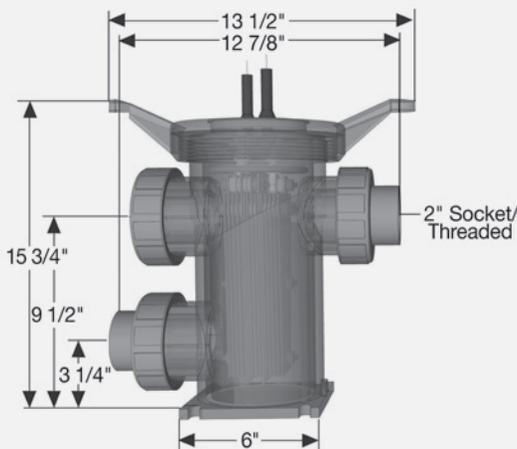
For total efficiency and maximum control, HydroRite™ UVO<sub>3</sub> is the perfect complement to Saline C 6.0 and our pH/ORP CAT Controllers, like new CAT 5500®. When these products are installed together, this complete sanitization system becomes an advanced automated water quality solution. Connect with PoolComm® to enjoy effortless remote monitoring (now including conductivity/NaCl) and audit tracking.

**Dimensions and Technical Specifications**

**Power Supply**



**Vessel**



Part Number	HCSC60	Commercial Salt Chlorine Generator
Power Supply Dimensions	12" W x 8" H x 5-5/8" D	
Vessel Dimensions	15-3/4" H x 13-1/2" W x 6" D	
Certifications	UL1081 CSA C22 ANSI 50 NSF* CE**	
LCD Display	Output adjustable 0 - 100%	
Flow Sensor	2" Magnetic with embedded reed switch	
Power Input (Power Supply)	USA: 6.5 amps, 120V/60Hz International: 6.5 amps, 230V/50Hz	
ORP Input	Cord with male pigtail connected (supplied blue cord)	
Vessel Rated Pressure	50 psi	
Housing Inlet/Outlet	2" Union inlet/outlet	
Reaction Chamber Style	Clear plastic	
Flow Required	30 gpm	
Salt Operating Range	3,500 - 5,000 ppm	
Electrode Stack	Reverse polarity 4mm plate gap	
Production Capacity	5.0 lbs. @ 3,500 ppm* 6.0 lbs. @ 5,000 ppm	
Safety System	Low flow safety shutoff Low salt indicator Low salt shutoff Over voltage and over current protection Conformal coated electronics for environmental protection	
Warranty	2-year warranty Warranty pro-rated on electrode stack	

\*NSF Certified at 5 lbs. per day.  
\*\*International Model.

**Saline C 6.0 Accessories**

Part Number	Description	Carton Quantity	Carton Weight (lbs.)
HCSBP3-KIT	3" Commercial Salt Chlorine Generator - Bypass Kit	1	16.0
HCSBP4-KIT	4" Commercial Salt Chlorine Generator - Bypass Kit	1	19.0
HCSJBOX-BU	Junction Box for Sanitizer Back-up	1	3.0
HCSCECK15	15' Cell to Power Supply - Extension Cable Kit	1	5.0
HCSCECF15	15' Flow Sensor to Power Supply - Extension Cable Kit	1	5.0

Watch the power of Saline C 6.0  
[Hayward.com/SalineCVideo](http://Hayward.com/SalineCVideo)



Bypass Kit



Junction Box

# Commercial Automation

Thousands of commercial pools, spas, water parks and water treatment facilities worldwide rely on CAT 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.) Our HCC 1000 and HCC 2000 Complete Package Controllers provide you the ultimate user convenience and one-stop-shop automation.

## CAT Controller Model Guide

		CAT 1000®	CAT 2000®	CAT 2000® (PP2000)	CAT 3500®	CAT 4000®	CAT 5000®	CAT 5500®
Monitoring and Controls	pH	•	•	•	•	•	•	•
	ORP		•	•	•	•	•	•
	Temp				•		•	•
	Water Level				•	•	•	•
	Tank Level				•	•	•	•
	Digital Flow				•	•	•	•
	Total Dissolved Solids				•			•
	NaCl (Salt)				•			•
	Backup Sanitization				•	•	•	•
Features and Capabilities	Auxiliary Relays				1	1	2	2
	PVC Backboard	•		•	•	•	•	•
	Flow Cell/Flow Sensor	•		•	•	•	•	•
	Installation Kit <sup>1</sup>	•		•	•	•	•	•
	Wireless, Web-based Communications <sup>2</sup>					Wi-Fi, Cellular and Reflex	Wi-Fi, Cellular and Satellite	Wi-Fi, Cellular and Satellite
	Gold ORP Sensor (for Salt Chlorination) <sup>3</sup>	Optional	Optional	Optional	•	Optional	Optional	•
	Machined Flow Cell & Rotary Flow Sensor <sup>4</sup>	Optional	Optional	•	Optional	Optional	Optional	Optional

<sup>1</sup> Installation kit includes two quick connect fittings and 30' of 3/8" OD poly tubing.

<sup>2</sup> Specify transceiver type when ordering.

<sup>3</sup> Specify -AU option for Gold ORP Sensor.

<sup>4</sup> Specify -075 option for Machined Acrylic Flow Cell with Rotary Flow Sensor.

# CAT 5500® and CAT 3500® Automated pH/ORP Controllers with TDS and Salt Monitoring Capabilities

Discover the latest in powerful water chemistry controllers complete with TDS and Salt monitoring. CAT 3500 automated controller and 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 new models offer the utmost in convenience in pH, ORP, conductivity/NaCl, backup sanitization and Internet-based monitoring.

- pH and ORP controller with conductivity/NaCl monitoring
- Dual sanitizer set points for back-up ORP control; temperature sensor for heater control
- Auxiliary relays for control versatility; 1 relay CAT 3500, 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® 6.0 Salt Chlorine Generator
- 5-year limited warranty on controller; 2-year warranty on sensors
- NSF/ANSI Standard 50 Certified

\*Applies to CAT 5500 only



Part Number	Description	Carton Quantity	Carton Weight (lbs.)
CAT-3500	CAT 3500 pH, ORP and NaCl (Salt) Water Chemistry Controller	1	15.0
CAT-3500075	CAT 3500 with Machined Flow Cell and RFS	1	20.0
CAT-5500-WIFI	CAT 5500 pH, ORP, Temp and NaCl (Salt) with Wi-Fi Transceiver	1	20.0
CAT-5500-CELL	CAT 5500 pH, ORP, Temp and NaCl (Salt) with Cellular Transceiver	1	20.0
CAT-5500-DS100	CAT 5500 pH, ORP, Temp and NaCl (Salt) with Satellite Transceiver	1	20.0
CAT-5500075-WIFI	CAT 5500 with Wi-Fi Transceiver, Machined Flow Cell and RFS	1	20.0
CAT-5500075-CELL	CAT 5500 with Cellular Transceiver, Machined Flow Cell and RFS	1	20.0
CAT-5500075-DS100	CAT 5500 with Satellite Transceiver, Machined Flow Cell and RFS	1	20.0



# CAT 5000® Automated pH/ORP/Temperature Controller with Global Communications

CAT 5000 is the world's first wireless, Internet-based water quality controller employing both satellite and terrestrial communications to provide worldwide coverage. Now you can take advantage of affordable wireless technology and Internet-based monitoring to put you in 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.

- 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 4 different wireless communication protocols ranging from Wi-Fi®, reflex, cellular to satellite, the CAT 5000 will communicate wirelessly, 24/7, from anywhere in the world

- 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.)
CAT-5000-WIFI	CAT 5000 with Wi-Fi Transceiver	1	20.0
CAT-5000-CELL	CAT 5000 with Cellular Transceiver	1	20.0
CAT-5000-DS100	CAT 5000 with Satellite Transceiver	1	20.0
CAT5000075-WIFI	CAT 5000 with Wi-Fi Transceiver, Machined Flow Cell and RFS	1	20.0
CAT5000075-CELL	CAT 5000 with Cellular Transceiver, Machined Flow Cell and RFS	1	20.0
CAT5000075DS100	CAT 5000 with Satellite Transceiver, Machined Flow Cell and RFS	1	20.0
CAT5000-WIFI-UL	CAT 5000 with Wi-Fi Transceiver, UL Listed	1	20.0
CAT5000-CELL-UL	CAT 5000 with Cellular Transceiver, UL Listed	1	20.0
CAT5000DS100UL	CAT 5000 with Satellite Transceiver, UL Listed	1	20.0
CAT5000075WIFIUL	CAT 5000 with Wi-Fi Transceiver, Machined Flow Cell and RFS, UL Listed	1	20.0
CAT5000075CELLUL	CAT 5000 with Cellular Transceiver, Machined Flow Cell and RFS, UL Listed	1	20.0
CAT500075D100UL	CAT 5000 with Satellite Transceiver, Machined Flow Cell and RFS, UL Listed	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.

- 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 communications protocol provides users free PoolComm access
- 5-year limited warranty on controller; 2-year warranty on sensors
- NSF/ANSI Standard 50 Certified



Part Number	Description	Carton Quantity	Carton Weight (lbs.)
CAT-4000-WIFI	CAT 4000 with Wi-Fi Transceiver	1	15.0
CAT-4000-CELL	CAT 4000 with Cellular Transceiver	1	15.0
CAT4000075-WIFI	CAT 4000 with Wi-Fi Transceiver, Machined Flow Cell and RFS	1	20.0
CAT4000075-CELL	CAT 4000 with Cellular Transceiver, Machined Flow Cell and RFS	1	20.0

# 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.

- 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



Part Number	Description	Carton Quantity	Carton Weight (lbs.)
CAT-2000	CAT 2000 Controller and Sensors Only	1	6.0
CAT-PP2000	CAT 2000 Professional Package (Includes PVC backboard, flow cell, flow sensor and complete installation kit)	1	20.0

# CAT 1000<sup>®</sup> Automated pH 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.

- The perfect enhancement for salt-chlorine systems
- Protect your investment
- 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
CAT-1000-CO2	CAT 1000 pH Controller Package with CO <sub>2</sub> Feeder	1	15.0
CAT-1000-PTC	CAT 1000 pH Controller Package with Pump Tank Combo	1	37.0
CAT-1000-ORP	CAT 1000 ORP Controller Package	1	10.0
CAT-1000ORPPTC	CAT 1000 ORP Controller Package with Pump Tank Combo	1	15.0
CAT-1000-PH-UL	CAT 1000 pH Controller Package, UL Listed	1	10.0
CAT-1000-CO2-UL	CAT 1000 pH Controller Package with CO <sub>2</sub> Feeder, UL Listed	1	15.0
CAT-1000-PTC-UL	CAT 1000 pH Controller Package with Pump Tank Combo, UL Listed	1	37.0
CAT-1000-ORP-UL	CAT 1000 ORP Controller Package, UL Listed	1	10.0
CAT1000ORPPTCUL	CAT 1000 pH Controller Package with Pump Tank Combo, UL Listed	1	15.0



# 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
- Get direct control of systems from any web browser
- Monitor and display multiple facilities simultaneously
- 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 TDS and Salt readings

**Watch the PoolComm App Tutorial**  
[Hayward.com/PoolCommAppTutorial](http://Hayward.com/PoolCommAppTutorial)

**Remote water quality management at your fingertips.**



Text **POOLCOMM** to **63566** to download the FREE PoolComm App for iPhone or Android.



# 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.

- 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<sub>2</sub>
- 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 (HCC 2000 only)



Part Number	Description	Carton Quantity	Carton Weight (lbs.)
HCC2000	HCC 2000 pH and ORP Water Chemistry Controller	1	11.0
HCC2000-AU	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
HCC2000-INT*	HCC 2000 pH and ORP Water Chemistry Controller 220V/50HZ	1	15.0
HCC2000-CP-INT*	HCC 2000 pH and ORP Water Chemistry Controller with Pumps 220V/50HZ	1	20.0
HCC2000-LP-INT*	HCC 2000 pH and ORP Water Chemistry Controller with Large Pumps 220V/50HZ	1	20.0

\*CE Certified

# HCC 1000 Automated pH 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 (HCC 1000 only)



Part Number	Description	Carton Quantity	Carton Weight (lbs.)
HCC1000-pH	HCC 1000 pH Controller	1	10.0
HCC1000-CO2	HCC 1000 pH Controller with CO <sub>2</sub> Feeder	1	15.0
HCC1000-ORP	HCC 1000 ORP Controller	1	10.0
HCC1000-pH-CP	HCC 1000 pH Complete Package with Pre-mounted Chemical Feed Pump	1	15.0

# Commercial Automation Accessories

Part Number	Description	Carton Qty.	Carton Weight (lbs.)	Part Number	Description	Carton Qty.	Carton Weight (lbs.)
AC003	Residential CO <sub>2</sub> pH Control System	1	5.0	DF825-2-5	Saddle Clamp 2.5" for Sch 80	1	1.0
AC004	Standard CO <sub>2</sub> System	1	7.0	DF830-3	Saddle Clamp 3.0" for Sch 80	1	1.0
AC005	High Output CO <sub>2</sub> System	1	7.0	DF840-4	Saddle Clamp 4.0" for Sch 80	1	1.0
AC006	Auto Switch Over	1	6.0	DF860-6	Saddle Clamp 6.0" for Sch 80	1	1.0
AC015	110 VAC Brass Body Solenoid Valve	1	3.0	DF880-8	Saddle Clamp 8.0" for Sch 80	1	1.0
AC016	24 VAC Brass Body Valve 3/4"	1	3.0	DF8100-10	Saddle Clamp 10" for Sch 80	1	1.0
AC018	110 VAC Stainless Steel Body Solenoid Valve	1	3.0	DF8120-12	Saddle Clamp 12" for Sch 80	1	1.0
AC025	Stenner Pump Variable Pump Output	1	9.0	LS010	Optical Level Sensor	1	1.0
AC030	Stenner Pump Fixed Pump Output	1	9.0	LS020	Top Mount Tank MTG Level Kit	1	1.0
AC0317	BNC Sensor Connector Adaptor	1	1.0	PRO15-2	pH Probe 24" Cable	1	1.0
AC035	Peristaltic Feed Pump	1	5.0	PRO15-10	pH Probe 120" (10') Cable	1	1.0
AC063	Molded Flow Cell Complete w/Valves and Floating Flow Sensor	1	2.0	PRO25-AU-2	ORP Probe 24" Cable AU=Gold Tip	1	1.0
AC065	Molded Flow Cell Complete for Conductivity Sensor	1	2.0	PRO25-AU-10	ORP Probe 120" (10') Cable AU=Gold Tip	1	1.0
AC075	Machined Flow Cell w/Rotary Flow Sensor	1	6.0	PRO25-2	ORP Probe 24" Cable	1	1.0
ACO80	Acrylic Flow Cell Complete for Conductivity Sensor	1	5.0	PRO25-10	ORP Probe 120" (10') Cable	1	1.0
AC315	AutoPilot® Interface Cable	1	2.0	PRO55-2	Conductivity Probe NaCl 24" Cable	1	1.0
AC316	CAT 5000® Temperature Sensor	1	1.0	PS001	Probe Saver Kit	1	2.0
AQL-CHEM4-ACID	pH Dispense, Acid Feed System, 120V	1	24.0	RA015	Remote Dome Antenna	1	1.0
AQL-CHEM4-CHLOR	Liquid Chlorine Feed System, 120V	1	24.0	RA020	Remote Whip/Satellite Antenna	1	1.0
DF010	Digital Flow Meter	1	2.0	RA024	25' Antenna Extension Cable	1	3.0
DF015-1-5	Saddle Clamp Kits 1.5" for Sch 40	1	1.0	RA025	50' Antenna Extension Cable	1	6.0
DF020-2-5	Saddle Clamp Kits 2.5" for Sch 40	1	1.0	RA026	100' Antenna Extension Cable	1	12.0
DF030-3	Saddle Clamp Kits 3.0" for Sch 40	1	2.0	RA030W	Remote Wi-Fi® Antenna - 2.5GH Frequency - with 10' Cable	1	5.0
DF040-4	Saddle Clamp Kits 4.0" for Sch 40	1	2.0	RA035C	Remote Cellular Antenna - Penta Band - with 10' Cable	1	5.0
DF060-6	Saddle Clamp Kits 6.0" for Sch 40	1	2.0	SV015	15 Gallon Solution Vat	1	22.0
DF080-8	Saddle Clamp Kits 8.0" for Sch 40	1	2.0	SV030	30 Gallon Solution Vat	1	30.0
DF100-10	Saddle Clamp Kits 10.0" for Sch 40	1	2.0	WL010	Water Level Control Kit	1	5.0
DF120-12	Saddle Clamp Kits 12.0" for Sch 40	1	2.0	VR1K	Stratum® Vacuum Release Interface Kit	1	3.0
DF815-1-5	Saddle Clamp 1.5" for Sch 80	1	1.0	PTC15	Pump Tank Combo 15/45M5	1	27.0
DF820-2	Saddle Clamp 2.0" for Sch 80	1	1.0	PTC30	Pump Tank Combo 30/45M5	1	35.0
				PTCRES	Pump Tank Combo Residential 15/45MP1	1	27.0

AutoPilot is a registered trademark of AquaCal AutoPilot Inc.  
Wi-Fi is a registered trademark of the Wi-Fi Alliance.

Liquid Chemical Feed System  
(AQL-CHEM4-ACID and  
AQL-CHEM4-CHLOR)



# Commercial Cleaners

Hayward® Commercial Pool 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. AquaVac 500C, our latest robotic pool cleaner, scrubs from floor to waterline with computer efficiency and superior performance.

## TigerShark® 2 and TigerShark 2 Plus with Remote

- 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
- TigerShark 2 Plus includes wireless remote for easy spot cleaning

## AquaVac® 500C

- New microprocessor-based program calculates most efficient cleaning path
- Dual-Mode technology with two cleaning programs: fast 90-minute bottom only or deep 3-hour bottom, wall and waterline cleaning
- Out-of-water sensor, ideal for zero entry pools
- Swivel with 75' floating tangle-free cable
- Large, top-access cartridge chamber for quick access to debris removal and easy clean-up
- Cartridge filter elements (optional spring clean-up elements for larger debris)
- Powerful dual scrubbing brushes clean pool floor, coves, walls and waterline
- One carton system – including robust Caddy Cart
- Optional foam brush



	TigerShark 2/TigerShark 2 Plus	AquaVac 500C
Part Number	RC9956GRCC/RC9965GRCC*	RC3432AU7
Rec. Pool Size	Up to 30' x 60'	Up to 30' x 60'
Gallons Circulated	4500 GPH	4500 GPH
Filter Micron Porosity/Area	5/1000 in. <sup>2</sup>	5/1000 in. <sup>2</sup>
Motor System	Non-oil filled, microprocessor	Non-oil filled, microprocessor
Cleaning Speed	55 ft. <sup>2</sup> /minute	42 ft. <sup>2</sup> /minute
Dual-Mode Cleaning Cycles	7-hours bottom, wall and waterline	90-minutes bottom only/3-hours bottom, wall and waterline
Recurring Cleaning Cycle	Not Available	Programmable cleaning every 24hr, 48hr and 72hr
Cord Length	100'	75'
Voltage	120V/60Hz	120V/60Hz
Height/Width/Length	11" x 16" x 16"	30" x 18" x 25"
Caddy Cart	Included	Included
Carton Quantity	1	1
Carton Weight (lbs.)	44.0	26.0
Warranty	1-year limited warranty	1-year limited warranty
Sensors	N/A	Out-of-water, beach entry

\*TigerShark 2 Plus has wireless remote controls.

# AMBIANCE AND COMFORT

Picture-perfect for complete tranquility.

The best commercial pools get you feeling just right. From lighting to heating, Hayward® turns an everyday swim into an unforgettable experience. Our innovative, industry-leading heaters excel in performance and energy efficiency, while our lighting options change the game completely. Whether you're looking for vibrant color-saturated light shows from Universal ColorLogic® or the brightest-in-the-industry 500 watt equivalent white LED lighting from CrystalLogic®, Hayward saves you up to 84% on energy costs – without sacrificing an ounce of brilliance. You provide the swimmers, we'll provide the memories. It's the Hayward way.



# Commercial Heaters

Building on our existing industry-leading line of gas 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 Pool's 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 NOx emissions. Flexible connection options make them ideal for new or existing applications.



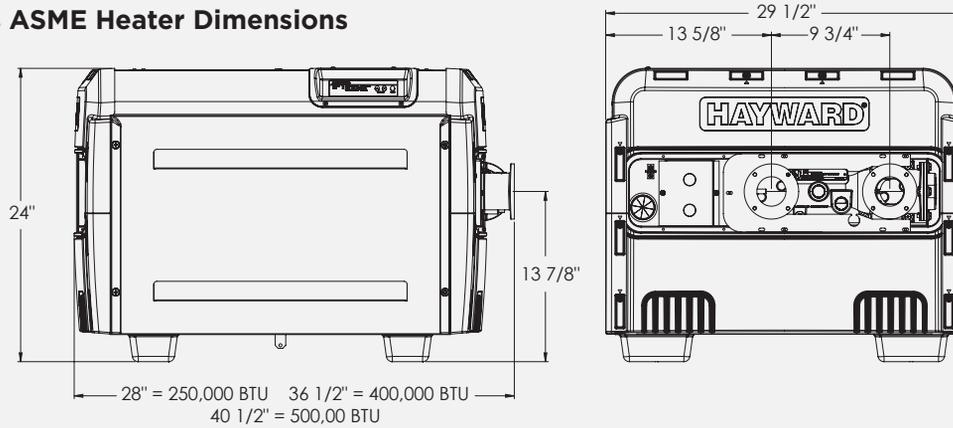
- Choose from 6 models (250,000, 400,000 and 500,000 BTU natural gas or propane)
- 500,000 BTU provides unprecedented speed to heat, with just 2 models delivering 1 million BTU's while using minimal pump room space
- Patented Cupro Nickel Finn Plate™ heat exchanger with bronze comes included as standard
- Independent left- or right-side electric, water and gas connections
- 2" x 2½" CPVC flanged connections
- ASME pressure relief valve included as standard
- Electronic lock-out feature prevents unauthorized access to configuration settings
- Easy installation and service via access of single front panel
- Easy gas valve adjustment
- Easy dual-voltage conversion with fuse-protected circuit boards
- 3-year limited warranty on parts and labor

### Technical Specifications

Part Number	BTU	Description	Pipe Size	Max. Allowed Working Pressure	Dimensions (L x W x H)	Carton Quantity	Carton Weight (lbs.)
H250FDNASME	250,000	Natural Gas	2" x 2-1/2"	125 psi	28" x 29-1/2" x 24"	1	195.0
H400FDNASME	400,000	Natural Gas	2" x 2-1/2"	125 psi	36-1/2" x 29-1/2" x 24"	1	225.0
H500FDNASME*	500,000	Natural Gas	2" x 2-1/2"	125 psi	40-1/2" x 29-1/2" x 24"	1	240.0
H250FDPASME	250,000	Propane	2" x 2-1/2"	125 psi	28" x 29-1/2" x 24"	1	195.0
H400FDPASME	400,000	Propane	2" x 2-1/2"	125 psi	36-1/2" x 29-1/2" x 24"	1	225.0
H500FDPASME*	500,000	Propane	2" x 2-1/2"	125 psi	40-1/2" x 29-1/2" x 24"	1	240.0

\*Includes flow and pressure sensor.

Universal H-Series ASME Heater Dimensions



**ELECTRONIC TEMPERATURE LOCK-OUT**

- Prevents unauthorized access to temperature settings
- Optional mechanical control bezel lock-out cover available

**LOW-PROFILE 24" HEIGHT CABINET**

- Lowest industry height for an unobtrusive equipment pad
- Can be raised off floor, closer to ceiling for small equipment rooms or pads

**FORCED DRAFT COMBUSTION**

- Impervious to wind and weather
- Reliable, low NOx environmentally responsible heating
- Certified for high-altitude applications up to 10,000 ft. standard

**SUITABLE FOR INDOOR INSTALLATIONS**

- Now with 4", 6" and 8" venting kit options for Natural Gas applications
- New venting kits provide installer choice of various venting pipe manufacturers



**PATENTED CUPRO NICKEL FINN PLATE™ HEAT EXCHANGER AS STANDARD**

- Totally managed flow design provides high hydraulic efficiency
- High flow and chemical resistance suitable for saltwater applications

**LOW LEAD BRONZE HEADER AS STANDARD WITH PATENTED HEADER BYPASS DESIGN**

- Industry-leading hydraulic performance
- Up to 18% energy savings via reduced circulation pump time

**UNIVERSAL DESIGN FOR LEFT- OR RIGHT-SIDE PLUMBING, GAS AND ELECTRICAL**

- Easily retrofits to preexisting or new pad configurations
- Certified for installation on combustible surfaces

**NONCORROSIVE FEET**

- No rust or other corrosion on wet floors and pads



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

Part Number	Description
UHXNEGVT12501	6" Indoor Vent Adapter Kit, H250FD, Negative-Pressure (Vertical)
UHXPOSHZ12501	6" Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal)
UHXPOSHZ12502	4" Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal)
UHXNEGVT14001	8" Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical)
UHXPOSHZ14001	8" Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal)
UHXPOSHZ14002	6" Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal)
UHXPOSHZ15002	6" Indoor Vent Adapter Kit, H500FD, Positive-Pressure (Horizontal)
UHXTFP1930	Texas Heater Kit - Temp/Pressure and Flow Switch Kit
UHXFSW1930	Texas Heater Kit - Flow Switch Only

Note: The Vent Kits are the Adapters ONLY – to be used with either Heattfab, DuraVent or Z-Flex vent piping.



# Commercial Lighting

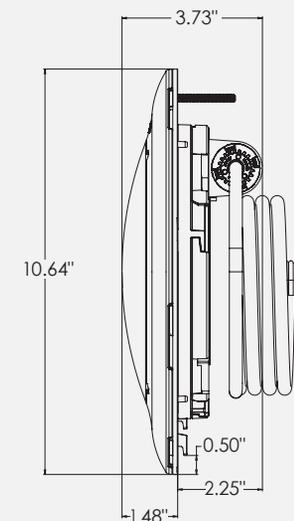
Hayward® Commercial Pool gives you brilliant, versatile lighting options for both new construction and remodels to transform any body of water. First to be UL Listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic® White LED and Universal ColorLogic® Lighting are designed with industry-leading technology to cut operation costs and deliver unparalleled performance. CrystaLogic and ColorLogic 320 and 160 Accent Lights provide total coordination of all water environments by putting smaller pool and spa features in the spotlight.

## Universal CrystaLogic® White LED Lights

The industry's brightest and most versatile 100W spa, 300W and 500W equivalent white LED pool lights for any water feature or recreational body of water, Universal CrystaLogic will drastically reduce operation costs and deliver dynamic lighting performance you simply have to see to believe. They're exceptionally bright and remarkably efficient, offering savings of up to 84% over incandescent, lasting 10 times longer and delivering a payback in less than two years. These 12V, 2-wire all-plastic lights are truly universal and UL Listed for safe installation into virtually any manufacturer's niches.

- Brightest 100W spa, and 300W and 500W equivalent white LED pool lights\*
- Use up to 84% less energy than incandescent lights and last up to 10 times longer
- UL Listed to retrofit into most manufacturers' installed niches, making them virtually universal
- 12V, 2-wire, all-plastic construction with an unbreakable lens makes them intrinsically safe and easy to install
- Energy and maintenance savings can deliver a payback in less than two years

\*Based on measured test data at the time of print.



### Universal CrystaLogic White LED Lights

Part Number	Equivalent Brightness	Pool or Spa	Cord Length (ft.)
LSLUS11030	100W	Spa	30
LSLUS11050	100W	Spa	50
LSLUS11100	100W	Spa	100
LSLUS11150	100W	Spa	150
LPLUS11030	300W	Pool	30
LPLUS11050	300W	Pool	50
LPLUS11100	300W	Pool	100
LPLUS11150	300W	Pool	150
LPWUS11030	500W	Pool	30
LPWUS11050	500W	Pool	50
LPWUS11100	500W	Pool	100
LPWUS11150	500W	Pool	150



- Can be installed as close as 4 inches from the waterline and upward facing without a rock guard, suitable for main pool/spa illumination, beach entries, steps, shelves, water features, etc.
- UCL Thin Niche provides incredible installation savings for new construction
- 1-year limited warranty

# CrystaLogic® 320 & 160 White LED Lights

CrystaLogic 320 & 160 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 & 160 lights are ideal for steps, water features, jets, bubblers, baja shelves, fountains, spray/splash pads, landscape features and more.

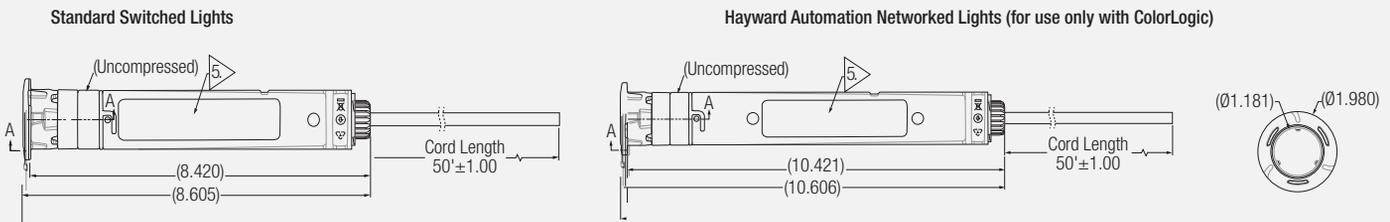
- Allow for total coordination of all water environments
- Easiest 1.5-inch lights to install at just 4 inches below waterline in any depth of water and in as little as 8 inches of PVC conduit
- Ideal for commercial pool/spa lighting or lighting steps, water features, baja shelves, bubblers, spray/splash pads and more
- Can be installed in dry/landscape applications
- Last 10 times longer than incandescent lights
- Available in two brightness levels with multiple cord lengths
- Vinyl, Fiberglass, and Concrete low-profile installations
- Comes with simple installation tool
- UL Listed for safe floor or wall installation
- 1-year limited warranty



## CrystaLogic 320 & 160 Lights

	Standard Switched Lights	Cord Length (ft.)
High Lumen CrystaLogic 320 12V Lights	LAWUS11030	30
	LAWUS11050	50
	LAWUS11100	100
	LAWUS11150	150
Standard Lumen CrystaLogic 160 12V Lights	LYWUS11030	30
	LYWUS11050	50
	LYWUS11100	100
	LYWUS11150	150

## Dimensions for Standard Switched or Hayward Automation Networked Lights





# Universal ColorLogic® Color LED Lights

Hayward® Universal ColorLogic Lights are the first automated color-changing LED lights designed to illuminate nearly any existing pool or spa, even those with just one light. UL Listed to retrofit virtually any existing light niche, these lights come standard with 10 vibrant colors and 7 light shows, plus an expanded spectrum of 101 colors when networked with Hayward Automation.

Universal ColorLogic Lights shine 100% brighter\* than any other color LED lighting and last up to 10 times longer than incandescent bulbs. Best of all, they offer energy savings of up to 86% when compared with incandescent.

- 100% brighter\* than any color LED light
- Use up to 86% less energy than incandescent lights and last up to 10 times longer
- 12V, 2-wire all-plastic construction and an unbreakable lens makes them intrinsically safe and easy to install
- UL Listed to retrofit most manufacturers' installed niches
- Can be installed as close as 4 inches from the waterline or upward facing without a rock guard, suitable for main pool/spa illumination, beach entries, steps, shelves, water features, etc.
- UCL Thin Niche provides incredible installation savings for new construction

\*Based on measured test data at the time of print.



- Color trim rings for pool and spa lights include smooth white and silver luster starburst—both ship with product
- Additional trim ring options include white starburst, black, blue, beige and gray
- Brilliant 10 fixed colors and 7 color-changing shows
- 1-year limited warranty

# ColorLogic 320 & 160 Color LED Lights

Bringing commercial pool and spa features to life is easier than ever with ColorLogic 320 & 160 Lights. Ideal for low-profile full pool and spa lighting or for highlighting steps, jets, bubblers, baja shelves, fountains, landscaping and more, these versatile lights lend total color coordination to any environment. Available in two brightness levels, and able to be installed in wet or dry applications, ColorLogic 320 & 160 1.5" LED lights create a striking environment in any setting.

- 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 8 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
- Available in two brightness levels with multiple cord lengths
- Vinyl, Fiberglass, and Concrete low-profile installations
- Come with simple installation tool
- UL Listed for safe floor or wall installation
- ColorLogic 320 & 160 lights provide 10 fixed colors and 7 color-changing shows, and when networked with Hayward Automation, an expanded spectrum of 101 fixed colors and 11 color changing shows
- 1-year limited warranty



## ColorLogic 320 & 160 Lights

	Standard Switched Lights	Hayward Automation Networked Lights	Cord Length (ft.)
High Lumen ColorLogic 320 12V Lights	LACUS11030	LACUN11030	30
	LACUS11050	LACUN11050	50
	LACUS11100	LACUN11100	100
	LACUS11150	LACUN11150	150
Standard Lumen ColorLogic 160 12V Lights	LYCUS11030	LYCUN11030	30
	LYCUS11050	LYCUN11050	50
	LYCUS11100	LYCUN11100	100
	LYCUS11150	LYCUN11150	150

# Accessories for Universal CrystaLogic®, Universal ColorLogic® and CrystaLogic/ColorLogic 320 & 160 Lights

## UCL Concrete Niches



Part Number	Description	Approved Light	Pool or Spa
LFGUY1000	Non-Bonded, Non-Grounded Low-Profile Plastic Pool Niche for Concrete Pools	Universal ColorLogic and CrystaLogic	Pool
LGGUY1000	Non-Bonded, Non-Grounded Plastic Spa Niche for Concrete Spas	Universal ColorLogic and CrystaLogic	Spa

## J-Box Transformer Retrofit Kit

Part Number	Kits	Watts
LRBUY11H65	Hayward®	70W
LRBUY11P65	Pentair®	70W
LRBUY11T65	Thermocraft®	70W
LRBUY11M65	Intermatic®	70W
LRBUY11M13	Intermatic	140W



## Accessories for Hayward Automation Networked Lights



SKU #AQL-COLOD-MODHV

Part Number	Description
LKBUN1000	Works with ColorLogic Networked Lights Only
AQL-COLOD-MODHV	Communication Modem for Networked Lights



Installation Tool Included  
SKU #SP0536CTOOL

## J-Box & Wall-Mount Pool Lighting Transformers

Part Number	Transformer	Watts
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LTBUY11300	Hayward	300W



LTBUY11300  
Wall-Mount  
Transformer

LTBUY11H14  
Able to  
Support  
Two Lights

### See Your Savings When Using Hayward's LED Lighting.

Calculate financial savings when switching from an incandescent to UCL: [Hayward.com/UCLCalculator](http://Hayward.com/UCLCalculator)

Calculate per-niche savings when using a UCL Thin Niche: [Hayward.com/NicheCalculator](http://Hayward.com/NicheCalculator)



## HYDRAULIC PERFORMANCE AND RECIRCULATION SYSTEMS

Dependability and efficiency delivered.

With its long history of industry-leading hydraulic performance, Hayward is dedicated to keeping commercial pools running smoothly and efficiently with no down time required. From our high-performing commercial pumps and large-capacity filters, to the most reliable, ergonomically designed flow control valves, you get unmatched quality assurance with everyday genuine Hayward excellence. By reducing your energy use and saving you energy costs, Hayward has you moving in the right direction.

# Commercial Pumps

Hayward® Commercial Pool offers a complete line of technologically advanced self-priming commercial pumps ranging from the industry's most efficient swimming pool pump, the variable speed EcoStar® C, to the robust, large horsepower HCP Series pumps in sizes 5.5 through 12.5hp.

## HCP Series Pumps

Hayward Commercial Pool's HCP self-priming pumps provide a technologically advanced alternative to traditional bronze or cast-iron pumps. Their lightweight, Noryl® thermoplastic housings make one-man 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 in the Hayward Commercial Series, ranging from 5.5 to 12.5 hp, allow right-sizing for most high-flow, medium head applications.

- Suitable for commercial swimming pools, spas and water features
- Lightweight, glass-reinforced Noryl hydraulic body
- Impeller and flange made from glass-reinforced Noryl for maximum strength-to-weight ratio
- 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



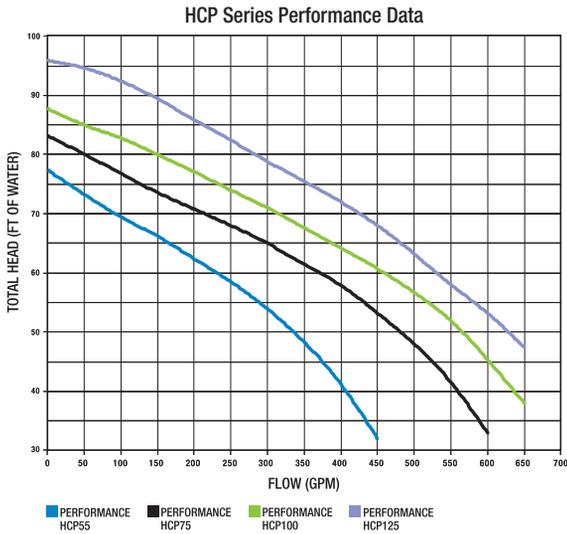
- Tool-free, quick release bolted lid mechanism for fast and easy access to strainer basket
- 1-year limited warranty
- NSF/ANSI Standard 50 Certified

### Technical Specifications

Part Number	Horsepower	Voltage	Amps	Carton Quantity	Carton Weight (lbs.)
HCP55	5.5	230/460 Three Phase	14.6/7.3	1	110.0
HCP75	7.5	230/460 Three Phase	21/10.5	1	125.0
HCP100	10.0	230/460 Three Phase	26.1/13	1	142.5
HCP125	12.5	230/460 Three Phase	31.6/15.8	1	155.0

† Noryl is a registered trademark of Sabic Innovative Plastics.

Performance Data



All motors certified to UL1004, IP 55 protection, insulation class F, 60 Hz., 3,550 RPM

Head Loss in Ft - HCP Single Speed Pumps

GPM	Performance HCP55	Performance HCP75	Performance HCP100	Performance HCP125
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				

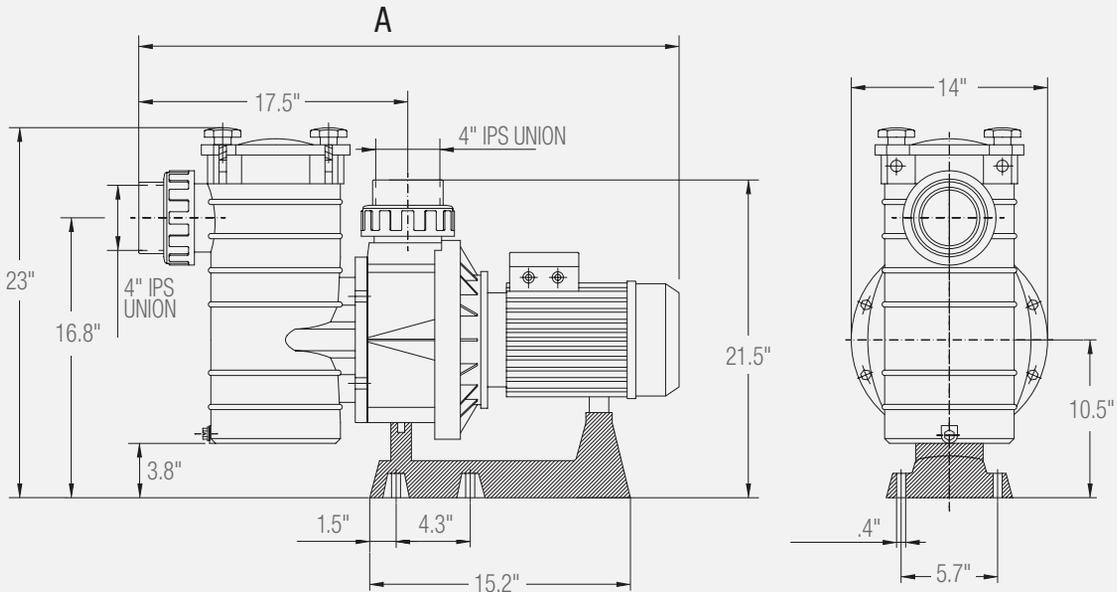
Pump Output (GPM) vs. Total Resistance to Flow (Per Feet of Head)

Part Number	Flow Rate (GPM)							
	25	30	35	40	45	50	55	60
HCP55	476	450	431	406	374	333	291	235
HCP75	641	614	588	561	526	481	430	369
HCP100	721	695	669	635	602	570	521	461
HCP125	815	776	739	709	668	631	580	536

Part Number HP A (Inches)

Part Number	HP	A (Inches)
HCP55	5.5	34.2
HCP75	7.5	36.0
HCP100	10.0	37.2
HCP125	12.5	37.2

Dimensions



# EcoStar® C Pumps

EcoStar C is the industry’s most energy-efficient variable-speed pump. It’s fully compliant with energy efficiency regulations such as Title 20 and APSP-15 with up to eight custom speed and timer functions and it’s settings can be “locked out” for authorized access only. EcoStar C’s advanced hydraulic design moves water more efficiently, operating at lower RPMs to minimize noise and save pool operators up to 90% on energy costs. The system is available with or without integrated SVRS that is fully compliant with the Virginia Graeme Baker Pool & Spa Safety Act.



- Permanent Magnet, Totally Enclosed Fan Cooled (TEFC) motor
- Passcode protection of configuration menus to prevent unauthorized access to timer or speed settings
- Unique on-pump, multi-position digital control interface; unit can also be detached and wall mounted for added convenience
- Large ribless basket for extended time between cleanings
- Pump available with or without VGB-compliant integrated SVRS, features automatic restart
- 15 ft. communications cable for remote interface mounting
- 2" x 2-1/2" union connections
- Industry-leading hydraulic design
- Interchangeable bases for easy retrofitting
- 3-year limited warranty
- NSF/ANSI Standard 50 Certified



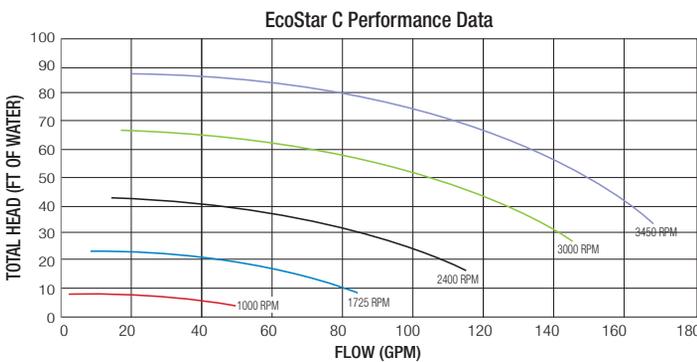
**OPTION 1:**

Control interface can be rotated on the pump for convenient access and viewing.

**OPTION 2:**

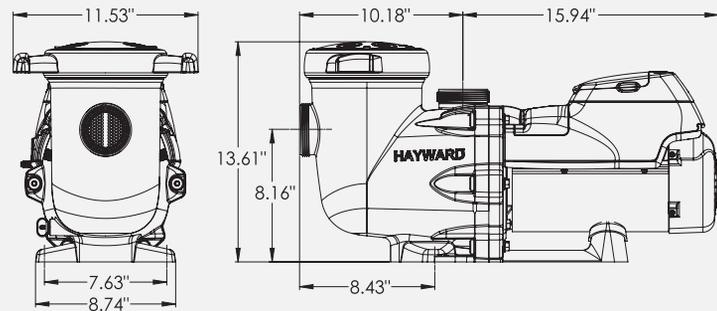
For ultimate flexibility, detach the control interface and attach to wall using included mounting kit and communication cable.

**Performance Data**



*EcoStar C runs efficiently in all of these ranges.*

**Dimensions**



**Technical Specifications**

Part Number	Description	Speed Range	Voltage	Carton Quantity	Carton Weight (lbs.)
HCP3400VSP	EcoStar C	600-3450 RPM	230V Single Phase	1	63.0
HCP3400VSPVR	EcoStar C SVRS	1000-3450 RPM	230V Single Phase	1	63.0

# TriStar® Pumps

The TriStar Pump features the industry's most energy efficient hydraulics with the 3 to 5 HP pumps providing unmatched performance in semi-commercial applications. 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 is quick and easy to clean.

- 2" x 2 1/2" union connections make installation and servicing fast and easy
- No-rib basket design ensures easy debris removal. Extra leaf-holding capacity extends time between cleanings
- Tri-Lock strainer cover design seals with less than a quarter turn
- Self-priming (suction lift up to 10' above water level)
- Elevated base ensures better ventilation and protection from flooding
- 3-year limited warranty
- NSF/ANSI Standard 50



## Technical Specifications

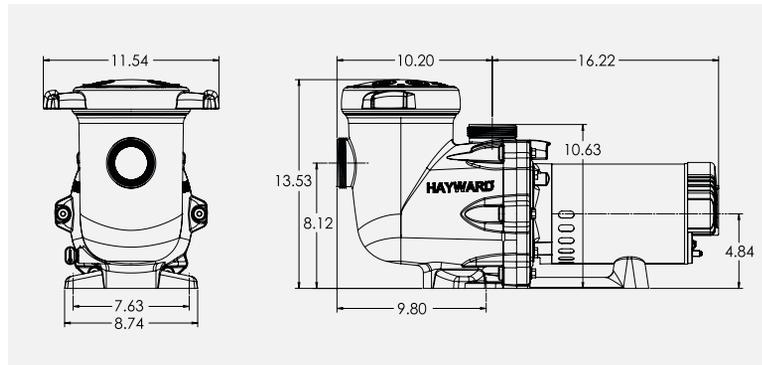
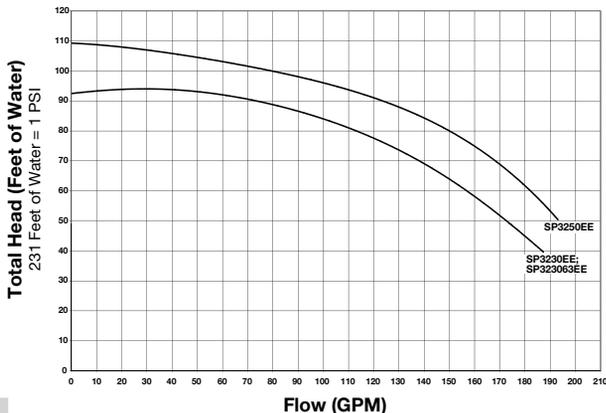
Part Number	Rated H.P.	Voltage	Union Connections	Carton Qty.	Carton Weight (lbs.)
SP3230EE	3	208 - 230	2" x 2-1/2"	1	66.0
SP323063EE*	3	208/230 - 460	2" x 2-1/2"	1	66.0
SP3250EE	5	208 - 230	2" x 2-1/2"	1	66.0

\*Three phase

## Performance Data

Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)

Part Number	20 ft.	30 ft.	40 ft.	50 ft.	60 ft.	70 ft.	80 ft.	90 ft.	100 ft.
<b>Energy Efficient Full Rated</b>									
SP3230EE	212	200	186	171	154	138	111	75	—
SP3250EE	240	227	213	193	182	168	150	118	80
SP323063EE	212	200	186	171	154	138	111	75	—



# Commercial Filters

Hayward® Commercial Pool offers the latest in filtration technology with the HCF Series of high-performance sand and cartridge filters, well-positioned to meet the most demanding filtration requirements. Our next generation, heavy-duty fiberglass sand filters provide unprecedented sizes, innovative features and 5-year warranty. Our dual-quad cluster HCF7030C cartridge system features increased hydraulic efficiency, reducing operation costs.

## HCF Series Sand Filters

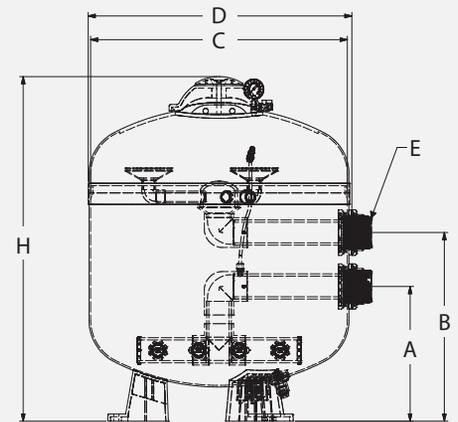
Our HCF Series Sand Filter sets a new standard for quality and performance in the recreational water market – now with a 5-year warranty. A new rapid open/close, tool-free lid mechanism features industrial-grade yoke assembly and a massive 12" x 16" man-way with two viewing windows allows for visual inspection while filter is in operation. Non-corrosive glass-filled ABS legs allow for better serviceability and convenience in media loading and filter inspection. Its infusion molded, gel-coated thermoset fiberglass structure is complemented with oversized, grid-array laterals to improve filtration and lengthen filter cycle time.

- Tool-free, injection-molded, internally mounted 14" x 18" industrial-grade lid and yoke assembly with two viewing windows and O-ring seal
- Commercial-grade, 1-1/2," self-cleaning injection-molded, 180° slotted laterals arranged in a grid-array provide superior filtration performance
- Industrial-grade, infusion-molded, gel-coated, multi-layer, glass-reinforced, thermoset composite structure
- Large 12" x 16" top opening for easy media loading and filter inspection
- Full 1" bottom media drain-including 3/4" integral water drain with media screen
- 5-year limited warranty
- NSF/ANSI Standard 50 Certified



### Dimensions

Part No.	A	B	C	D	E	H	Sand (lbs.)
HCF302T	16.5"	24"	30"	30.625"	2"	42.5"	650.0
HCF342T	18.75"	26.25"	34"	34.5"	2"	47.5"	950.0
HCF343T	18.75"	26.25"	34"	34.5"	3"	47.5"	950.0
HCF343F	18.5"	26.22"	34"	34.5"	3"	47.5"	950.0
HCF362T	18.75"	26.25"	36.25"	37"	2"	48.5"	1050.0
HCF363T	18.75"	26.25"	36.25"	37"	3"	48.5"	1050.0
HCF363F	18.5"	26.22"	36.25"	37"	3"	48.5"	1050.0



**Technical Specifications & Performance Data**

Part Number	HCF302T	HCF342T	HCF343T	HCF343F	HCF362T	HCF363T	HCF363F
Size of Fiberglass Sand Filter	30"	34"	34"	34"	36"	36"	36"
Filtration Area ft <sup>2</sup>	4.9	6.3	6.3	6.3	7.2	7.2	7.2
Filtration Rate gpm/ft <sup>2</sup>	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20	5 - 20
Filtration Flow Rate at 15gpm/ft <sup>2</sup> (GPM)	73.5	94.5	94.5	94.5	108	108	108
Filtration Flow Rate at 20gpm/ft <sup>2</sup> (GPM)	98	126	126	126	143	143	143
Backwash Flow Rate (GPM)	25 - 98	32 - 126	32 - 126	32 - 126	36 - 143	36 - 143	36 - 143
Maximum Working Pressure (PSI)	50	50	50	50	50	50	50
Vertical Clearance	42.5"	47.5"	47.5"	47.5"	48.5"	48.5"	48.5"
Side Clearance	30"	34"	34"	34"	36.25"	36.25"	36.25"
Inlet/Outlet Connections	2" Threaded	2" Threaded	3" Threaded	3" Flanged	2" Threaded	3" Threaded	3" Flanged
Carton Dimensions (L x W x H)	38.0 x 38.3 x 54.3						
Carton Weight (lbs.)	185.0	196.0	196.0	200.0	201.0	201.0	204.0



**34" Model Designed for Renovation/Replacement Market**



# ProSeries™ Plus Semi-Commercial Sand Filters

The ProSeries Plus satisfies the requirements of most semi-commercial installations, including pools, spas, fountains and interactive water features. Its spherical tank design evenly distributes the high pressure and stress associated with these applications, resulting in greater strength and longer life.

- Durable, flanged inspection cover provides convenient access to top of filter
- 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 or 1-½" socket x 2" slip connectors for multiple (tandem) filter installations
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability
- 3-year limited warranty



## Technical Specifications

Part Number	Valve	Sand Required	Dimensions		Carton Quantity	Carton Weight (lbs.)
			Width**	Height		
S311SX	Not Included*	350 lbs.	31"	38-5/8"	1	74.0
S360SX	Not Included*	700 lbs.	36"	46"	1	95.0

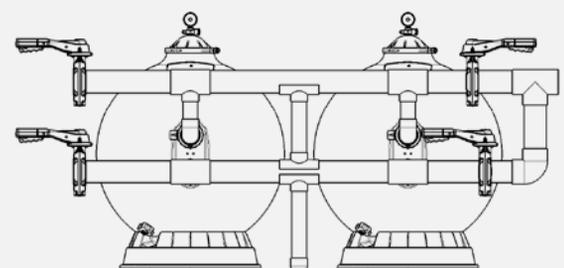
\*Order valve separately. Part number SP0715X62.  
 \*\*Above dimensions are for filter only. Add 14" for 2" multipoint valves.

## Performance Data

Part Number	Effective Filtration Area	Design Flow Rate*	Maximum Working Pressure	Turnover	
				8 Hours	10 Hours
S311SX	4.95 ft. <sup>2</sup>	99 GPM	50 psi	47,520 gal.	59,400 gal.
S360SX	6.50 ft. <sup>2</sup>	130 GPM	50 psi	62,400 gal.	78,000 gal.

\*Based upon 20 GPM per ft.<sup>2</sup>. Maximum allowable NSF rating.

## Filter Manifold Assembly



# Commercial Filter Accessories

Hayward® Commercial Pool's 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.

## 2" Multiport Valve Kit

Hayward's 2" Multiport Valve Kit is factory plumbed for use with Hayward HCF302T, HCF342T and HCF362T (up to 125 GPM) commercial sand filters, complete with 2" union connections. The six-position valve facilitates selection of filter, backwash, waste, rinse, closed or recirculate modes at the turn of a single lever. The integral sight glass allows the operator to visually monitor the backwash stream.

- Factory plumbed to fit Hayward HCF302T, HCF342T and HCF362T (up to 125 GPM) commercial sand filters
- Simplifies filter installation and operation
- Six mode selections at the turn of a single lever
- 2" union connectors included
- Accommodates flow rates to 125 GPM



## 3" Multiport Valve Kit

Rated for a maximum flow of 325 GPM, the Hayward 3" Multiport Valve is the perfect complement to the Hayward HCF343T and HCF363T commercial sand filters. For optimum flexibility in the commercial setting, the valve features 3" NPT ports for in-filled configuration and plumbing. The six-position valve facilitates selection of filter, backwash, waste, rinse, closed or recirculate modes at the turn of a single lever.

- Valve body features both side-mount and bottom-mount ports for filter connections
- Durable ABS construction
- Accommodates flow rates to 325 GPM
- Six mode selections at the turn of a single lever
- Plumbing kit available



Part Number	Size	Description	Carton Quantity	Carton Weight (lbs.)
HCV275	2"	2" Commercial Multiport Valve Kit	1	10.8
HCV375	3"	3" Commercial Multiport Valve	1	22.0
HCV375KIT	3"	3" Commercial Multiport Valve Plumbing Kit	1	12.0

# HCF Series Cartridge Filters

The Dual-Quad-Cluster commercial HCF7030C cartridge filter system features a massive 700 ft<sup>2</sup> 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.

- 700 ft<sup>2</sup> 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" or 2-1/2" connections with full 2" internal piping
- Capable of handling 150 GPM flow rates
- 1-year limited warranty
- NSF/ANSI Standard 50 Certified

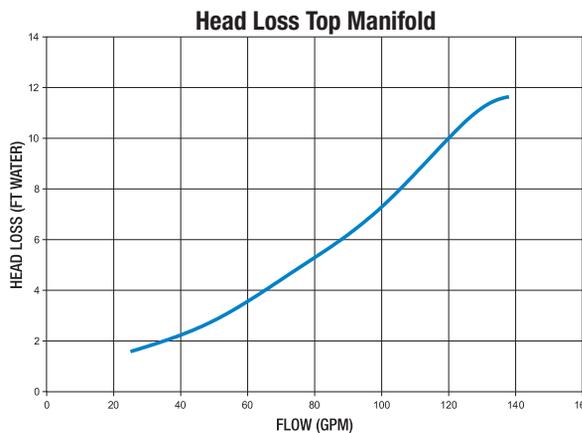


## Technical Specifications and Performance Data

Part Number	HCF7030C
Product Dimensions	52.5" Tall, 26" Diameter
Effective Filtration Area	700 ft <sup>2</sup>
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
Performance Range	1/2 to 3 HP (30 to 150 GPM) .37 to 2.24 kW (114 to 568 LPM)
Maximum Working Pressure	50 psi
Turnover (in gallons) 8 hrs	72,000
Turnover (in gallons) 10 hrs	90,000
Product Weight	77 lbs.

\*Determined by pump size and piping system hydraulics, 2 1/2" piping is recommended for flow rates equal to or greater than 90 GPM (341 LPM). Hayward doesn't recommend flow rates above 150 GPM.

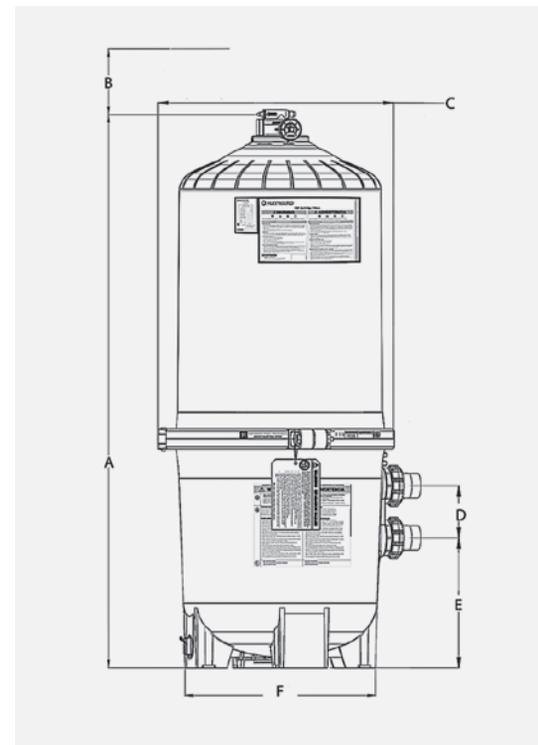
GPM	HLF
0	-0.5
25	1.58
50	2.81
75	4.86
100	7.29
125	10.66
138	11.64



## Dimensions

A	B**	C	D	E	F
52.5 in.	28 in.	26 in.	5 in.	12.5 in.	18 in.

\*\*B = Vertical Clearance



# Commercial Flow Control

Hayward® Flow Control has manufactured industrial thermoplastic valves and process control products since the inception of the thermoplastic valve industry over 50 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.

## Compact Ball Valves - QVC Series (Gray and White)

- Pressure Rating 150 psi
- EPDM Seals
- Santoprene® Seats



Part Number	Size/Description	Carton Quantity	Carton Weight (lbs.)
QVC1005SSEG	.5" Socket Gray	10	2.0
QVC1010SSEG	1" Socket Gray	10	5.0
QVC1015SSEG	1.5" Socket Gray	5	5.5
QVC1020SSEG	2" Socket Gray	5	7.5
QVC1025SSEG	2.5" Socket Gray	1	2.8
QVC1030SSEG	3" Socket Gray	1	5.2
QVC1040SSEG	4" Socket Gray	1	7.3
QVC1005SSEW	.5" Socket White	10	2.0
QVC1010SSEW	1" Socket White	10	5.0
QVC1015SSEW	1.5" Socket White	5	5.5
QVC1020SSEW	2" Socket White	5	7.5
QVC1025SSEW	2.5" Socket White	1	2.8
QVC1030SSEW	3" Socket White	1	5.2
QVC1040SSEW	4" Socket White	1	7.3
QVC1005TSEG	.5" Threaded Gray	10	2.0
QVC1010TSEG	1" Threaded Gray	10	5.0
QVC1015TSEG	1.5" Threaded Gray	5	5.5
QVC1020TSEG	2" Threaded Gray	5	7.5
QVC1025TSEG	2.5" Threaded Gray	1	2.8
QVC1030TSEG	3" Threaded Gray	1	5.2
QVC1040TSEG	4" Threaded Gray	1	7.3
QVC1005TSEW	.5" Threaded White	10	2.0
QVC1010TSEW	1" Threaded White	10	5.0
QVC1015TSEW	1.5" Threaded White	5	5.5
QVC1020TSEW	2" Threaded White	5	7.5
QVC1025TSEW	2.5" Threaded White	1	2.8
QVC1030TSEW	3" Threaded White	1	5.2
QVC1040TSEW	4" Threaded White	1	7.3

## True Union Compact Ball Valves - QTA Series (Gray and White)

- Pressure Rating 150 psi
- EPDM Seals
- Santoprene Seats



Part Number	Size/Description	Carton Quantity	Carton Weight (lbs.)
QTA1010CSEG	1" Socket/Threaded Gray	1	0.9
QTA1015CSEG	1.5" Socket/Threaded Gray	1	2.0
QTA1020CSEG	2" Socket/Threaded Gray	1	3.2
QTA1010CSEW	1" Socket/Threaded White	1	0.9
QTA1015CSEW	1.5" Socket/Threaded White	1	2.1
QTA1020CSEW	2" Socket/Threaded White	1	3.5

## True Union PVC Ball Valves - TBB Series

- Pressure Rating 225 psi
- EPDM Seals
- PTFE Seats
- Double O-Ring Stem Seals



Part Number	Size/Description	Carton Quantity	Carton Weight (lbs.)
TBB1005CPEG	.5" Socket/Threaded	1	0.5
TBB1007CPEG	.75" Socket/Threaded	1	0.8
TBB1010CPEG	1" Socket/Threaded	1	1.2
TBB1012CPEG	1.25" Socket/Threaded	1	1.9
TBB1015CPEG	1.5" Socket/Threaded	1	2.8
TBB1020CPEG	2" Socket/Threaded	1	4.9

Santoprene is a registered trademark of Advanced Elastomer Systems.

### True Union PVC Ball Valves - TB Series

- Pressure Rating  
250 psi: 1/2" – 2"  
235 psi: 2-1/2" – 4"  
150 psi: 6"
- EPDM or FPM Seals
- Reversible PTFE Seats
- Double O-Ring Stem Seals
- Easily Automated
- Full Port Design Through 4"
- NSF/ANSI Standard 61 Certified (1/2" – 4")



Part Number	Size/Description	Carton Quantity	Carton Weight (lbs.)
TB1050STE	.5" Socket/Threaded	1	0.8
TB1050ST	.5" Socket/Threaded	1	0.8
TB1075STE	.75" Socket/Threaded	1	1.1
TB1075ST	.75" Socket/Threaded	1	1.1
TB1100STE	1" Socket/Threaded	1	1.5
TB1100ST	1" Socket/Threaded	1	1.5
TB1125STE	1.25" Socket/Threaded	1	2.9
TB1125ST	1.25" Socket/Threaded	1	2.9
TB1150STE	1.5" Socket/Threaded	1	3.0
TB1150ST	1.5" Socket/Threaded	1	3.0
TB1200STE	2" Socket/Threaded	1	4.3
TB1200ST	2" Socket/Threaded	1	4.3
TB1250TE or TB1250SE	2.5" Socket or Threaded	1	11.0
TB1250T or TB1250S	2.5" Socket or Threaded	1	11.0
TB1300TE or TB1300SE	3" Socket or Threaded	1	11.2
TB1300T or TB1300S	3" Socket or Threaded	1	11.2
TB1400TE or TB1400SE	4" Socket or Threaded	1	19.1
TB1400T or TB1400S	4" Socket or Threaded	1	19.1
TB1600FE (Flanged Only)	6" Flanged	1	33.7
TB1600F (Flanged Only)	6" Flanged	1	33.7

### Actuated Ball Valves - EAU Series

- Pressure Rating 250 psi
- True Union Design
- EPDM or FPM 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	Size/Description	Carton Quantity	Carton Weight (lbs.)
EAUTB105STE	.5" EPDM Socket/Threaded	1	5.4
EAUTB107STE	.75" EPDM Socket/Threaded	1	5.7
EAUTB110STE	1" EPDM Socket/Threaded	1	6.7
EAUTB115STE	1.5" EPDM Socket/Threaded	1	7.9
EAUTB120STE	2" EPDM Socket/Threaded	1	8.2
EAUTB105STV	.5" FPM Socket/Threaded	1	6.2
EAUTB107STV	.75" FPM Socket/Threaded	1	5.7
EAUTB110STV	1" FPM Socket/Threaded	1	6.8
EAUTB115STV	1.5" FPM Socket/Threaded	1	7.3
EAUTB120STV	2" FPM Socket/Threaded	1	9.5

### True Union Three-Way Ball Valves - TW Series

- Pressure Rating 150 psi
- Position Indicator
- EPDM Seals
- PTFE Seats
- Double O-Ring Stem Seals
- Actuator Ready Available (HCTN Series)



(Lateral three-way valves also available)

Part Number	Size/Description	Carton Quantity	Carton Weight (lbs.)
TW1050STE	.5" Socket/Threaded	1	1.2
TW1075STE	.75" Socket/Threaded	1	1.8
TW1100STE	1" Socket/Threaded	1	2.5
TW1125STE	1.25" Socket/Threaded	1	7.4
TW1150STE	1.5" Socket/Threaded	1	6.8
TW1200STE	2" Socket/Threaded	1	7.1
TW1250SE	2.5" Socket	1	17.1
TW1250TE	2.5" Threaded	1	17.3
TW1300SE	3" Socket	1	17.1
TW1300TE	3" Threaded	1	17.3
TW1400SE	4" Socket	1	27.7
TW1400TE	4" Threaded	1	27.9
TW1600FE	6" Flanged	1	51.0

### True Union PVC Ball Check Valves - TC Series

- Pressure Rating  
150 psi: 2-1/2" - 6"  
235 psi: 1/2" - 2"
- EPDM Seals
- For Horizontal or Vertical Installation
- NSF/ANSI Standard 61 Certified (1/2" - 4")



### Full Pattern PVC Wafer Check Valves - WCV Series

- Pressure Rating 150 psi
- One-Piece Disk and Shaft Design
- FPM or 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



### Full Pattern PVC Wafer Check Valves - WCV Series

- Pressure Rating 150 psi
- One-Piece Disk and Shaft Design
- FPM or 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	Size/Description	Carton Qty	Carton Weight (lbs.)
TC10050STE	.5" Socket/Threaded	1	0.7
TC10075STE	.75" Socket/Threaded	1	0.9
TC10100STE	1" Socket/Threaded	1	1.3
TC10125STE	1.25" Socket/Threaded	1	2.5
TC10150STE	1.5" Socket/Threaded	1	2.7
TC10200STE	2" Socket/Threaded	1	4.1
TC1250TE or TC1250SE	2.5" Socket or Threaded	1	9.8
TC1300TE or TC1300SE	3" Socket or Threaded	1	10.1
TC1400TE or TC1400SE	4" Socket or Threaded	1	17.5
TC1600FE (Flanged Only)	6" Flanged	1	33.0

Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
WCV1200E	2" EPDM Wafer Check	1	1.3
WCV1250E	2.5" EPDM Wafer Check	1	1.9
WCV1300E	3" EPDM Wafer Check	1	2.2
WCV1400E	4" EPDM Wafer Check	1	4.4
WCV1600E	6" EPDM Wafer Check	1	6.0
WCV1800E	8" EPDM Wafer Check	1	14.0
WCV1200V	2" FPM Wafer Check	1	1.3
WCV1250V	2.5" FPM Wafer Check	1	1.9
WCV1300V	3" FPM Wafer Check	1	2.2
WCV1400V	4" FPM Wafer Check	1	4.6
WCV1600V	6" FPM Wafer Check	1	6.8
WCV1800V	8" FPM Wafer Check	1	14.7

Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
WCV1200ES	2" EPDM Wafer Check w/Spring	1	1.2
WCV1250ES	2.5" EPDM Wafer Check w/Spring	1	1.9
WCV1300ES	3" EPDM Wafer Check w/Spring	1	2.2
WCV1400ES	4" EPDM Wafer Check w/Spring	1	4.4
WCV1600ES	6" EPDM Wafer Check w/Spring	1	6.2
WCV1800ES	8" EPDM Wafer Check w/Spring	1	14.4
WCV1200VS	2" FPM Wafer Check w/Spring	1	1.3
WCV1250VS	2.5" FPM Wafer Check w/Spring	1	1.9
WCV1300VS	3" FPM Wafer Check w/Spring	1	2.2
WCV1400VS	4" FPM Wafer Check w/Spring	1	4.5
WCV1600VS	6" FPM Wafer Check w/Spring	1	6.1
WCV1800VS	8" FPM Wafer Check w/Spring	1	14.5

**Butterfly Valves  
(Lever Operated) -  
Pure-Blu™ BYCN Series**

- Pressure Rating 150 psi
- PVC Body and Disc
- EPDM Liner
- 316 SS Stem
- 9-Position Throttle Plate
- NSF/ANSI Standard 61 Certified



**Butterfly Valve (Gear Operated) -  
Pure-Blu™ BYCN Series**

- 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



**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



**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



Part Number	Size / Description	Carton Qty	Carton Weight (lbs.)
BYCN1020E1LGB	2" Lever	1	5.0
BYCN1025E1LGB	2.5" Lever	1	5.0
BYCN1030E1LGB	3" Lever	1	6.1
BYCN1040E1LGB	4" Lever	1	8.3
BYCN1050E1LGB	5" Lever	1	12.0
BYCN1060E1LGB	6" Lever	1	15.0
BYCN1080E1LGB	8" Lever	1	20.0

Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
BYCN1020E1GGB	2" Gear	1	11.0
BYCN1025E1GGB	2.5" Gear	1	11.0
BYCN1030E1GGB	3" Gear	1	16.6
BYCN1040E1GGB	4" Gear	1	19.0
BYCN1050E1GGB	5" Gear	1	21.0
BYCN1060E1GGB	6" Gear	1	23.2
BYCN1080E1GGB	8" Gear	1	30.0

Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
BYV11020A0E000	2" Lever	1	6.0
BYV11025A0E000	2.5" Lever	1	6.5
BYV11030A0E000	3" Lever	1	7.0
BYV11040A0E000	4" Lever	1	10.0
BYV11060A0E000	6" Lever	1	16.0
BYV11080A0E000	8" Lever	1	22.0

Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
BYV11020A0EG000	2" Lever	1	12.0
BYV11025A0EG000	2.5" Gear	1	12.5
BYV11030A0EG000	3" Gear	1	17.0
BYV11040A0EG000	4" Gear	1	19.0
BYV11060A0EG000	6" Gear	1	25.0
BYV11080A0EG000	8" Gear	1	32.0
BYV11100A0EG000	10" Gear	1	39.0
BYV11120A0EG000	12" Gear	1	45.0

### PVC Simplex Basket Strainer - SB Series

- Pressure Rating 150 psi
- PVC Body and Basket
- EPDM or FPM Seals
- Multiple Basket Material Options
- Ergonomic Hand-Removable Cover
- True Union Connections
- Each Strainer Includes a Standard Basket
- 1/2" – 1" Standard 1/32" Perforation
- 1-1/2" – 8" Standard 1/8" Perforation
- NSF/ANSI Standard 61 Certified



Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
SB1100STE132	1" Socket/Threaded EPDM	1	7.0
SB1100ST132	1" Socket/Threaded FPM	1	7.0
SB1150STE18	1.5" Socket/Threaded EPDM	1	17.0
SB1150ST18	1.5" Socket/Threaded FPM	1	17.0
SB1200STE18	2" Socket/Threaded EPDM	1	17.0
SB1200ST18	2" Socket/Threaded FPM	1	17.0
SB1250SE18	2.5" Socket EPDM	1	31.0
SB1250S18	2.5" Socket FPM	1	31.0
SB1250TE18	2.5" Threaded EPDM	1	31.0
SB1250T18	2.5" Threaded FPM	1	31.0
SB1300SE18	3" Socket EPDM	1	24.0
SB1300S18	3" Socket FPM	1	24.0
SB1300TE18	3" Threaded EPDM	1	24.0
SB1300T18	3" Threaded FPM	1	24.0
SB1400SE18	4" Socket EPDM	1	24.0
SB1400S18	4" Socket FPM	1	24.0
SB1400TE18	4" Threaded EPDM	1	24.0
SB1400T18	4" Threaded FPM	1	24.0
SB1600FTE18	6" Flanged Only EPDM	1	122.0
SB1600FT18	6" Flanged Only FPM	1	122.0
SB1800FTE18	8" Flanged Only EPDM	1	143.0
SB1800FT18	8" Flanged Only FPM	1	143.0

### 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
- 1/2" Conduit or SJ Type Cord Electrical Connection
- 110 VAC Is Standard
- Normally Closed Design



Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
SV20025STV	.25" CPVC Socket/Threaded FPM	1	3.0
SV20025STE	.25" CPVC Socket/Threaded EPDM	1	3.0
SV10050STV	.5" PVC Socket/Threaded FPM	1	3.3
SV10050STE	.5" PVC Socket/Threaded EPDM	1	3.3
SC20050STV	.5" CPVC Socket/Threaded FPM	1	3.3
SV20050STE	.5" CPVC Socket/Threaded EPDM	1	3.3
SV10075STV	.75" PVC Socket/Threaded FPM	1	3.5
SV10075STE	.75" PVC Socket/Threaded EPDM	1	3.5
SV20075STV	.75" CPVC Socket/Threaded FPM	1	3.7
SV20075STE	.75" CPVC Socket/Threaded EPDM	1	3.7
SV10100STV	1" PVC Socket/Threaded FPM	1	3.6
SV10100STE	1" PVC Socket/Threaded EPDM	1	3.6
SV20100STV	1" CPVC Socket/Threaded FPM	1	3.6
SV20100STE	1" CPVC Socket/Threaded EPDM	1	3.8

**NOTE:** Flanged connections are available. Please call for part number and pricing information.

- All Hayward® Flow Control products have a 2-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 9001:2008 standards.



Backed by Hayward Flow Control's Exclusive Two-Year Warranty

# Commercial White Goods

Complementing our extensive Residential line of white goods, Hayward® offers a wide variety of Commercial white goods products that provide premium features and years of long-lasting performance. Our SkimMaster® and Auto-Skim™ series skimmers offer multiple configurations for plumbing and have an extra-large capacity collection basket for debris removal.

Hayward provides suction outlets with some of the industry's highest approved flow rates for use in new commercial pool and spa construction or retrofit into existing Hayward frames. All of our suction outlets are VGB compliant and tested to ANSI/APSP-16 standards in addition to meeting CPSC requirements.

## VGB Act-Compliant High-Flow and Low-Velocity Drain Covers

High-Flow and Low-Velocity suction outlets provide multiple options for accommodating various design flow rates as well as ANSI/APSP-16 standards. Models are available in 9" x 9", 12" x 12" and 18" x 18" to satisfy installation requirements for commercial pools and spas. Each suction outlet cover includes a certificate of compliance and is embossed with the VGB logo and 7 year life.



	Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
Low-Velocity	WG1031LV2PAK2	Cover, Inner Frame and Outer Frame 9" x 9"	4	18.0
	WG1032LV2PAK2	Cover, Inner Frame and Outer Frame 12" x 12"	4	30.0
	WG1033LV2PAK2	Cover, Inner Frame and Outer Frame 18" x 18"	2	31.0
	WG1061LV2PAK2	3" Suction Outlet Sump with Cover 9" x 9"	1	6.0
High-Flow	WG1031HF2PAK2	Cover, Inner Frame and Outer Frame 9" x 9"	4	18.0
	WG1032HF2PAK2	Cover, Inner Frame and Outer Frame 12" x 12"	4	30.0
	WG1033HF2PAK2	Cover, Inner Frame and Outer Frame 18" x 18"	2	31.0
	WG1061HF2PAK2	3" Suction Outlet Sump with Cover 9" x 9"	1	6.0



# Auto-Skim™ Series Skimmers

Our Auto-Skim 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)



	Part Number	Size/Description	Carton Qty	Carton Weight (lbs.)
Auto-Skim Series	SP1082*	Auto-Skim Square Skimmer 2" Fit in Place 5 1/4" Throat	1	10.0
	SP1084**	Auto-Skim Square Skimmer 2" Fit in Place 8 1/2" Throat	1	13.0
	SP1084R**	Auto-Skim Round Skimmer 2" Fit in Place 8 1/2" Throat	1	13.0
Auto-Skim Wide Track Series	SP10852*	Auto-Skim Square Skimmer 1 1/2" Fit in Place 9 1/4" Throat	1	16.0
	WG1082E***	NSF Listed Replacement Cover for SP1080 Series Skimmers	10	15.0
	SP1080FVEKIT	Float Valve and Equalizer Kit for SP1080 Series Skimmers	10	12.0

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. OM designation indicates thru-wall, outside mount for metal wall installations.

\*\*\*This part number must be ordered with any of the part numbers above to ensure it is NSF Certified.

# 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	Description/Size	Carton Qty	Carton Weight (lbs.)
SP10712S*	SkimMaster Round Skimmer 2" Socket with Overflow Port 4 1/2" Throat	1	8.0
SP1070SQ	SkimMaster Square Skimmer 1 1/2" Fit in Place 4 1/2" Throat	1	8.0
SP10712SSQ	SkimMaster Square Skimmer 2" Socket 4 1/2" Throat	1	8.0
WG1070C**	NSF Listed Replacement Cover for SP1070 Series Skimmers	10	15.0
SP1070FVEKIT	Float Valve and Equalizer Kit for SP1070 Series Skimmers	10	12.0

\*Available in Gray, Dark Gray and Black. To order specific colors, add suffix GR for Gray, DGR for Dark Gray and BLK for Black. Also available with tan collar and cover, add suffix 10 to model number. For skimmer packaged with float valve, add suffix FVA to model number.

\*\*This part number must be ordered with any of the part numbers above to ensure it is NSF Certified.

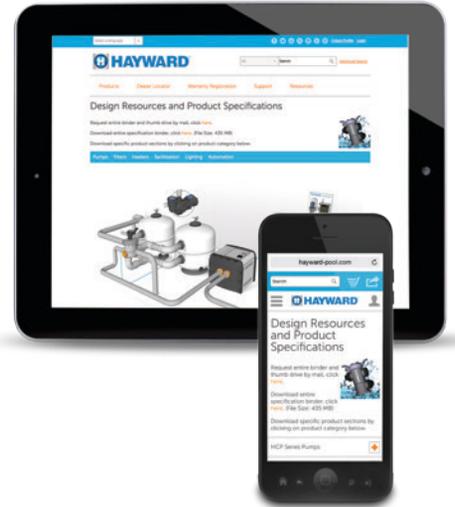
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- Bid Specifications
- Technical Data
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Hayward® Commercial Pool

## REPLACEMENT PARTS

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Commercial Pumps

**367**

Commercial Filters

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Commercial Sanitization

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Commercial Automation

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Commercial Heaters

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Commercial Robotic Cleaners

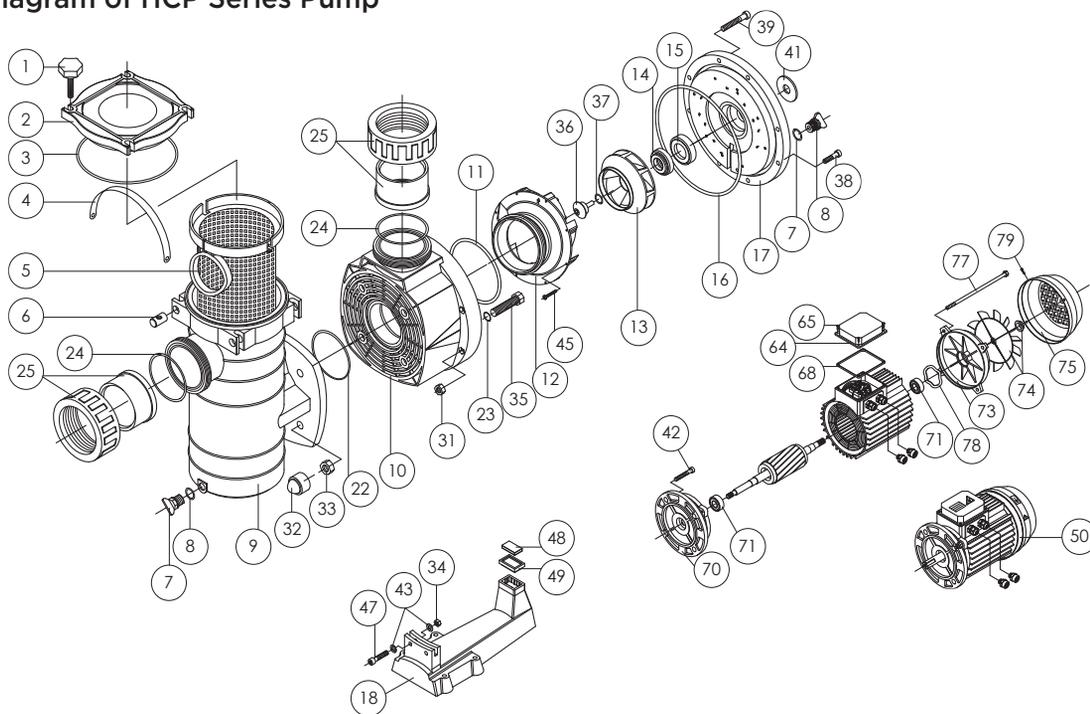
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Commercial Flow Control

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# Commercial Pumps

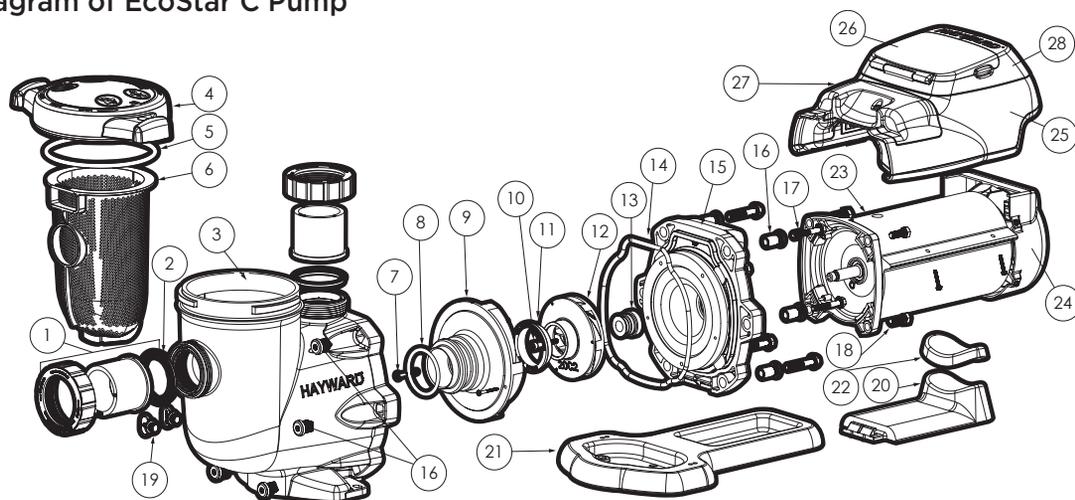
Exploded Diagram of HCP Series Pump



Part Number	Size / Description	List Price	GTIN	Components	Drawing Number	Carton Qty
<b>HCP Series</b>						
HCXP6000A	Lid Bolt Set	\$96.18	0610377136143	Cover Screw Pin	1 6	1
HCXP6001A	Pump Lid	\$286.71	0610377136150	Pump Lid Pump Lid O-ring	2 3	1
HCXP6002A	Filter Basket	\$339.94	0610377136167	Filter Basket Handle	5 4	1
HCXP6004A	Seal Set	\$121.69	0610377136181	Diffuser Gasket Seal - spring Seal - ceramic Flange O-ring Impeller O-ring	11 14 15 16 37	1
HCXP6005A	Diffuser (HCP55/HCP75)	\$270.11	0610377136198	Diffuser 501/751 Screw DIN 7985 M3-45	12 45	1
HCXP6006A	Diffuser (HCP100/HCP125)	\$270.11	0610377136204	Diffuser 1001/1251 Screw DIN 7985 M3-45	12 45	1
HCXP6007A	Impeller HCP55	\$486.20	0610377136211	Impeller 501 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6008A	Impeller HCP75	\$486.20	0610377136228	Impeller 751 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6009A	Impeller HCP100	\$486.20	0610377136235	Impeller 1001 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6010A	Impeller HCP125	\$486.20	0610377136242	Impeller 1251 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6011A	Pump Casing	\$740.56	0610377136259	Pump Casing O-ring Screw Pump Casing 16 x 3 O-ring Pump Casing 124 x 4	17 23 22	1
HCXP6012A	Pump Support	\$89.43	0610377136266	Pump Support Rubber Pad Supplement	18 48 49	1

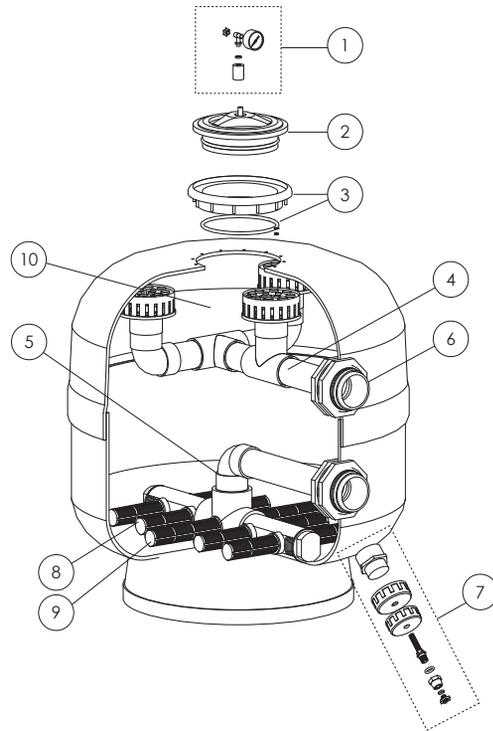
Part Number	Size / Description	List Price	GTIN	Components	Drawing Number	Carton Qty
<b>HCP Series, continued</b>						
HCXP6013A	Drain Plug Set	\$15.81	0610377136273	Drain Drain O-ring	7 8	1
HCXP6014A	Pump Lid O-ring	\$17.33	0610377136280	Pump Lid O-ring	3	1
HCXP6015A	Diffuser O-ring	\$49.44	0610377136297	Diffuser Gasket	11	1
HCXP6016A	Flange O-ring	\$30.43	0610377136303	Pump Casing O-ring	16	1
HCXP6017A	Seal Plate	\$309.68	0610377136310	Plastic Flange	17	1
HCXP6018A	Seal Plate Screw Set	\$65.47	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)	\$302.54	0610377136334	O-ring Tail Piece & Nut	24 25	1
HCXP6020A	Motor Mounting Screws (Qty of 4)	\$37.82	0610377136341	Screw DIN 933 M10 x 25	42	1
HCXP6021A	Pump Casing Bolts (Qty of 4)	\$76.87	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	\$1,166.93	0610377136365	Filter Basket Body O-ring Pump Casing 124 x 4	9 22	1
HCXP6023A	Pump Support Bolt Set	\$37.82	0610377136372	Screw DIN 912 M8 x 40 Washer DIN 125 M8 Nut DIN 934 M8	47 43 34	1
HCXP6024A	Kit Adaptor PG21 - 3/4" (Qty of 2)	\$121.34	0610377136389	PG21 by 3/4" NPT Adaptor	—	1
HCXP6025A	Strain Body O-ring	\$19.82	0610377209793	O-ring Pump Casing 124 x 4	22	1
HCXP55MOTOR	HCP55 Motor	\$3,059.77	0610377136396	Motor 60Hz HCP 55	50	1
HCXP75MOTOR	HCP75 Motor	\$4,109.23	0610377136402	Motor 60Hz HCP 75	50	1
HCXP100MOTOR	HCP100 Motor	\$4,218.09	0610377136419	Motor 60Hz HCP 100	50	1
HCXP125MOTOR	HCP125 Motor	\$4,759.96	0610377136426	Motor 60Hz HCP 125	50	1
HCXP6050A	Bearings Set - HCP55	\$265.98	0610377136433	Bearing HCP 55	71	1
HCXP6051A	Bearings Set - HCP75/100/125	\$376.31	0610377136440	Bearing HCP 75/100/125	71	1
HCXP6055A	Motor Cover - HCP55	\$262.63	0610377136457	For HCP 55 - 60Hz	73	1
HCXP6056A	Motor Cover - HCP75/100/125	\$335.41	0610377136464	For HCP 75/100/125 - 60Hz	73	1
HCXP6060A	Fan - HCP55	\$92.39	0610377136471	Fan for HCP 55 - 60Hz Clamp	74	1
HCXP6061A	Fan - HCP75/100/125	\$155.44	0610377136488	Fan for HCP 75/100/125 - 60Hz Clamp	74	1
HCXP6065A	Fan Cover - HCP55	\$100.71	0610377136495	Fan Cover for HCP 55 - 60Hz Fan Cover Screw	75 79	1
HCXP6066A	Fan Cover - HCP75/100/125	\$140.30	0610377136501	Fan Cover for HCP 75/100/125 - 60Hz Fan Cover Screw	75 79	1
HCXP6070A	Motor Flange - HCP55	\$413.07	0610377136518	Motor Flange HCP 55	70	1
HCXP6071A	Motor Flange - HCP75/100/125	\$636.65	0610377136525	Motor Flange HCP 75/100/125	70	1
HCXP6075A	Electrical Connection Lid	\$141.16	0610377136532	Connection Box Lid Lid Screw Motor Connection Box Gasket	64 65 68	1
HCXP6052A	Washer Set - HCP55	\$37.82	0610377136549	Compensation Washer Set 6207	78	1
HCXP6053A	Washer Set - HCP75/100/125	\$37.82	0610377136556	Compensation Washer Set 6208	78	1
HCXP6077A	Motor Tie Rods - HCP55 (Qty of 4)	\$50.28	0610377136563	Motor Screws HCP 55 Motor 60Hz	77	1
HCXP6078A	Motor Tie Rods - HCP75/100 (Qty of 4)	\$52.87	0610377136570	Motor Screws HCP 75/100 Motor 60Hz	77	1
HCXP6079A	Motor Tie Rods - HCP125 (Qty of 4)	\$62.25	0610377136587	Motor Screws HCP 125 Motor 60Hz	77	1

Exploded Diagram of EcoStar C Pump



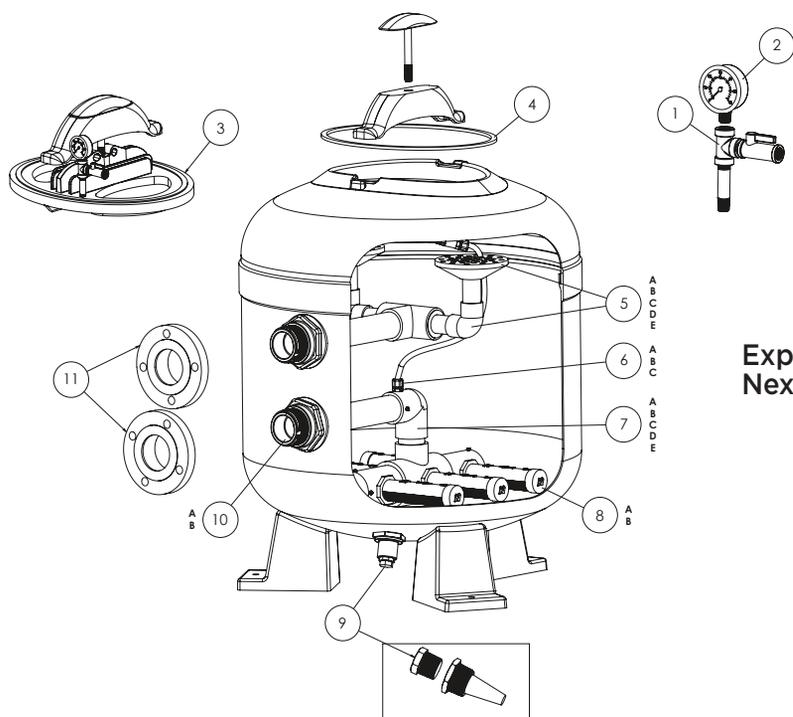
Part Number	Size / Description	List Price	GTIN	Drawing Number	Carton Qty
<b>EcoStar® C</b>					
SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket) (Qty of 2)	\$42.47	0610377912068	1	1
SPX3200UG	Union Gasket, 50D EPDM (Qty of 2)	\$11.08	0610377912075	2	1
SPX3200A	Pump Strainer Housing, 2" x 2-1/2" w/Drain Plugs, Threaded Style	\$270.75	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-ring)	\$72.24	0610377911948	4	10
SPX3200DLSB	Strainer Cover Kit (Biguanide Sanitizer Applications Only: Not Pressure Testable)	\$72.24	0610377059619	—	10
SPX3200S	Strainer Cover O-ring	\$12.36	0610377911993	5	10
SPX3200M	Strainer Basket	\$16.65	0610377911979	6	15
SPX3200Z8	Diffuser Screw	\$9.73	0610377912051	7	1
SPX4000Z1	Diffuser O-ring	\$11.08	0610377563666	8	10
SPX3200B3	Diffuser	\$35.80	0610377911924	9	1
SPX3200Z1	Impeller Screw	\$6.06	0610377912013	10	1
SPX3021R	Impeller Ring	\$5.17	0610377041393	11	1
SPX3220C	Impeller for 2 HP w/Impeller Screw	\$46.00	0610377912129	12	10
SPX3200SA	Shaft Seal Assembly	\$22.90	0610377013123	13	10
SPX3200T	Housing O-ring	\$9.58	0610377912006	14	10
SPX3200E	Seal Plate	\$46.73	0610377911955	15	1
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	\$21.20	0610377912020	16	1
SPX3200Z3	Housing Bolt	\$3.99	0610377912037	17	10
SPX3200Z5	Motor Bolt	\$7.53	0610377912044	18	1
SPX4000FG	Drain Plug w/O-ring	\$3.87	0610377551908	19	10
SPX3200GA	Bracket, Motor Support	\$36.27	0610377911962	20	1
SPX3200WF	Riser Base, Pentair® WhisperFlo®	\$34.96	0610377032605	21	1
SPX3200SR	Riser Base, Sta-Rite® Max-E-Pro™ Max-E-Glas® Dura-Glas® and Dura-Glas II®	\$34.30	0610377032674	21	1
SPX3200Q	Adapter-Motor Support	\$8.99	0610377134408	22	10
SPX3400Z1ECM	Motor Assembly	\$678.24	0610377134453	23	1
SPX3400FAN	Motor Fan Shroud	\$27.31	0610377134507	24	5
HCXP3400DR	Motor Drive	\$1,573.53	0610377141048	25	1
HCXP3400DRVR	Motor Drive, SVRS	\$1,853.30	0610377141055	25	1
SPX3400DR4	Motor Drive Display Cover, Black	\$36.39	0610377134415	26	5
HCXP3400DR4C	Motor Drive Display Cover, Clear	\$40.06	0610377141062	26	5
SPX3400DR2	Motor Drive Wiring Cover	\$76.77	0610377134422	27	5
HCXP3400LCD	Digital Control Interface Assembly	\$481.16	0610377141079	28	1
SPX3400DRKIT	Wall Mount Kit	\$103.17	0610377135474	—	5

# Commercial Sand Filters



Exploded Diagram of  
HCF Series Sand Filter

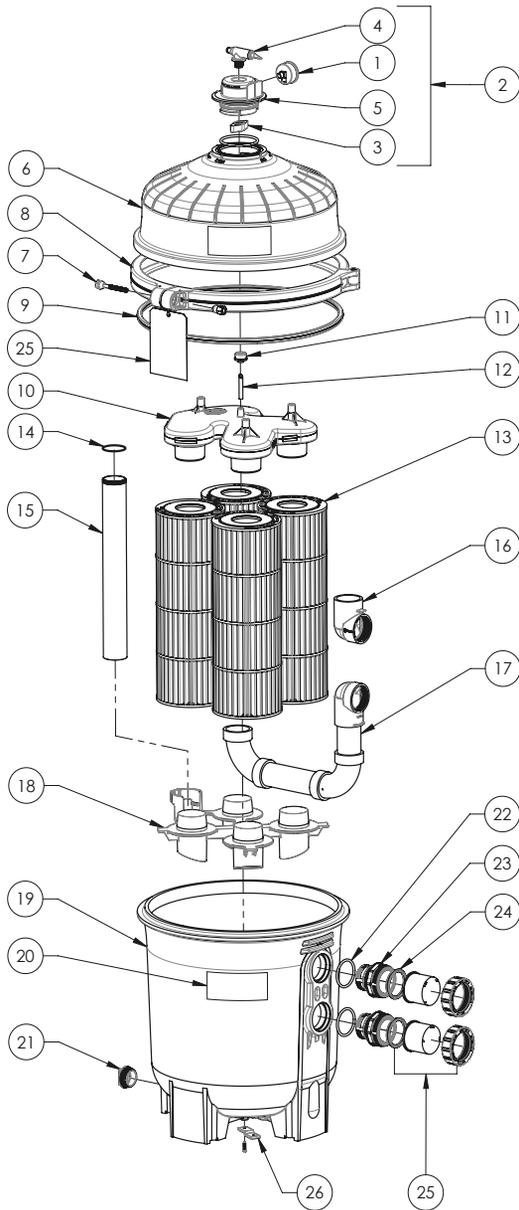
Part Number	Size / Description	List Price	GTIN	Drawing Number	Carton Qty
<b>HCF Series Sand Filter</b>					
HCXF2780001	Gauge Assembly	\$59.02	0610377132190	1	1
HCXF2780002	Filter Lid	\$260.78	0610377132206	2	1
HCXF2780003	Neck Assembly w/Hardware	\$159.34	0610377132213	3	1
HCXF2780004	Drain Assembly	\$106.84	0610377132220	7	1
HCXF2780243	Diffuser Assembly, HCF302, Single	\$168.67	0610377132237	4	1
HCXF2780244	Lateral Manifold, 30," HCF302	\$202.40	0610377132244	5	1
HCXF1645143	Diffuser Assembly, HCF363, Triple	\$517.25	0610377132251	4	1
HCXF1645144	Lateral Manifold, 36," HCF363	\$236.13	0610377132268	8, 9	1
HCXF27802LAT	Lateral Kit, 30," HCF302	\$71.97	0610377132275	8, 9	1
HCXF27857LAT	Lateral Kit, 36," HCF362	\$81.53	0610377132282	8, 9	1
HCXF16451LAT	Lateral Kit, 36," HCF363	\$81.53	0610377132299	8, 9	1
HCXF2785743	Diffuser Assembly, HCF362, Triple	\$493.69	0610377132305	4	1
HCXF2785744	Lateral Manifold, 36," HCF362	\$219.29	0610377132312	5	1



Exploded Diagram of HCF Series Next Generation Filter

Part Number	Size / Description	List Price	GTIN	Drawing Number	Carton Qty
<b>HCF Series Next Generation Sand Filter</b>					
HCXFARV1000	External Air Relief Valve Assembly	\$49.10	0610377234689	1	1
HCXFPGBI000	Pressure Gauge - 1/4" BTM MT	\$19.62	0610377227353	2	1
HCXFMWC1000	Manway Cover Assembly (does not include air relief & gauge)	\$517.13	0610377242868	3	1
HCXFMCG1000	Manway Cover Gasket	\$37.67	0610377235105	4	1
HCXFDMA1000	Distribution Manifold Assembly (HCF302T)	\$432.65	0610377242776	5a	1
HCXFDMA1001	Distribution Manifold Assembly (HCF342T)	\$531.19	0610377242783	5b	1
HCXFDMA1002	Distribution Manifold Assembly (HCF343T, HCF343F)	\$596.34	0610377242837	5c	1
HCXFDMA1003	Distribution Manifold Assembly (HCF362T)	\$531.63	0610377242844	5d	1
HCXFDMA1004	Distribution Manifold Assembly (HCF363T, HCF363F)	\$640.98	0610377242851	5e	1
HCXFARA1000	Internal Air Relief Assembly (HCF302T)	\$96.50	0610377242561	6a	1
HCXFARA1001	Internal Air Relief Assembly (HCF342T, HCF343T, HCF343F)	\$98.61	0610377242592	6b	1
HCXFARA1002	Internal Air Relief Assembly (HCF362T, HCF363T, HCF363F)	\$98.61	0610377242608	6c	1
HCXFCMA1000	Collector Manifold Assembly (HCF302T)	\$429.94	0610377242707	7a	1
HCXFCMA1001	Collector Manifold Assembly (HCF342T)	\$439.72	0610377242714	7b	1
HCXFCMA1002	Collector Manifold Assembly (HCF343T, HCF343F)	\$465.13	0610377242738	7c	1
HCXFCMA1003	Collector Manifold Assembly (HCF362T)	\$435.95	0610377242745	7d	1
HCXFCMA1004	Collector Manifold Assembly (HCF363T, HCF363F)	\$498.05	0610377242752	7e	1
HCXFCLK1000	Lateral Kit (HCF302T)	\$193.86	0610377242677	8a	1
HCXFCLK1001	Lateral Kit (HCF342T, HCF343T, HCF343F, HCF362T, HCF363T, HCF363F)	\$245.00	0610377242684	8b	1
HCXFDFA1000	Drain Fitting Assembly	\$145.82	0610377242769	9	1
HCXFBFA1000	Bulkhead Fitting Assembly (HCF302T, HCF342T, HCF362T)	\$60.01	0610377227322	10a	2
HCXFBFA1001	Bulkhead Fitting Assembly (HCF343T, HCF343F, HCF363T, HCF363F)	\$125.31	0610377227315	10b	2
HCXFFFK1000	Filter Flange Kit 3" (HCF343F, HCF363F)	\$147.69	0610377227346	11	2

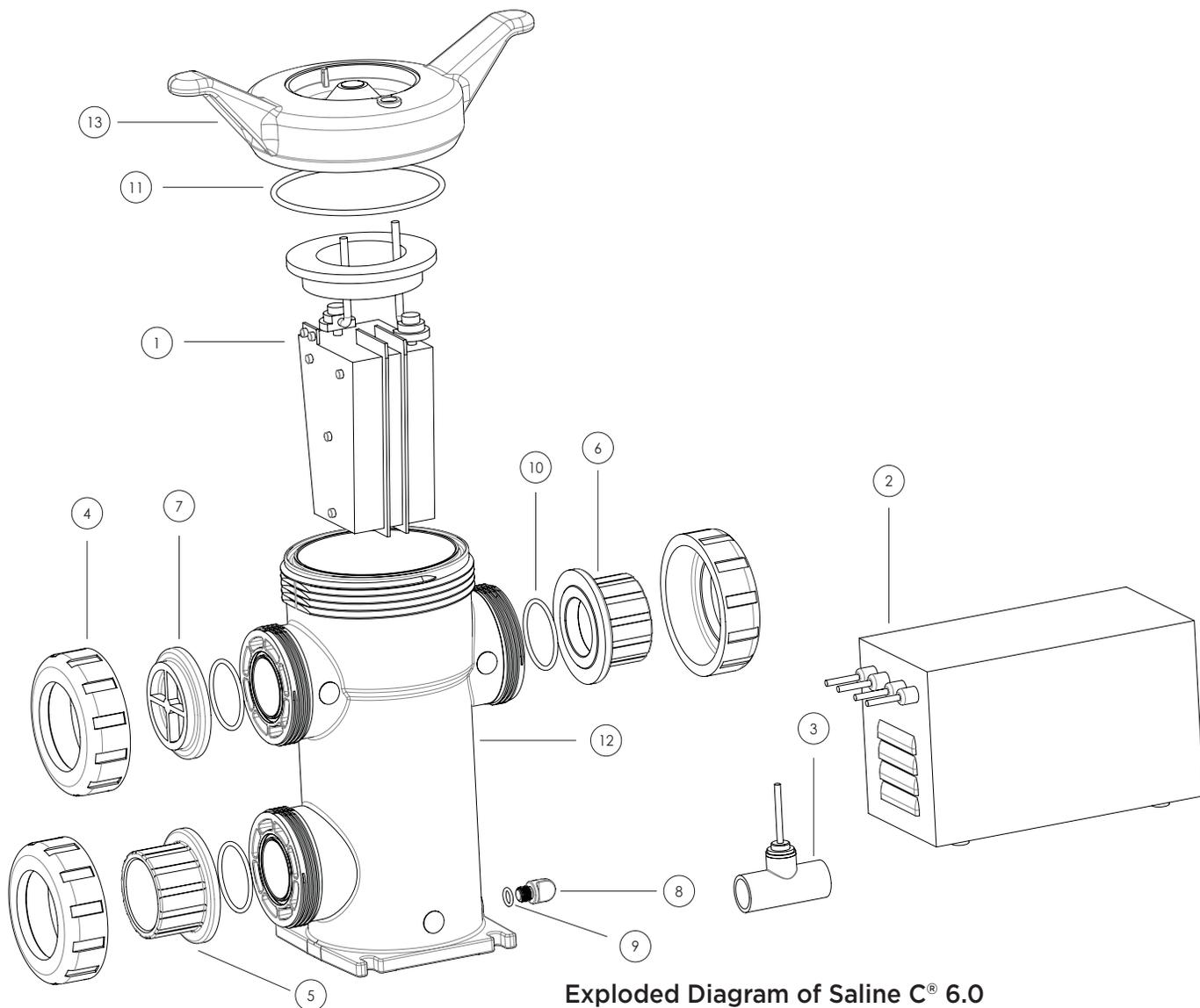
# Commercial Cartridge Filters



**Exploded Diagram of  
HCF Series Cartridge Filter**

Part Number	Size / Description	List Price	GTIN	Drawing Number	Carton Qty
<b>HCF Series Cartridge Filter</b>					
ECX2712B1	Pressure Gauge	\$20.09	0610377809702	1	10
DEX2420Z8A	O-ring Kit (Set of 2)	\$25.24	0610377619578	2	10
CCX1000N	Air Relief Valve Nut	\$3.32	0610377845663	3	10
CCX1000V	Manual Air Relief w/O-ring	\$10.29	0610377845649	4	1
DEX2420MAR2	Manual Air Relief Assembly	\$131.41	0610377011105	5	1
DEX7220B3C	Upper Filter Body HCF7030C	\$707.39	0610377121439	6	1
DEX2421J2	Clamp Bolt & Nut	\$30.29	0610377105989	7	10
DEX2421JKIT	Clamp System (Includes Clamp, Clamp Nut & Bolt, Hang Tag, Metal Reinforced Seal and Labels)	\$356.66	0610377105972	8	1
DEX2422Z2	Metal Reinforced Seal	\$59.07	0610377105996	9	1
CX5030C	Top Manifold HCF7030C	\$78.08	0610377139571	10	1
CX3000J1	Air Relief Filter	\$13.12	0610377129206	11	1
CX2030Z3	Air Relief Tube	\$10.49	0610377139588	12	1
CX591XRE	Cartridge Element (8 Required)	\$76.01	0610377138543	13	1
CX591XREPAK4	Cartridge Elements (4 Pack)	\$288.85	0610377188166	—	1
CX7020M	Mid Plate Connector HCF7030C	\$57.13	0610377770699	—	1
DEX2400Z5	O-ring	\$4.97	0610377021135	14	1
CX3031F10	Outlet Pipe HCF7030C	\$44.20	0610377210065	15	1
CX3030F	Inlet Elbow	\$9.50	0610377210225	16	5
CX3030H	Assy, Swimclear Piping	\$89.23	0610377210232	17	1
CX3030D	Bottom Seal Plate	\$48.90	0610377139649	18	1
DEX2420A3C	Lower Filter Body	\$664.97	0610377121422	19	1
DEX2420LA6PAK	Label Pack (Includes All Warning & Operation Labels, Hang Tag, Wire Tie, Owner's Manual)	\$26.45	0610377106009	20	1
SP1022CBLK	1-1/2" Drain Plug w/O-ring (Black)	\$1.45	0610377762106	21	100
SX220Z2	O-ring	\$8.84	0610377055048	22	1
CX3035F	Bulkhead Fitting	\$27.36	0610377139656	23	1
SPX3200UG	Union Gasket (T-Seal)	\$11.08	0610377912075	24	1
SPX3200UNKIT	Union Connection Kit (Includes Nut, Connector, Gasket)	\$42.47	0610377912068	25	1
DEX2420DCKIT	Strap Kit (Optional)	\$42.03	0610377618496	26	1

# Commercial Sanitization



**Exploded Diagram of Saline C® 6.0  
Commercial Salt Chlorine Generator**

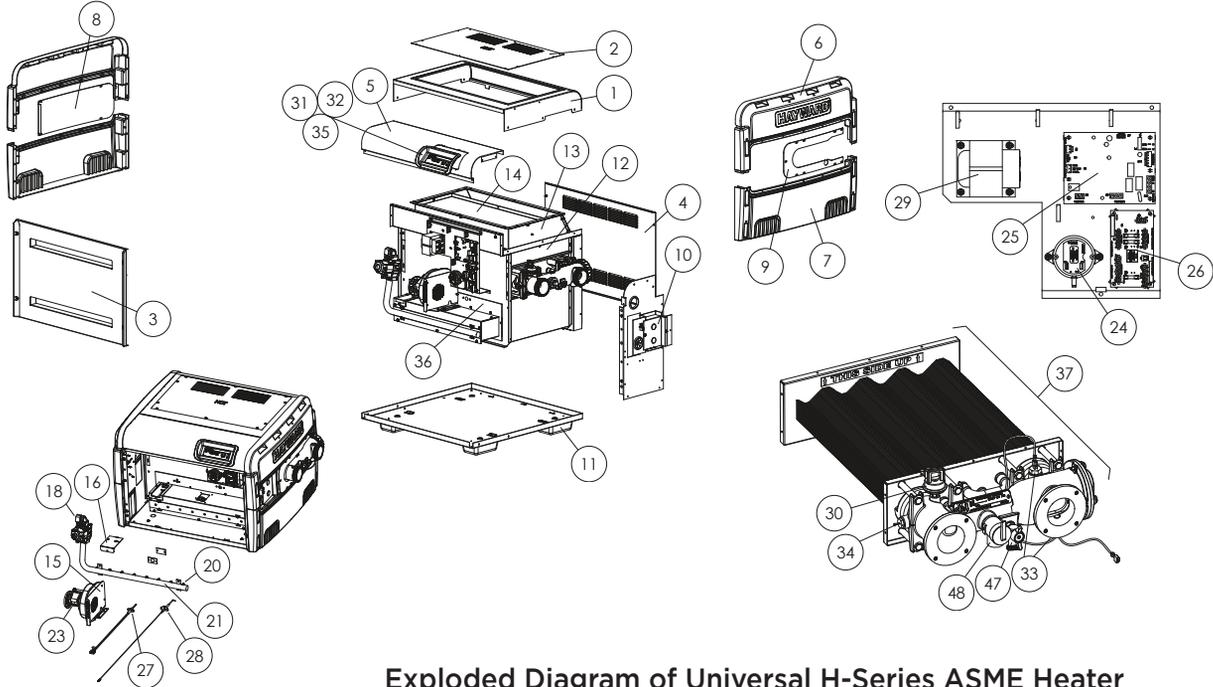
Part Number	Size / Description	List Price	GTIN	Drawing Number	Carton Qty
HCXSCCELL6	Replacement Cell & Cover	\$3,142.51	0610377218368	1	1
HCXSPS6	Power Supply	\$5,279.41	0610377218399	2	1
HCXSFLOS6	Flow Sensor	\$377.10	0610377218405	3	1
HCXCCCC	Replacement Cell Cables, Connector & Gray Cap	\$189.28	0610377269247	—	1
BSXC201CK	2" Clear Body	\$422.75	0610377225991	12	1
TBX122	2" PVC True Union Ball Valve Assembly Nut	\$26.22	0610377776097	4	3
ECX12S	2" PVC Pipe Connector Socket	\$38.76	0610377191463	6	2
ECX12T	2" PVC Pipe Connector Threaded	\$32.80	0610377191470	5	2
BSXICAP2	2" PVC Port Cap	\$35.09	0610377122108	7	1
BSXIPLUG2	1" PVC Plug	\$36.81	0610377122108	8	1
ORX352V70	Piston Lid O-ring	\$57.00	0610377018388	13	1
SB2KIT	O-ring #111 Viton 70 Duro - OR111V70	\$32.38	0610377872706	9	3
	O-ring #227 Viton 70 Duro - OR227V70			10	
	O-ring #357 Viton 70 Duro - OR357V70			11	

# Commercial Automation

Part Number	Size / Description	List Price	GTIN	Carton Qty
CAX-20100	5 Amp Fuse	\$37.94	0761418012510	1
CAX-20101	1 Amp Fuse	\$37.70	0761418012527	1
CAX-20102	4 Amp Fuse	\$38.14	0761418012534	1
CAX-20275	10 Amp Fuse	\$38.56	0761418013135	1
CAX-20104	24 VAC Conversion Kit	\$58.13	0761418012558	1
CAX-20105	110 VAC Pigtail	\$51.14	0761418012565	1
CAX-20106	Enclosure Clear Cover	\$271.74	0761418012572	1
CAX-20109	Thermal Printer w/Serial Interface	\$1,630.34	0761418012602	1
CAX-20110	Thermal Printer Paper Per Roll	\$27.16	0761418012619	1
CAX-20269	Thermal Printer Cable	\$181.15	0761418013074	1
CAX-20150	Replacement Coil For AC015 or AC018	\$249.73	0761418012626	1
CAX-20151	1/8" SS Solenoid Valve	\$271.74	0761418012633	1
CAX-20152	Replacement CO <sub>2</sub> Injector	\$72.47	0761418012640	1
CAX-100DM	Stenner Adjustable Double Head Pump	\$1,589.02	0761418012657	1
CAX-AK4010W	Stenner Lead Tube - White 100' x 1/4"	\$100.51	0761418012688	1
CAX-UCCP201-1	Stenner #1 Pump Tube (Qty of 2)	\$80.59	0761418013340	1
CAX-UCCP201-2	Stenner #2 Pump Tube (Qty of 2)	\$80.59	0761418013357	1
CAX-UCCP201-3	Stenner #3 Pump Tube (Qty of 2)	\$80.59	0761418013364	1
CAX-UCCP201-4	Stenner #4 Pump Tube (Qty of 2)	\$80.59	0761418013371	1
CAX-UCCP201-5	Stenner #5 Pump Tube (Qty of 2)	\$80.59	0761418012695	1
CAX-MCCP201-1	Stenner #1 Pump Tube (Qty of 5)	\$178.20	0761418013388	1
CAX-MCCP201-2	Stenner #2 Pump Tube (Qty of 5)	\$178.20	0761418013395	1
CAX-MCCP201-3	Stenner #3 Pump Tube (Qty of 5)	\$178.20	0761418013401	1
CAX-MCCP201-4	Stenner #4 Pump Tube (Qty of 5)	\$178.20	0761418013418	1
CAX-MCCP201-5	Stenner #5 Pump Tube (Qty of 5)	\$178.20	0761418013425	1
CAX-20200	Pressure Switch Complete w/Cable	\$144.93	0761418012718	1
CAX-20201	Pressure Switch Only	\$72.47	0761418012725	1
CAX-20202	Flow Sensor Cable Only	\$72.47	0761418012732	1
CAX-20203	Rotary Flow Sensor	\$452.87	0761418012749	1
CAX-20204	Clear Lens and O-ring	\$90.59	0761418012756	1
CAX-20205	Blue Rotor and Ceramic Pin	\$90.59	0761418012763	1
CAX-20206	Float Style Flow Switch For Molded Flow Cell	\$90.59	0761418012770	1
CAX-20250	Probe Adaptor For Professional Series Sensors	\$44.47	0761418012787	1
CAX-20251	Flow Cell Kit w/o Rotary Flow Sensor	\$724.58	0761418012794	1
CAX-50251	Flow Cell Kit w/o Rotary Flow Sensor for Cond.	TBD	TBD	1
CAX-20252	3/8" OD Blue Flexible Tubing by the Foot	\$6.50	0761418012800	1
CAX-20271	3/8" OD Black UV Flexible Tubing by the Foot	\$1.18	0761418013432	1
CAX-20253	1/4" NPTM x 3/8" OD Speedfit Connectors	\$10.88	0761418012817	1
CAX-20254	1/4" Asahi Ball Valves	\$72.47	0761418012824	1
CAX-20255	1/4" Check Valve	\$39.69	0761418012831	1
CAX-20256	1/4" In-Line Strainer	\$66.33	0761418012848	1
CAX-20257	Flow Cell Arm Assembly	\$108.69	0761418012855	1
CAX-20258-1	PVC Backboard 10" x 14"	\$181.15	0761418012947	1
CAX-20258-2	PVC Backboard 16" x 16"	\$181.15	0761418012930	1
CAX-20258-3	PVC Backboard 16" x 21"	\$181.15	0761418012954	1
CAX-20258-4	PVC Backboard 24" x 24"	\$181.15	0761418012961	1
CAX-20260	1/4" Parker Straight Valve	\$72.47	0761418012886	1
CAX-20272	Flow Cell, Molded	\$72.47	0761418013449	1
CAX-50272	Flow Cell, Molded for Conductivity Sensor	TBD	TBD	1
CAX-20273	Cover Replacement Cover - CO <sub>2</sub>	\$84.88	0761418013111	1
CAX-20274	Probe Storage Cap	\$42.60	0761418013128	1
CAX-20276	Screen for 1/4" In-Line Strainer	\$9.31	0610377143233	1
CAX-3504	AC035 - PVC Crystal Suction Tube (Soft/Clear) (13' Roll)	\$23.27	0610377205504	1
CAX-3505	AC035 - PVC Crystal Suction Tube (Soft/Clear) (300' Roll)	\$154.61	TBD	1
CAX-3506	AC035 - PP Injection Check Valve (Qty of 3)	\$113.14	0610377186421	1
CAX-3508	AC035 - 3 x 7 Santoprene® Feed Tube 6.14GPD	\$27.65	0610377205528	1
CAX-3509	AC035 - Roller Assembly	\$29.89	0610377205535	1
CAX-3510	AC035 - Foot Filter - Weighted Suction Strainer - Polypropylene - w/Ceramic Weight	\$17.90	0610377233002	1
CAX-3511	ACO35 - Next Gen. 1/4" Injection Check Valve	\$47.77	0610377261692	1
CAX-3512	ACO35 - 3 x 7 Santoprene Feed Tube - 31GPD	\$27.65	0610377261708	1
CAX-3513	ACO35 - Clear Front Cover	\$17.61	0610377258692	1
HXC015	HCC2000 pH Sensor - w/Hayward® Label	\$422.11	0610377142144	1
HXC025	HCC2000 ORP Sensor - w/Hayward Label	\$422.11	0610377142151	1
HXC025AU	HCC2000 ORP Sensor Gold - w/Hayward Label	\$422.11	0610377142168	1

\*Santoprene is a registered trademark of Advanced Elastomer Systems.

# Commercial Heaters



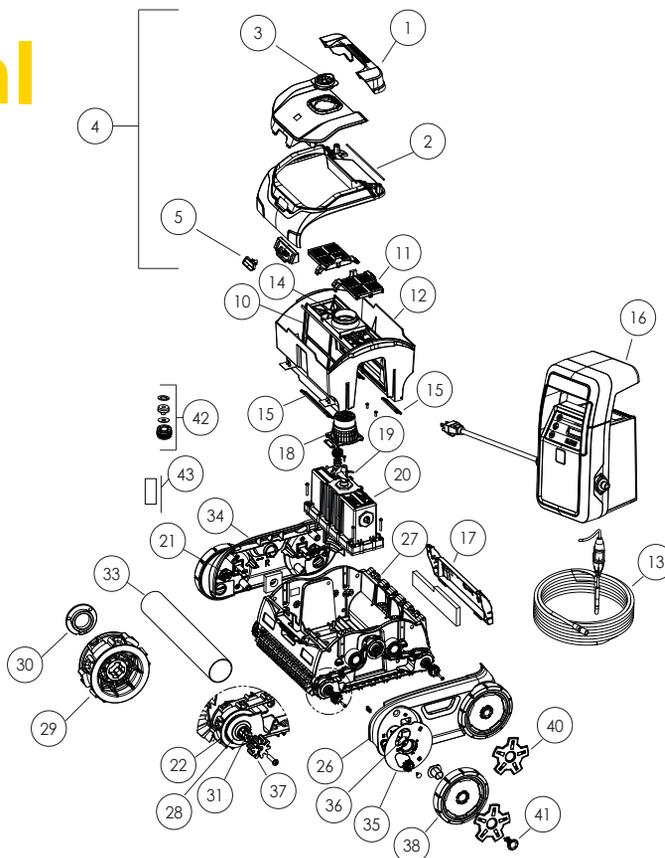
Exploded Diagram of Universal H-Series ASME Heater

Part Number	Size / Description	List Price	GTIN	Drawing Number
FDXLJKT1250A	Jacket Top, Gray, ASME - H250FD	\$170.78	0610377135658	1
FDXLJKT1400A	Jacket Top, Gray, ASME - H400FD	\$194.13	0610377135641	1
FDXLFC1250A	Top Flue Cover, Gray, ASME - H250FD	\$81.65	0610377135672	2
FDXLFC1400A	Top Flue Cover, Gray, ASME - H400FD	\$97.19	0610377135665	2
FDXLFAD1250A*	Front Door Assembly, Gray, ASME - H250FD	\$168.30	0610377135535	3
FDXLFAD1400A*	Front Door Assembly, Gray, ASME - H400FD	\$179.82	0610377135528	3
FDXLRAD1250A	Rear Door Assembly, Gray, ASME - H250FD	\$114.62	0610377135634	4
FDXLRAD1400A	Rear Door Assembly, Gray, ASME - H400FD	\$127.89	0610377135627	4
FDXLTFP1250A	Top Front Panel, Gray, ASME - H250FD	\$81.50	0610377135719	5
FDXLTFP1400A	Top Front Panel, Gray, ASME - H400FD	\$93.47	0610377135702	5
FDXLUCE1930	Upper End Cap	\$82.44	0610377072557	6
FDXLLCE1930	Lower End Cap	\$86.43	0610377072564	7
FDXLLTP1930	Left Trim Panel Kit	\$79.31	0610377072571	8
FDXLRTP1930	Right Trim Panel Kit	\$76.50	0610377072588	9
FDXLLJC1930	Junction Box Cover, Left	\$22.75	0610377131247	10
FDXLRJC1930	Junction Box Cover, Right	\$26.62	0610377131254	10
FDXLPBL1930	Base Leg	\$37.33	0610377072618	11
FDXLFC1930	Flue Collector Side Panel	\$61.31	0610377072625	12
FDXLRGK1251	Rain Guard Assembly - H250FD	\$175.81	0610377132435	13
FDXLRGK1401	Rain Guard Assembly - H400FD	\$175.81	0610377132466	13
FDXLHBP1250	Heat Barrier Panel - H250FD	\$86.85	0610377072663	14
FDXLHBP1400	Heat Barrier Panel - H400FD	\$91.65	0610377072687	14
FDXLBBN1250	Blower Inlet Baffle - H250FD	\$27.55	0610377072694	15
FDXLBBN1400	Blower Inlet Baffle - H400FD	\$27.55	0610377072717	15
FDXLIAC1930	Ignitor Access Cover	\$28.51	0610377072724	16
FDXLGSV0001	Gas Valve, Natural Gas	\$230.52	0610377072748	18
FDXLGSV0002	Gas Valve, Propane Gas	\$230.52	0610377072755	18
FDXLBON1930	Burner Orifice Kit, Natural Gas	\$38.02	0610377072786	20
FDXLBOP1930	Burner Orifice Kit, Propane Gas	\$38.02	0610377072793	20
FDXLMAN1250	Gas Manifold - H250FD	\$69.90	0610377072809	21

Part Number	Size / Description	List Price	GTIN	Drawing Number
FDXLMAN1400	Gas Manifold - H400FD	\$75.86	0610377072823	21
FDXLGCK1250NP	Conversion Kit, NA to LP, Quick-Change - H250FD	\$165.15	0610377137782	21
FDXLGCK1250PN	Conversion Kit, LP to NA, Quick-Change - H250FD	\$165.15	0610377137799	21
FDXLGCK1400NP	Conversion Kit, NA to LP, Quick-Change - H400FD	\$167.58	0610377137720	21
FDXLGCK1400PN	Conversion Kit, LP to NA, Quick-Change - H400FD	\$167.58	0610377137737	21
FDXLBWR1930	Combustion Blower	\$218.73	0610377072847	23
FDXLBVS1930	Blower Vacuum Switch	\$31.25	0610377079907	24
FDXLICB1930	Integrated Control Board	\$306.61	0610377072854	25
FDXLFWP1930	Field Wiring Panel	\$65.96	0610377072861	26
FDXLIGN1930	Ignitor	\$77.86	0610377072878	27
IDXLFLS1930	Flame Sensor	\$57.22	0610377625968	28
IDXL2TRF1930	Transformer	\$111.20	0610377854443	29
FDXLWPS1930	Water Pressure Switch	\$32.40	0610377074230	30
IDXL2DB1930	Display Board Only	\$269.20	0610377896740	31
FDXLBKP1931	Bezel and Keypad Assembly, ASME	\$80.86	0610377072908	32
UHXLOK1930	Control Bezel Lock-Out Kit	\$58.92	0610377187084	—
FDXLHLI1930	High Limit 135°F	\$50.70	0610377073783	33
FDXLTER1930	Thermistor	\$37.40	0610377073790	34
FDXLGSK1932	Gasket, Bezel/Top	\$25.53	0610377072946	35
FDXLGSK1934	Gasket, CC Front/Air Box - All Models	\$52.99	0610377072960	36
FDXLHXA1250A	Heat Exchanger Assembly, ASME - H250FD	\$2,804.33	0610377135610	37
FDXLHXA1400A	Heat Exchanger Assembly, ASME - H400FD	\$3,017.67	0610377135603	37
FDXLDRV1930A	Drain Valve, ASME	\$28.98	0610377135818	47
CHXRLV1930	Pressure Relief Valve	\$61.63	0610377003179	48
FDXLB RN1930	Burner	\$279.37	0610377072762	—
FDXLFSK1930	Fuse Service Kit	\$29.57	0610377072915	—
FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty of 10)	\$39.69	0610377123105	—
FDXLFSKF15	Fuse Kit, 1.5A, for Field Wiring Panel (Qty of 10)	\$20.14	0610377123129	—
FDXLFSKF25	Fuse Kit, 2.5A, for Field Wiring Panel (Qty of 10)	\$20.14	0610377123112	—
FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty of 10)	\$20.14	0610377123136	—
FDXLUNK1930A	ASME Union Flange Kit (Includes Flange Fittings, Bolts, Gaskets)	\$87.95	0610377135801	—
FDXLGSK1930	Gasket Kit - Air Side - All Models Includes: • Gasket, Blower Mounting • Gasket, Cover/Air Box Front • Gasket, Manifold/Air Box	\$57.69	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	\$109.55	0610377072939	—
FDXLGSK1933	Insulation, Return Side Tube Sheet	\$29.08	0610377072953	—
FDXLTDK1930	Tie-Down Kit	\$56.73	0610377072977	—
FDXLWHA1930	Wiring Harness Kit Complete	\$159.63	0610377110730	—
FDXLVSJ1930	Voltage Selector Jumpers	\$40.43	0610377119870	—
FDXLCNK0001	Conversion Kit - NA to LP	\$177.80	0610377080095	—
FDXLCNK0002	Conversion Kit - LP to NA	\$177.80	0610377080101	—
FDXLHAK1930	Conversion Kit, All Models, High-Altitude 2,000-10,100'	\$112.28	0610377104326	—
UHXNEGVT12501	Indoor Vent Adapter Kit, H250FD, Negative-Pressure (Vertical)	\$229.61	0610377106191	—
UHXNEGVT14001	Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical)	\$229.61	0610377106214	—
UHXPOSHZ12501	Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal)	\$382.76	0610377106184	—
UHXPOSHZ14001	Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal)	\$382.76	0610377106160	—
UHXPOSHZ12502	4" Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal) (HF/DV)	\$180.56	0610377261760	—
UHXPOSHZ14002	6" Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal) (HF/DV)	\$180.56	0610377261777	—
UHXPOSHZ15002	6" Indoor Vent Adapter Kit, H500FD, Positive-Pressure (Horizontal) (HF/DV)	\$180.56	0610377280075	—
FDXLVPS1930	Vent Pressure Switch, Indoor, 0-2,000'	\$47.82	0610377099387	—
FDXLVPS1931	Vent Pressure Switch, Indoor, 2,000-10,100'	\$77.56	0610377105392	—
UHXHD6STERM	Heatfab Stainless Vent Kit, 6" Horizontal Straight Terminal	\$592.23	0610377145664	—
UHXHD6ELBOW	Heatfab Stainless Vent Kit, 6" 90° Elbow	\$330.71	0610377145565	—
UHXHD6PIPE18	Heatfab Stainless Vent Kit, 6" Vent Pipe, 18" Long	\$213.85	0610377145596	—
UHXHD6PIPE24	Heatfab Stainless Vent Kit, 6" Vent Pipe, 24" Long	\$282.92	0610377145602	—
UHXHD6PIPE36	Heatfab Stainless Vent Kit, 6" Vent Pipe, 36" Long	\$335.59	0610377145619	—
UHXHD8STERM	Heatfab Stainless Vent Kit, 8" Horizontal Straight Terminal	\$663.02	0610377145657	—
UHXHD8ELBOW	Heatfab Stainless Vent Kit, 8" 90° Elbow	\$431.02	0610377145572	—
UHXHD8PIPE18	Heatfab Stainless Vent Kit, 8" Vent Pipe, 18" Long	\$301.04	0610377145626	—
UHXHD8PIPE24	Heatfab Stainless Vent Kit, 8" Vent Pipe, 24" Long	\$361.96	0610377145633	—
UHXHD8PIPE36	Heatfab Stainless Vent Kit, 8" Vent Pipe, 36" Long	\$505.02	0610377145640	—

# Commercial Cleaners

Exploded Diagram of AquaVac® 500C



Part Number	Size / Description	List Price	GTIN	Drawing Number	Carton Qty
<b>AquaVac 500C Commercial Robotic Cleaner</b>					
RCX341203OR	Handle Assembly - Orange	\$31.96	0610377267991	1	1
RCX341242GR2	Hood Exhaust Nozzle - Gray 2	\$12.41	0610377268011	3	1
RCXHD2AAV500C	Hood Assembly - Gray 2, AV500C	\$142.42	0610377273152	4	1
RCX341205GR4	Button Assembly - Gray 4	\$15.27	0610377268073	5	5
RCX70101PAK2	Filter Cartridges (Set of 2)	\$61.19	0610377268332	10	5
RCX70103PAK2	Spring Cleanup Cartridges (Set of 2)	\$20.24	0610377268349	10	10
RCX97417	Filter Door	\$7.21	0610377107372	11	10
RCX97414	Filter Bucket	\$74.14	0610377107358	12	1
RCX341190A	75 Ft Cord Assy With Swivel	\$690.94	0610377271028	13	1
RCX97417SPAK2	Filter Door Element (Set of 2)	\$7.09	0610377243193	14	10
RCX974057KIT	Drain Flap Kit	\$16.20	0610377268363	15	5
RCX341161A	Power Supply	\$576.60	0610377268387	16	1
RCX341103GR4	Rear Panel - Gray 4	\$18.47	0610377268455	17	5
RCX97455	Turbine Vent	\$5.71	0610377107570	18	10
RCX11000BK	Impeller - AquaVac Black	\$9.60	0610377270991	19	10
RCX341195	Motor Assembly	\$582.68	0610377268479	20	1
RCX341111PAK2	Wheel Hub Kit (Set of 2)	\$4.88	0610377268486	21	5
RCX97505PAK2	Drive Track Wheel Kit (Set of 2)	\$14.11	0610377268493	22	5
RCX26000PAK2	Pulley Bearing Kit (Set of 2)	\$20.29	0610377268509	23	5
RCX97502KIT	Drive Shaft & Bearing Kit	\$19.50	0610377268516	24	5
RCX97501GR	Belt Drive Track	\$25.58	0610377198233	25	5
RCX341101GR4	Left Side Cover - Gray 4	\$27.13	0610377268561	26	1
RCX341142GR	Cleaner Base	\$72.71	0610377268585	27	1
RCX97506PAK2	Roller Bushing Kit (Set of 2)	\$2.19	0610377268592	28	5
RCX97509PAK2	Drive Wheel Kit (Set of 2)	\$8.37	0610377268608	29	5
RCX97435PAK2	Roller Shaft Bushing Kit (Set of 2)	\$3.23	0610377268615	30	5
RCX97507PAK2	Roller Wheel Shaft (Set of 2)	\$11.72	0610377268622	31	5
RCX26008	Brush	\$25.88	0610377061797	32	5
RCX97410	Tuve Wheel Assembly	\$16.99	0610377107815	33	5
RCX341102GR4	Right Side Cover - Gray 4	\$27.13	0610377268684	34	1
RCX341127GR4	Wheel Shield - Gray 4	\$6.23	0610377268752	35	5
RCX341109PAK2	Wheel Bushing Kit (Set of 2)	\$5.34	0610377268776	36	5
RCX341145KIT	Wheel Drive Gear Kit	\$7.95	0610377268783	37	5
RCX341113GR4BK	Wheel Rim & Tire-Gray 4/Black	\$39.96	0610377269100	38	5
RCX341206OR	Starfish Wheel Style - Orange	\$3.84	0610377268905	40	10
RCX341112OR	Wheel Axle Plug - Orange (Set of 2)	\$4.88	0610377268486	41	10
RCX59004KIT	Motor Cord Seal Kit	\$10.00	0610377268981	42	5
RCX59002KIT	Motor Cord Connector Kit	\$5.34	0610377268998	43	5

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Other Commercial Robotic Cleaners</b>				
RCXP1225L	Rod - Tie, Filter	\$21.62	0610377062787	10
RCXP2300	Impeller - Prince, Six Blades	\$17.61	0610377062374	10
RCXP230015	Impeller - 6 Blades (Qty of 15)	\$70.50	0610377131315	1
RCXP4060	Rotor Shaft Leeson, KS	\$168.67	0610377069496	5
RCXP4175	Motor - 1/2 HP, 110/50, NSPI	\$768.93	0610377103640	1
RCXP4190	Motor - 1/2 HP, Prince 110/60 NSP	\$773.83	0610377065160	1
RCXRIOZZ	Bearing, Metal Caddy and HH	\$20.14	0610377062800	10
RCXR4ZZ	Bearing - 5/8"	\$15.09	0610377069540	10
RCX11000	Impeller	\$11.33	0610377062015	10
RCX1102A	Collar - Drive MS, MS2, KS	\$13.79	0610377064217	10
RCX1104A	Impeller - Only Flex MS, MS2	\$13.79	0610377062848	10
RCX1113	Key - Drive Wheel, MS, MS2, KS	\$13.12	0610377065078	10
RCX1114A	Button - Wheel, MS, MS2, KS, KS2	\$3.45	0610377062732	1
RCX11206L	Kit - Restrictor Plate, TS, EX	\$6.85	0610377061971	10
RCX11207	Plate - Restrictor, New Style	\$9.14	0610377101264	5
RCX11208	Assembly - Venturi, New Style	\$24.06	0610377096645	10
RCX11209	Restrictor - Tube Insert	\$8.40	0610377101295	5
RCX11400	Clip - Lid (Qty of 2)	\$4.48	0610377062527	10
RCX12000	Screw - M2.9 x 13 Flat (Qty of 5)	\$3.52	0610377064699	10
RCX12001	Screw - M4 x 12 Pan (Qty of 5)	\$3.25	0610377064149	10
RCX12002	Screw - M4 x 12 Flat (Qty of 5)	\$3.32	0610377062916	10
RCX12008	Screw - M2.9 x 12 Pan (Qty of 5)	\$3.37	0610377064163	10
RCX12009	Screw - M2.9 x 8 Pan (Qty of 5)	\$3.52	0610377062855	10
RCX12011	Screw - MS x 20 Pan (Qty of 5)	\$4.33	0610377062459	10
RCX1206	Spring - Sensor Slide, MS, MS2, KS	\$18.54	0610377063487	10
RCX12100	Spring - Handle Latch	\$3.08	0610377064224	10
RCX12101	Spring - Bottom Lid	\$3.13	0610377064323	1
RCX12102	Spring - Retainer	\$3.59	0610377064385	1
RCX12301	Connector - Plastic Washer	\$2.78	0610377063456	10
RCX12302	Washer - Plastic Connector	\$2.78	0610377062992	10
RCX13001	Assembly - Outer Casing TS	\$96.18	0610377067188	1
RCX13002	Assembly - Outer Casing TS2	\$124.20	0610377083188	1
RCX13004	Casing - Outer Assembly, QuickClean	\$82.93	0610377101349	1
RCX13007	Asst - Outer Case, Gray on Gray	\$93.42	0610377096454	1
RCX1303	Hood - Gray, MS, MS2, KS	\$57.84	0610377064866	10
RCX1307V	Belt - Drive, Short MS, MS2, KS	\$32.01	0610377062817	10
RCX1309	Rope - Queen 5' 3/8", Poly Pro	\$9.06	0610377101400	1
RCX1312	Rope - K 10' 3/8" Poly Pro T	\$11.52	0610377065337	10
RCX13150	Assy - Side Cover	\$29.15	0610377065542	1
RCX13200	Cover Side	\$15.19	0610377061995	5
RCX1308	Hood - MS DC (New)	\$100.66	0610377109024	1
RCX1308CY	Hood - Cyan Color MS2 (New)	\$100.66	0610377148030	1
RCX1308BL	Hood - Blue Color KS (New)	\$100.66	0610377148023	1
RCX14000	Handle - Arm Slide	\$4.60	0610377063678	10
RCX14100	Latch - Handle	\$5.54	0610377064774	1
RCX1506	Bag - Adapter, MS2	\$16.20	0610377065184	10
RCX1507	Bag - Leaf w/Header	\$28.51	0610377064880	10
RCX1508	Bag - Sand and Silt, w/Header	\$28.24	0610377064132	10
RCX1510	Foam - Guide - Rope, 16/3	\$28.24	0610377062152	1
RCX1511	Foam - Clamp Motor, 16/3	\$4.21	0610377064422	1
RCX1516	Foam - Clamp Motor, 14/6	\$4.88	0610377065221	10
RCX1517	Clamp Motor Foam Lo-Volt	\$11.70	0610377082051	10
RCX1600A	Plate Wheel, Inside MS, MS2, KS	\$18.86	0610377062268	10
RCX1600A25	Plate Wheel, Inside MS (Qty of 25)	\$94.50	0610377131780	1
RCX1600L	Assembly - Drive Wheel, Left, MS, MS2, KS	\$164.46	0610377063012	10
RCX1600R	Assembly - Drive Wheel, Right, MS, MS2, KS	\$164.46	0610377063005	10
RCX1601	Plate - Outside Wheel, MS2, KS	\$23.98	0610377062381	1
RCX160125	Plate - Outside Wheel, MS2 (Qty of 25)	\$367.10	0610377131773	1
RCX1602	Gear - Set Wheel Planetary MS, MS2	\$51.91	0610377063494	5
RCX1602B	Ring - Gear, MS, MS2, KS Wheel	\$20.73	0610377063968	10
RCX1603	Gear - 1" Planet MS, MS2, KS Wheel	\$7.66	0610377067249	10
RCX1604	Gear - 3" Sun MS, MS2, KS Wheel	\$15.54	0610377067256	10
RCX1605	Washer - Wheel, Plastic M (Qty of 10)	\$5.74	0610377062497	10
RCX1606	Lock Wheel Drive - Stud MS, MS2	\$10.05	0610377061926	10
RCX1606A	Locknut - 10-24 Low Profile	\$1.95	0610377062862	10
RCX160650	Lock Wheel Drive - Stud (Qty of 50)	\$113.59	0610377131407	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Commercial Robotic Cleaners, continued</b>				
RCX1607A	Wheel - Piston, MS2, KS (Qty of 10)	\$21.82	0610377064408	10
RCX1608	E-Clip - Drive Wheel, MS, MS2, KS	\$5.22	0610377061803	10
RCX1608100	E-Clip - Drive Wheel, MS (Qty of 100)	\$38.93	0610377131445	1
RCX1610A	Nut - #10-32 SS, MS, MS2, KS, KS2	\$2.46	0610377062923	10
RCX1610B	Locknut - #10-32 SS, MS, MS2, KS	\$2.98	0610377062510	10
RCX1610B82	Nut - Slotted Head, #10-32 SS, MS	\$5.88	0610377062763	10
RCX17000	Inlet High Velocity	\$8.86	0610377062084	10
RCX170089	Base - Plate NS, MS, MS2, KS	\$61.78	0610377064835	10
RCX1701	Cable Assembly, w/Instructions, MS2	\$14.18	0610377061889	10
RCX1702	Wheel Front - V, MS, MS2, KS	\$16.35	0610377061940	10
RCX1702A	Ring - Snap, 3/8", MS, MS2, KS	\$3.20	0610377062411	10
RCX170225	Wheel Front - V, MS2, KS (Qty of 25)	\$120.55	0610377131346	1
RCX1703	Arm Reversing - MS, MS2, KS	\$13.79	0610377061964	10
RCX1703B	Washer - #10, SS, INT. ST (Qty of 10)	\$2.07	0610377063883	10
RCX1703D	Pin Cotter - Hair 1/8 Shaft	\$5.76	0610377061827	10
RCX170325	Arm Reversing - MS2, KS (Qty of 25)	\$81.50	0610377131353	1
RCX1705	Arm - Adjusting, MS, MS2, KS	\$14.06	0610377062367	10
RCX170525	Arm - Adjusting, MS2, KS (Qty of 25)	\$149.17	0610377131360	1
RCX1707	Slide - Sensor Bar, MS, MS2, KS	\$12.68	0610377061834	10
RCX170725	Slide - Sensor Bar, MS2, KS (Qty of 25)	\$165.56	0610377131377	1
RCX1710	Sensor Bar - Bumpers, MS, MS2	\$38.19	0610377061988	10
RCX17100	Flap - Drain, TS	\$9.75	0610377063821	10
RCX1711	Blade - Intake, MS, MS2, KS	\$5.10	0610377062343	10
RCX1712	Holder - Intake Blade MS, MS2, KS	\$7.36	0610377064316	10
RCX1713	Bolt - Hex Head #8-32 x 1/2" (Qty of 10)	\$3.96	0610377063739	10
RCX1714	Guide - Pin Assembly, MS, MS2, KS, KS2	\$16.67	0610377062060	10
RCX1714A	Pin - Sleeve-Guide, MS2 (Qty of 10)	\$33.41	0610377062121	10
RCX1714C	Bolt - #10-32 x 1-1/2" (Qty of 10)	\$5.91	0610377063944	10
RCX1715	Screw - #10-32 x 1/2" TRA (Qty of 10)	\$4.24	0610377061902	10
RCX1715A	Screw - #10-32 x 1/2" Slot Pan SS	\$3.42	0610377064255	10
RCX1717	Sensor - Bar, MS DC (New)	\$83.03	0610377109031	1
RCX1719	Slide - Sensor Bar (Qty of 2) (New)	\$14.97	0610377109048	1
RCX1720	Bolt - Hex, 5/16, 18 x 1" MS, MS2	\$3.74	0610377101561	10
RCX1721	Axle - Front, MS, MS2, KS	\$23.10	0610377064736	10
RCX1722	Nut - Adjusting Arm, MS, MS2, KS	\$6.67	0610377063852	10
RCX1723	Bolt - Adjusting Arm, MS, MS2, KS	\$14.18	0610377065009	10
RCX1800F	Gearbox - Flex, MS, MS2, KS	\$438.12	0610377063555	1
RCX1801	Housing - Gear Box	\$34.37	0610377067300	1
RCX1802B	Washer - #8 Flat SS, MS, MS2, KS	\$4.21	0610377064750	10
RCX1806	Gear - Worm, Steel, MS2, KS	\$64.22	0610377068253	1
RCX1808	Bolt - 1/4-20 x 1-1/4" Hex Head	\$5.12	0610377064170	10
RCX1809	Screw - #8-32 x 3/4" Slot Round Head SS	\$2.41	0610377064668	1
RCX1811A	Seal - Ceramic, w/ Rubber Washer	\$12.63	0610377068277	1
RCX1811B	Washer - 5/8 x 1-3/16" x .06 (Qty of 10)	\$4.06	0610377061919	10
RCX1811C	Washer - 5/8 x 1-3/16" x .032	\$10.34	0610377064804	10
RCX1811D	Washer - 5/8 x 1-3/16" x .020	\$6.75	0610377101622	10
RCX1811E	Seal - Double Lip Wave	\$54.32	0610377068284	10
RCX1811E25	Seal - Double Lip Wave (Qty of 25)	\$266.81	0610377131766	1
RCX1811F	Sleeve - Worm Shaft Wear	\$70.35	0610377068291	10
RCX1811XP	Adapter - Seal Lip For Motor	\$122.99	0610377068314	1
RCX1812E	Shaft - Worm Drive, Wave Seal Flex	\$22.65	0610377068321	10
RCX1812G	Assembly - Worm Drive, Flex	\$110.88	0610377068338	1
RCX1813	Pin - Drive, 1/16" x 7/16" 416 SS	\$5.32	0610377064842	1
RCX1814	Assembly - Drive Shaft, Bronze Gear	\$233.99	0610377068345	1
RCX1814A	Axle - Drive, MS2, KS	\$94.68	0610377068352	10
RCX1814B	Gear - Bronze, MS2, KS	\$177.83	0610377068369	1
RCX1814C	Washer - 7/16" Flat SS, MS, MS2	\$1.63	0610377061865	10
RCX1814D	Ring - Snap, 1/2", MS (Qty of 10)	\$20.66	0610377062756	10
RCX1818A	Plug - Brass Pipe, Square Head 1/8"	\$8.17	0610377068376	10
RCX2101	Assembly - Impeller Drive Collar, Lo-Volt	\$39.32	0610377069564	10
RCX2102	Collar - Drive, KS2, KS2 Plus	\$22.92	0610377069588	10
RCX2102A	Assembly - Impeller Drive Collar, KS2	\$42.60	0610377069601	10
RCX2102B	Screw - #10-32 1-1/4" Slot Round Head KS	\$2.81	0610377069618	10

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Commercial Robotic Cleaners, continued</b>				
RCX2103	Impeller, KS2, KS2 Plus	\$15.39	0610377069625	10
RCX2103A	Ring - Impeller Retaining	\$5.10	0610377065207	10
RCX2106	Assembly - Gearbox Roller, KS2, KS2 Plus	\$248.67	0610377069663	10
RCX2106E	Gearbox - Roller w/End Caps, KS2	\$144.44	0610377069687	10
RCX2107	Bolt - Hex Head, 1/4 - 20 x 1/2", KS2	\$2.73	0610377101653	10
RCX2107A	Washer - 5/16", Split Lock SS	\$2.36	0610377101660	10
RCX2108	Key - Drive Wheel, KS2, KS2 Plus	\$8.82	0610377069694	10
RCX2111	Shaft - Worm, Coupling, KS2, KS2 Plus	\$167.39	0610377069717	1
RCX2111A	Snap Ring - 5/8" Waldes, KS	\$5.91	0610377069724	1
RCX2111B	Plate - Seal Cover, KS2, KS2 Plus	\$12.31	0610377069748	10
RCX2113	Gear - Bronze, KS2, KS2 Plus	\$273.96	0610377069779	1
RCX2114	Assembly - Drive Shaft and Gear KS2, KS	\$393.13	0610377069786	1
RCX2116A	Seal - Adapter Worm Shaft, KS2 Plus	\$8.84	0610377069793	5
RCX2121B	Bolt - 1/4 - 20 x 3/4" HE (Qty of 10)	\$4.26	0610377069830	10
RCX2121C	Screw - 1/4 - 20 Flat MHS Slot KS2	\$3.84	0610377069847	10
RCX2121D	Bolt - 5/16 - 18 x 3/4" Hex Head, KS2	\$3.57	0610377069854	10
RCX2121E	Washer - 5/16" Flat SS	\$2.56	0610377069861	10
RCX2121F	Screw - 1/4 - 20 x 5/8" (Qty of 10)	\$3.96	0610377069878	10
RCX2123A	Snap Ring - Waldes 5/8"	\$34.69	0610377069885	10
RCX2123B	Adapter - Drive Axle Seal	\$5.52	0610377069892	1
RCX2125	Coupling - Worm Shaft, Motor	\$28.88	0610377069915	10
RCX2126A	Screw - #10-32 x 3/4" Round Head SS	\$3.30	0610377069946	10
RCX2126P	Cover - Worm Shaft, Plastic Gear	\$4.04	0610377069953	10
RCX2140L	Assembly - Solenoid, Left	\$231.16	0610377069977	1
RCX2140R	Assembly - Solenoid, Right	\$231.16	0610377069991	1
RCX2143	Solenoid - Complete, Enclosed	\$128.65	0610377070010	1
RCX2144L	Bracket - Mounting, Hook, Left	\$62.39	0610377070027	10
RCX2144R	Bracket - Mounting, Hook, Right	\$62.39	0610377070041	10
RCX2145L	Hook - Wheel Locking, LC	\$44.20	0610377070058	10
RCX2145R	Hook - Wheel Locking, RC	\$44.20	0610377070065	10
RCX2146	Screw - #10-32 x 1/2" Slot Flat	\$2.46	0610377070089	10
RCX2147	Pin - Hinge	\$4.04	0610377070102	1
RCX2148	U-Bolt - Solenoid Mounting Bracket C	\$28.14	0610377070119	1
RCX2149	Screw - #8-32 x 7/8" Slot Flat Head	\$3.15	0610377070126	10
RCX2201C81	Base - Front Axle, NS, KS2, KS2 Plus	\$539.32	0610377070140	1
RCX2202V	Wheel - Front, V, KS2	\$16.35	0610377070133	10
RCX2202V50	Wheel - Front, V, KS2 (Qty of 50)	\$275.33	0610377131414	1
RCX2203	Arm - Reversing, Left or Right, KS2	\$14.18	0610377070096	10
RCX220340	Arm - Reversing, Left or Right (Qty of 40)	\$328.69	0610377131391	1
RCX2204C	Washer - 10 Flat SS, Q, P, K, C, T	\$2.22	0610377061780	100
RCX2204C200	Washer - 10 Flat SS, MS2 (Qty of 200)	\$14.04	0610377131452	1
RCX2206	Arm - Adjusting, Polished, KS2 Plus	\$74.46	0610377070072	10
RCX2207L	Spring - Long, SS, K	\$2.27	0610377070034	10
RCX2208W	Slide - Bar, Sensor, Weighted, O/S	\$37.08	0610377069922	1
RCX2212	Assembly - Cable, 14-1/2", Short, KS2	\$36.32	0610377069762	10
RCX2212A	Screw - #10-32 x 5/8", Slot, Round Head	\$2.56	0610377069700	10
RCX221281	Assembly - Cable, 16-1/2" Long, KS2	\$64.00	0610377069731	10
RCX22128120	Assembly - Cable, 16-1/2" Long, KS2 (Qty of 20)	\$1,386.69	0610377131322	5
RCX2219A	Ring - 1/4," Snap, WALD (Qty of 10)	\$14.77	0610377069649	10
RCX2220B	Washer - 1/4 x 5/8," Flat, SS (Qty of 10)	\$2.31	0610377069571	10
RCX2222	Hook - Cable, KS2	\$14.87	0610377101776	1
RCX2225	Stabilizer - Intake, NS, KS2	\$25.16	0610377069472	10
RCX2226	Manifold - Intake, KS2	\$34.03	0610377069441	1
RCX2226A	Wire - Intake, Baffle, KS2	\$11.52	0610377069427	10
RCX23002	Drive Track - Soft Tread	\$34.92	0610377061810	5
RCX2302A	Screw, 1/4 - 20 x 5/8" (Qty of 10)	\$4.46	0610377064156	10
RCX2303V	Belt - Drive, KS2	\$64.29	0610377069342	10
RCX2303V10	Belt - Drive, KS2 (Qty of 10)	\$186.89	0610377131285	1
RCX2304L	Pin - 4," K Stanchion, KS2	\$60.50	0610377069328	10
RCX2305	Pin - Idler, Telescoping, KS2	\$19.23	0610377069304	10
RCX2306	Idler - Roller, KS2	\$8.89	0610377067928	10
RCX230620	Idler - Roller, KS2 (Qty of 20)	\$69.24	0610377131339	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Commercial Robotic Cleaners, continued</b>				
RCX2307	Spring - Stanchion, KS2	\$2.59	0610377067935	10
RCX2308	Pin - Cotter, 3-32 x 1/2" (Qty of 10)	\$2.91	0610377067942	10
RCX2310	Roller - Support, Bottom, KS2	\$10.05	0610377067959	10
RCX231001	Roller - Side Support, Bottom	\$10.05	0610377067966	10
RCX2311S	Axle - Roller, Support, Short, KS2	\$15.54	0610377067997	10
RCX2312	Handle - Floating, KS2	\$19.23	0610377068000	10
RCX2314	Rope - 5', Handle, Floating	\$13.79	0610377068017	1
RCX2317	Guide - Roller, Side Belt, KS2	\$10.05	0610377068031	10
RCX2317A	Bushing - Oilless, Bronze, KS2	\$14.18	0610377068048	10
RCX2408A	Screw - 10 x 3/8"	\$3.05	0610377101875	10
RCX2504B	Adapter - PVC, Leaf Bag, O/S, KS2	\$29.25	0610377068062	1
RCX2505	Bag - Filter, KS2	\$81.55	0610377068079	10
RCX2600	Plate - Wheel, Inside, KS2	\$17.95	0610377068086	10
RCX26000	Pulley - Bearing Idler	\$10.69	0610377062114	10
RCX26001	Roller - Bearing Guide	\$30.31	0610377062039	10
RCX26002	Assembly - Drive Bearing Pulley	\$30.58	0610377061841	10
RCX260025	Plate - Wheel, Inside, KS2 (Qty of 25)	\$22.14	0610377131742	1
RCX26003	Assembly - Wheel Tube w/o Brush	\$61.14	0610377062954	5
RCX26004	Tube - Wheel	\$10.81	0610377062398	5
RCX26008	Brush - Roller, Clear, TS	\$25.88	0610377061797	5
RCX2601C	Washer - 1/4," Flat, KS2	\$2.36	0610377068093	10
RCX2601RL	Plate - Wheel, Outside, Left or Right	\$25.24	0610377068109	1
RCX2601RL25	Plate - Wheel, Outside, Left or Right (Qty of 25)	\$412.61	0610377131759	1
RCX26011	Roller - Foam w/ Tube	\$38.56	0610377133920	5
RCX26012	Foam Roller Assembly	\$63.80	0610377121774	5
RCX2602	Set - Gear, Finished, KS2	\$77.46	0610377068116	25
RCX2602B	Gear - Ring, Finished, KS2	\$25.90	0610377068123	10
RCX2603	Gear - 1-1/4," Planetary, K	\$12.93	0610377068130	10
RCX2604	Gear - 4," Sun, K	\$19.97	0610377068147	10
RCX2605	Washer - Wheel, Inside, KS2 (Qty of 10)	\$7.98	0610377068154	10
RCX2606	Lock - Wheel, Drive, Current, KS2	\$12.80	0610377068161	10
RCX2606A	Screw - #10-32 x 1", Slot Round Head, SS	\$2.73	0610377068178	10
RCX260650	Lock - Wheel, Drive, Current (Qty of 50)	\$288.16	0610377131421	1
RCX2608L	Wheel - Drive, Left, KS2	\$192.99	0610377068185	10
RCX2608R	Wheel - Drive, Right, KS2	\$192.99	0610377068192	10
RCX2810	Screw - Phil Pan Head #8-16 x 3/4"	\$7.19	0610377065115	10
RCX97453	Assembly - Power Supply, 115 VDC	\$321.06	0610377064200	1
RCX30000RC	Power Supply - Remote, TS 110V	\$560.44	0610377065559	1
RCX3050	Assembly - Harness, Wiring, Solenoid	\$83.69	0610377068208	10
RCX31000	Power Supply, 240 VAC	\$333.44	0610377068413	1
RCX97454	Power Supply, 240 VDC	\$314.76	0610377068420	1
RCX31000RC	Power Supply Remote, TS 240V	\$570.83	0610377068444	1
RCX3105P	Assembly - Gearbox, Plastic, KS2	\$897.75	0610377068246	1
RCX3121	Housing - Pump, Screw Plate, KS2	\$162.86	0610377069120	1
RCX3124P	Housing - Pump	\$25.16	0610377069144	10
RCX3126	Screw - 1/4-20 x 3/8," Hex, Nylon, B	\$3.10	0610377069151	10
RCX3207	Housing - Bell, Plastic, KS2, KS2 Plus	\$62.39	0610377069243	1
RCX3208	Slide - Bar, Sensor	\$14.18	0610377069267	10
RCX3209	Nut - Lock, 1/4-20 Hex SS KS2	\$2.68	0610377062930	10
RCX3210	Bar - Sensor, C LP	\$59.96	0610377067416	10
RCX321010	Bar - Sensor, C LP (Qty of 10)	\$157.93	0610377131292	1
RCX3211	Assembly - Bar, Sensor, C LP	\$76.43	0610377067423	1
RCX3213	Rivet - Bar, Sensor	\$2.49	0610377067430	10
RCX328	Insert - Carton, MS2	\$38.31	0610377065306	1
RCX3304	Bracket - Rope	\$46.29	0610377067447	1
RCX3309	Washer - Hood, LP C (Qty of 10)	\$14.50	0610377067454	10
RCX3310G	Hood - Granite, KS2	\$258.59	0610377067461	1
RCX3310GS	Hood - Granite, Swivel, KS2 Plus	\$284.57	0610377067478	1
RCX3315	Washer - 1/4" Fender 1" x .05	\$2.76	0610377071123	10
RCX3330	Handle - KS2	\$26.72	0610377067485	1
RCX3350	Kit - Handle, KS2, KS2 Plus	\$150.52	0610377067492	1
RCX3400	Assembly - Filter, C LP	\$399.66	0610377067508	1
RCX340004	Assembly - Filter, KS2, Quick Release	\$399.66	0610377067515	1
RCX340005	Assembly - Filter, KS2, Conversion	\$258.59	0610377067522	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Commercial Robotic Cleaners, continued</b>				
RCX3401	Intake - Filter Housing, KS2	\$15.24	0610377067539	10
RCX3402	Screw - 4 x 3/8", Phil, Round Head, SS, K	\$2.24	0610377067553	10
RCX3403	Baffle - Filter Housing, KS2	\$6.38	0610377067560	10
RCX3405	Knob - Tie Rod, Filter, KS2	\$9.31	0610377067577	10
RCX3406	Screw - SS #4 x 3/8" (Qty of 10)	\$3.05	0610377063708	10
RCX3409	Housing - Filter, C LP	\$138.95	0610377067584	1
RCX3415	Bag - Adapter Filter	\$72.71	0610377096799	1
RCX3416	Assembly - Back Plate, KS, KS2 Plus	\$192.99	0610377067591	1
RCX3416QR	Assembly - Back Plate, Quick Release	\$213.78	0610377067614	1
RCX341603	Assembly - Back Plate, KS, KS2 Plus	\$192.99	0610377067607	1
RCX3420A	Screw - Phil Flat Head Self #6 x 3/4"	\$2.24	0610377065238	1
RCX3422	Base - Release	\$11.77	0610377067621	1
RCX3424	Screw - #10-32 x 1-1/4" Slot Flat	\$3.40	0610377064903	1
RCX3431	Assembly - Stud, Retainer, Filter, KS2	\$26.94	0610377067645	10
RCX3432	Assembly - Saddle, NS, C LP	\$63.60	0610377067652	1
RCX3440	Assembly - Hook, Utility	\$9.41	0610377070362	10
RCX3460	Assembly - Post, KS2, Quick Release	\$50.92	0610377067669	10
RCX3470	Assembly - Handle, KS2, Quick Release	\$77.93	0610377067676	10
RCX350K	Wheel - Cart, Caddy, KS2	\$47.52	0610377067706	2
RCX350K10	Wheel - Cart, Caddy, KS2 (Qty of 10)	\$188.22	0610377131308	1
RCX3500	Assembly - Bag, Leaf	\$168.89	0610377067683	1
RCX351A	Nut - 1/4 - 20 Hex SS K, Q, P	\$2.76	0610377064811	10
RCX354	Tips - Leg, White AG16	\$4.33	0610377065405	1
RCX97453QC	Supply - Power, 115V, QuickClean	\$367.15	0610377065061	1
RCX97454QC	Power Supply QuickClean	\$549.76	0610377083195	1
RCX360299	Box - Control, Intl, 240V, 50/60C, 360	\$2,542.32	0610377067744	1
RCX3604	Remote - Wired, Intermatic	\$524.49	0610377067751	1
RCX3650	Switch - Membrane, Commercial 13286	\$62.94	0610377067812	1
RCX3700	Box - Control, Crdls, 110V/60, Remote	\$2,497.88	0610377067829	1
RCX370104	Antenna - 416 Hex, KS2 Plus	\$45.43	0610377067843	6
RCX373804	Assembly - Remote Control, KS2	\$201.96	0610377065030	1
RCX373806	Remote Control KS2 + (433MHz)	\$201.98	0610377096836	10
RCX3741	Board - PC Relay, KS2, Antex	\$463.97	0610377067874	1
RCX3752	Board - Timer, Digital, KS2 Plus	\$160.32	0610377067881	1
RCX380	Screw - #10-32 x 2" Slot Round Head	\$3.52	0610377064248	1
RCX3842	Receptacle - Female 8 Pin Control	\$131.68	0610377066488	1
RCX3843	Receptacle - Male 8 Pin Control	\$113.44	0610377066495	1
RCX3891	Assembly - Plug, Liquid Tite	\$28.12	0610377066501	1
RCX3891A	Connector - Liquid Tite #3210	\$7.04	0610377068598	1
RCX390C	Zinc Plated Hub Cap 1/2"	\$5.29	0610377066549	1
RCX3903	Pully	\$33.41	0610377066525	1
RC39186	Cart - Caddy - KS2 Plus (Old Part Number RCX391)	\$682.57	0610377071277	1
RCX395	Cart - Caddy, Lo-Volt, KS2 Plus	\$826.64	0610377066556	1
RCX40000D	Assembly - Motor Unit, 4 Hr	\$872.49	0610377063395	1
RCX40000DC	Motor - Unit, 4 Hr DC Input	\$530.01	0610377062022	1
RCX40000RC	Assembly - Motor Unit, Remote 4 Hr	\$649.97	0610377064934	1
RCX400088	Motor - NSPI 1/3 Hp 110/60	\$720.22	0610377065085	1
RCX400388	Motor - 3/4 Hp, 110/60, NS, PI, KS2	\$744.18	0610377066570	1
RCX4011	Motor - 3/4 Hp, Swivel, LP, 110/60	\$836.49	0610377066587	1
RCX40117	Assembly - Drive Pin, for Drive Motor	\$10.51	0610377062879	50
RCX4012	Motor - 3/4 Hp, Swivel, LP, 110/50	\$807.63	0610377131667	1
RCX4020	Motor - 3/4 Hp, Swivel, KS2, 110/60	\$890.51	0610377066594	1
RCX40209	Assembly - Control - Remote, TS, TS2	\$204.37	0610377065054	1
RCX40215	Remote - Hand Held	\$204.37	0610377083348	10
RCX4022	Motor - Swivel, C, 240/50/60	\$898.39	0610377066600	1
RCX41000D	Assembly - Motor Unit, 7 Hr	\$880.96	0610377064781	1
RCX41000DC	Motor - Unit, 7 Hr DC Input	\$530.01	0610377063838	1
RCX41000RC	Assembly - Remote Motor Unit 7 Hr	\$662.48	0610377065566	1
RCX411582	Housing - Motor, Anodized NS	\$141.58	0610377068833	1
RCX411682	Housing - Motor, 3/4 Hp, NS	\$152.96	0610377066624	1
RCX411882	Cap - End, Direct Wired Queen	\$118.95	0610377102360	1
RCX411993	Cap - End, Motor, Swivel, KS2	\$187.82	0610377066679	1
RCX4125CL	Shaft - Rotor, 1/3 Hp, Leeson	\$179.87	0610377068864	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Commercial Robotic Cleaners, continued</b>				
RCX4129CL	Shaft - Rotor, 3/4 Hp, Leeson	\$185.48	0610377068888	1
RCX413	Cord - 8/C, #16AWG, 20/3 Lo-Volt	\$1,469.82	0610377066693	1
RCX4133	Assembly - Rotor Shaft, 1/2 Hp KS2	\$237.34	0610377066754	1
RCX4148P82	Housing - Pump Plastic	\$137.62	0610377064675	10
RCX4151A	Bearing - Nachi 6203-2, NSK	\$12.68	0610377062978	10
RCX4157	O-ring - Seal, #160 Buna NS	\$4.78	0610377068925	1
RCX4168	Washer - Pressure Plate	\$7.14	0610377068932	10
RCX4169	Washer - Spring	\$12.24	0610377068949	10
RCX417A1000	Cable - Foam, 16/3	\$2,979.75	0610377066952	1
RCX4170D	Grommet - For Lo-Volt End Cap	\$7.95	0610377068963	1
RCX4170D07	Grommet, Rubber Lo-Volt	\$23.27	0610377096805	10
RCX4171D	Screw - 6-32 x 3/8" Pan Head Slot	\$2.07	0610377064972	10
RCX417182	Capacitor - Start Up, MFD216, 259	\$25.16	0610377066921	1
RCX4172A	Plate - Switch, Stationary Mec	\$30.24	0610377068970	10
RCX4172C	Screw - Flat Head	\$2.34	0610377065498	1
RCX4173	Spacer - Nylon, 1/4" Long (Qty of 10)	\$5.07	0610377063616	10
RCX4181A82	Bolt, 10-32 x 3-1/4," Motor, NS, KS2	\$18.34	0610377066983	1
RCX4187A	O-ring - #025 #568 Buna	\$3.35	0610377065436	1
RCX4187B	Connector - Plate Plug	\$5.15	0610377069007	10
RCX4188	Conductor - Socket Jones 3	\$5.15	0610377062251	10
RCX4188B	Plug - Retainer	\$8.32	0610377064309	1
RCX418825	Conductor - Socket Jones 3 (Qty of 25)	\$161.65	0610377131384	1
RCX4189	Cover - Plug, PI Motor	\$7.09	0610377063586	10
RCX4189A	O-ring - 128 Buna, 586 NSPI MS2, KS	\$2.51	0610377066990	10
RCX4190E	Switch - 60Hz Centrifugal	\$24.18	0610377069014	1
RCX4190F	Switch - 50Hz Centrifugal	\$32.77	0610377067010	10
RCX420A	Nut - Hex #8-32, SS (Qty of 10)	\$2.39	0610377062985	10
RCX42000	Assembly - Solenoid, TS Remote	\$174.63	0610377069038	1
RCX42022	Foot - Solenoid	\$7.46	0610377069052	5
RCX4208	Screw - 1/4-20 x 1-1/4" Slot RHMS	\$3.72	0610377067072	10
RCX4209	Pad - Motor Rubber NS	\$7.61	0610377063647	10
RCX4222	Assembly - Cord, Cap, 150', Lo-Volt, Kit, KS	\$1,545.51	0610377067096	1
RCX43000	Motor Unit, 4 Hr DC QuickClean	\$612.47	0610377064965	1
RCX4500B88	Motor - 1/3 Hp, 240/50/60 NSPI	\$679.89	0610377069083	1
RCX47	Guide - Rope, Lo-Volt DC	\$12.24	0610377081962	1
RCX5	Clamp - Cord for Motor KS, MS	\$8.40	0610377065139	10
RCX50000A	Kit - Cord Changing, TG, Pinn	\$14.75	0610377063425	10
RCX50060	Assembly - Power Cord, Floating 55' Old Style	\$162.31	0610377069199	1
RCX50061	Assembly - Power Cord, Floating, 55'	\$164.01	0610377062749	1
RCX50070	Assembly - Cord, 55', Remote TS	\$346.03	0610377065474	1
RCX50075	Assembly - Cord, 100', TS2 Remote	\$427.77	0610377065269	1
RCX505	Set - Cord, 55' MS2, NSP	\$220.89	0610377065023	1
RCX507	Set - Cord, 100' KS, NSPI	\$260.63	0610377063784	1
RCX508	Set - Cord, 75' MS2, NSP	\$227.42	0610377064279	1
RCX510	Set - Cord, 150' KS2, NSPI	\$466.51	0610377067362	1
RCX512	Set - Cord, Swivel, 150'; KS2	\$518.51	0610377067379	1
RCX513	Set - Cord, Swivel, 150'; KS2 Plus	\$1,101.34	0610377067393	1
RCX514	Set - Cord, 125'; KS, NSPI	\$307.44	0610377065375	1
RCX56	Clamp - Hose, 3" #6356	\$4.88	0610377063975	1
RCX59001	Connector - Cable, Float Cable Male	\$37.06	0610377062480	10
RCX59002	Housing - Connector	\$4.21	0610377062435	10
RCX59003	Seal - Compression	\$6.38	0610377061858	10
RCX59004	Plug - Seal	\$4.46	0610377062961	10
RCX59006	Connector - Socket Molex	\$1.99	0610377062145	50
RCX59007	Plate - Cover, Strain Relief	\$4.48	0610377063807	10
RCX59008	Connector - 4 Pin, Remote TS	\$6.53	0610377065351	10
RCX5919	Plug - Electrical	\$26.52	0610377063548	10
RCX5983	Housing - Female Receptacle, 50 Amp	\$112.33	0610377065702	1
RCX5986	Housing - Male Plug, 50 Amp	\$127.42	0610377065801	1
RCX5987	Pins - #12, Male	\$7.63	0610377065849	1
RCX5988	Pins - #8, Male	\$33.68	0610377065863	10
RCX5990	Washer - Lock, Lo-Volt Receptacle	\$6.72	0610377065894	10
RCX6	Float - Orange 20'; 2' Rope Q	\$43.88	0610377065146	1
RCX6130	Assembly - Cord and Cap, Lo-Volt 100'	\$1,236.10	0610377069250	1
RCX615P	Cord Set 150'; KS2	\$1,478.44	0610377132091	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Commercial Robotic Cleaners, continued</b>				
RCX616	Cord, 6C/16AWG DC Unit	\$1,865.83	0610377131841	1
RCX6518	Motor - DC, 24V/30A	\$742.68	0610377103350	1
RCX6923	Stator - 1/2 Hp 24/50/60 Leeson	\$373.60	0610377069298	1
RCX7	Float - 2' Rope 30"	\$65.52	0610377065368	1
RCX70100	Assembly - Filter Cartridge	\$92.39	0610377062046	1
RCX70102	Frame - Filter	\$33.44	0610377063630	1
RCX70200	Assembly - Filter, Antimicrobial	\$159.88	0610377096843	1
RCX70201	Set - Refill - Filter, Antimicrobial	\$74.56	0610377096850	5
RCX75000	Assembly - Bottom Lid	\$61.58	0610377063609	5
RCX75001	Lid - Bottom	\$15.36	0610377063524	5
RCX75002	Clip - Support	\$4.73	0610377064231	1
RCX75003	Plate - Locking	\$4.60	0610377062831	10
RCX75004	Clip - Follower	\$4.48	0610377064347	1
RCX75005	Flap - Inlet	\$4.21	0610377062473	10
RCX75006	Cover - Inlet	\$8.54	0610377064392	10
RCX76000	Assembly - Handle, QuickClean, Teal	\$54.22	0610377062466	5
RCX76020	Float - Handle, (Qty of 2)	\$10.61	0610377070201	10
RCX7800DC	Assembly - Filter, MS2 DC	\$308.87	0610377109055	1
RCX7800G	Assembly - Filter, KS	\$357.94	0610377065092	1
RCX78005	Gasket - Filter, Bottom Lid	\$20.24	0610377062138	10
RCX7801	Assembly - Filter Body	\$114.60	0610377064590	1
RCX7801P	Assembly - Filter, Body Gray	\$234.07	0610377064859	1
RCX7802	Adapter - Handle Riser	\$15.83	0610377063463	10
RCX7802B	Handle - Riser Hat	\$6.50	0610377064514	10
RCX7803	Clip - Queen Tie Rod Push	\$7.90	0610377061896	10
RCX7804A	Screw - #8-32 x 3/4" Fillister HD SS	\$2.39	0610377063715	10
RCX780482	Ring - Adapter, Clamp NS	\$22.65	0610377064538	10
RCX7805	Handle - Queen Plastic	\$12.93	0610377064187	10
RCX7806	Pin - Handle for AQ	\$12.21	0610377064194	10
RCX7807	Cartridge - Filter, MS2, KS (Qty of 2)	\$64.93	0610377061957	5
RCX7807L	Cartridge - Filter, KS (Qty of 2)	\$80.15	0610377062428	5
RCX7808PC	Rod - Tie Filter	\$26.45	0610377063760	10
RCX7809	Knob - Filter, Small, Q, P, K, C	\$9.41	0610377062442	10
RCX781093	Plate - Back, MS2 NS	\$48.01	0610377064361	1
RCX781093G	Assembly - Filter Cover Back Plate	\$61.85	0610377064620	1
RCX7813	Gasket - Oval, 1/4" Q, LP.C	\$4.14	0610377062008	10
RCX7815	Rod - Tie, Filter, Queen NS	\$25.90	0610377062503	10
RCX7825	Adapter - Ring, Clamp No Hole	\$12.11	0610377064989	10
RCX79000	Kit - Service Tool, TS	\$797.14	0610377069359	1
RCX79002	Wrench - Spanner	\$95.00	0610377069366	1
RCX79003	Spreader - Belt	\$148.77	0610377069373	5
RCX79005	Screwdriver - Torque, Seekonk BT	\$400.42	0610377069397	3
RCX79006	Tool - Pin Extractor	\$65.84	0610377069410	10
RCX80000	Scanner - Pin, TS, TS2	\$411.62	0610377069434	2
RCX8001	Cover - 3/8 NPT, Plug, Swivel	\$8.20	0610377066235	10
RCX8002	Assembly - Swivel, Service, KS2	\$616.85	0610377066242	1
RCX8005	Connector - Plug, Female	\$11.52	0610377066259	10
RCX8010	Connector - Plug, Male	\$10.64	0610377066266	10
RCX8023	Clamp - Snap Grip	\$8.20	0610377070898	10
RCX8025	Clamp - 1/2" Plastic Hose	\$4.95	0610377064828	10
RCX8030B	Shaft - Swivel, NS Barb End	\$62.44	0610377069465	1
RCX8055	Spring - Wave	\$11.43	0610377066297	1
RCX8130	Cover - Plug, AKC	\$7.95	0610377066303	10
RCX8140	Relief - Strain, Watertite Gland	\$10.24	0610377066310	10
RCX8145	Relief - Strain, Watertite Gland	\$10.14	0610377066327	10
RCX8150	Clamp - 3/4" Hose, KS2 Cord	\$6.20	0610377066334	10
RCX8180	Bracket - Mounting, Swivel	\$61.85	0610377066358	1
RCX8185	Bracket - Mounting, Swivel, Clamp	\$24.23	0610377066365	1
RCX8190	Adapter - Plug, Plate	\$12.80	0610377066372	10
RCX8202	Assembly - Swivel, KS2 Plus	\$691.14	0610377066389	1
RCX8325	Clamp - Swivel Cord, KS2, Gray	\$9.09	0610377066402	1
RCX97007	Assembly - Handle, AV Dark Gray	\$46.39	0610377118989	5
RCX9716	Solenoid Cover - Dark Gray	\$10.27	0610377083140	10
RCX9716DBL	Solenoid Cover - Dark Blue	\$9.53	0610377130561	1

# Commercial Flow Control

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>True Union Ball Valve Parts - TB Series</b>				
TUX1052	1/4," 3/8," 1/2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	\$12.31	0610377006224	1
TBX10752	3/4" PVC True Union Ball Valve Assembly Nut (Qty of 1)	\$10.74	0610377849500	1
TBX11002	1" PVC True Union Ball Valve Assembly Nut (Qty of 1)	\$10.74	0610377032957	1
TBX11502	1-1/4" - 1-1/2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	\$21.32	0610377779128	1
TBX122	2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	\$26.25	0610377776097	1
TBX132	2-1/2" - 3" PVC True Union Ball Valve Assembly Nut (Qty of 1)	\$62.10	0610377193047	1
TBX142	4" PVC True Union Ball Valve Assembly Nut (Qty of 1)	\$136.58	0610377193061	1
TUX100254S	1/4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$12.31	0610377193689	1
TUX100254T	1/4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$12.31	0610377193696	1
TUX100374S	3/8" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$12.31	0610377193702	1
TUX100374T	3/8" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$12.31	0610377193719	1
ECX15S	1/2" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$12.31	0610377191524	1
ECX15T	1/2" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$12.31	0610377191531	1
ECX17S	3/4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$13.84	0610377191548	1
ECX17T	3/4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$13.84	0610377191555	1
ECX11S	1" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$15.86	0610377191425	1
ECX11T	1" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$15.86	0610377191432	1
ECX112S	1-1/4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$23.81	0610377730457	1
ECX112T	1-1/4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$23.81	0610377717076	1
ECX115S	1-1/2" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$25.78	0610377191449	1
ECX115T	1-1/2" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$25.78	0610377191456	1
ECX12S	2" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$32.82	0610377191463	1
ECX12T	2" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$32.82	0610377191470	1
ECX13S	3" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$75.99	0610377191487	1
ECX13T	3" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$75.99	0610377191494	1
ECX14S	4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	\$148.72	0610377191500	1
ECX14T	4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	\$148.72	0610377191517	1
TUX101004F	1" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$97.21	0610377120654	1
TUX101254F	1-1/4" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$97.21	0610377105002	1
TUX101504F	1-1/2" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$105.61	0610377193795	1
TUX102004F	2" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$156.68	0610377196147	1
TUX103004F	3" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$226.14	0610377193825	1
TUX104004F	4" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$450.18	0610377193849	1
SRX15	1/4," 3/8," 1/2" PVC True Union Ball Valve Seal Retainer	\$7.90	0610377192682	1
SRX11	1" PVC True Union Ball Valve Seal Retainer	\$8.17	0610377192651	1
SRX115	1-1/4" - 1-1/2" PVC True Union Ball Valve Seal Retainer	\$12.46	0610377060950	1
SRX12002	2" PVC True Union Ball Valve Seal Retainer	\$14.65	0610377746267	1
SRX13	3" PVC True Union Ball Valve Seal Retainer	\$45.58	0610377192668	1
SRX14	4" PVC True Union Ball Valve Seal Retainer	\$103.12	0610377192675	1
TBX1050PAK	1/4," 3/8," 1/2" Ball, Stem and Handle Kit for True Union Ball Valve	\$23.51	0610377116022	1
TBX1075PAK	3/4" Ball, Stem and Handle Kit for True Union Ball Valve	\$24.87	0610377116039	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>True Union Ball Valve Parts - TB Series, continued</b>				
TBX1100PAK	1" Ball, Stem and Handle Kit for True Union Ball Valve	\$32.18	0610377116046	1
TBX1150PAK	1-1/4" - 1-1/2" Ball, Stem and Handle Kit for True Union Ball Valve	\$39.30	0610377116060	1
TBX1200PAK	2" Ball, Stem and Handle Kit for True Union Ball Valve	\$57.89	0610377116077	1
TBX1300PAK	3" Ball, Stem and Handle Kit for True Union Ball Valve	\$167.68	0610377195713	1
TBX1400PAK	4" Ball, Stem and Handle Kit for True Union Ball Valve	\$229.76	0610377195737	1
HLX23	1/4," 3/8," 1/2," 3/4" Orange Handle Replacement for True Union Ball Valve	\$16.28	0610377114318	1
HLX24	1" Orange Handle Replacement for True Union Ball Valve	\$19.26	0610377114325	1
HLX22	1-1/4," 1-1/2," 2" Orange Handle Replacement for True Union Ball Valve	\$19.26	0610377114301	1
TBX138	3" Orange Handle Replacement for True Union Ball Valve	\$33.14	0610377193054	1
TBX148	4" Orange Handle Replacement for True Union Ball Valve	\$33.14	0610377193078	1
TBX050PAKE	1/4," 3/8," 1/2" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	\$25.41	0610377115971	1
TBX075PAKE	3/4" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	\$29.52	0610377115988	1
TBX100PAKE	1" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	\$35.11	0610377116015	1
TBX150PAKE	1-1/4" - 1-1/2" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	\$47.57	0610377116114	1
TBX200PAKE	2" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	\$64.14	0610377116145	1
TBX300PAKE	3" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	\$107.06	0610377195850	1
TBX400PAKE	4" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	\$228.25	0610377195881	1
<b>True Union 3-Way Ball Valve Parts</b>				
HLX23	1/2," 3/4" 3-Way True Union Ball Valve Handle Replacement	\$16.28	0610377114318	1
TWX1HL1	1" 3-Way True Union Ball Valve Handle Replacement	\$18.44	0610377135016	1
TWX1HL2M	1-1/4," 1-1/2," 2" 3-Way True Union Ball Valve Handle Replacement	\$18.44	0610377122658	1
LAX1HL3	2-1/2," 3" 3-Way True Union Ball Valve Handle Replacement	\$55.65	0610377078641	1
LAX1HL4	4," 6" 3-Way True Union Ball Valve Handle Replacement	\$61.16	0610377007450	1
TWX15PAK	1/2" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	\$61.16	0610377871129	1
TWX17PAK	3/4" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	\$66.70	0610377871136	1
TWX11PAK	1" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	\$78.33	0610377871167	1
TWX12PAK	1-1/4," 1-1/2," 2" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	\$88.99	0610377871174	1
TWX13PAK	2-1/2," 3" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	\$252.11	0610377871181	1
TWX14PAK	4," 6" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	\$320.59	0610377871198	1
NTX100503B	1/2" PVC 3-Way True Union Ball Valve TN Ball	\$69.49	0610377192002	1
NTX100753B	3/4" PVC 3-Way True Union Ball Valve TN Ball	\$93.59	0610377742658	1
NTX101003B	1" PVC 3-Way True Union Ball Valve TN Ball	\$145.69	0610377192019	1
NTX102003B	1-1/4," 1-1/2," 2" PVC 3-Way True Union Ball Valve TN Ball	\$216.26	0610377192026	1
NTX103003B	2-1/2," 3" PVC 3-Way True Union Ball Valve TN Ball	\$293.80	0610377192033	1
NTX104003B	4," 6" PVC 3-Way True Union Ball Valve TN Ball	\$657.06	0610377192040	1
TUX1052	1/2" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	\$12.31	0610377006224	1
TBX10752	3/4" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	\$10.74	0610377849500	1
TBX11002	1" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	\$10.74	0610377032957	1
TBX122	1-1/4," 1-1/2," 2" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	\$26.25	0610377776097	1
TBX132	2-1/2," 3" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	\$45.43	0610377190787	1
TBX142	4" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	\$136.58	0610377193061	1
BSX142	4" PVC 3-Way True Union Ball Valve Assembly Nut Required for 3rd Port (Qty of 1)	\$79.16	0610377870733	1
ECX15S	1/2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$12.31	0610377191524	1
ECX17S	3/4" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$13.84	0610377191548	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>True Union 3-Way Ball Valve Parts, continued</b>				
ECX11S	1" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$15.86	0610377191425	1
SBX1EC12S	1-1/4" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$44.20	0610377870757	1
SBX1EC15S	1-1/2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$32.16	0610377870764	1
ECX12S	2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$32.82	0610377191463	1
ECX125S	2-1/2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$77.83	0610377723275	1
ECX13S	3" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$75.99	0610377191487	1
ECX14S	4" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	\$148.72	0610377191500	1
ECX14SBS	4" PVC 3-Way True Union Ball Valve Socket End Connector Required for 3rd Port (Qty of 1)	\$118.63	0610377870795	1
ECX15T	1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$12.31	0610377191531	1
ECX17T	3/4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$13.84	0610377191555	1
ECX11T	1" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$15.86	0610377191432	1
SBX1EC12T	1-1/4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$44.05	0610377870788	1
SBX1EC15T	1-1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$32.16	0610377870771	1
ECX12T	2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$33.66	0610377191470	1
ECX125T	2-1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$77.78	0610377686594	1
ECX13T	3" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$75.99	0610377191494	1
ECX14T	4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	\$148.72	0610377191517	1
ECX14TBS	4" PVC 3-Way True Union Ball Valve Threaded End Connector Required for 3rd Port (Qty of 1)	\$118.63	0610377870801	1
TUX100504F	1/2" PVC 3-Way True Union Ball Valve Flanged End Connector (Qty of 1)	\$62.69	0610377138420	1
TUX100754F	3/4" PVC 3-Way True Union Ball Valve Flanged End Connector (Qty of 1)	\$101.94	0610377673938	1
TUX101004F	1" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$97.21	0610377120654	1
TUX101254F	1-1/4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$97.21	0610377105002	1
TUX101504F	1-1/2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$105.61	0610377193795	1
TUX102004F	2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$156.68	0610377196147	1
TUX102504F	2-1/2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$161.28	0610377117371	1
TUX103004F	3" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$226.14	0610377193825	1
TUX104004F	4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$450.18	0610377193849	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector required for 3rd Port (Qty of 1)	\$420.68	0610377138338	1
TUX106004F	6" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	\$509.72	0610377130790	1
LAX164F	6" PVC 3-Way True Union Ball Valve Flanged End Connector required for 3rd Port (Qty of 1)	\$509.72	0610377138345	1
LAX5PAKE	1/2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	\$12.39	0610377870894	1
LAX7PAKE	3/4" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	\$12.85	0610377870900	1
LAX1PAKE	1" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	\$13.44	0610377870917	1
LAX2PAKE	1-1/4," 1-1/2," 2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	\$19.21	0610377870924	1
LAX3PAKE	2-1/2," 3" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	\$43.78	0610377870931	1
LAX4PAKE	4," 6" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	\$74.19	0610377870948	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>True Union Ball Check Valve Parts - TC Series</b>				
TCX100503	1/2" PVC Ball for True Union Ball Check Valve	\$7.49	0610377193276	1
TCX100753	3/4" PVC Ball for True Union Ball Check Valve	\$14.50	0610377193290	1
TCX101003	1" PVC Ball for True Union Ball Check Valve	\$17.19	0610377193313	1
TCX101253	1-1/4" PVC Ball for True Union Ball Check Valve	\$21.47	0610377193337	1
TCX101503	1-1/2" PVC Ball for True Union Ball Check Valve	\$24.06	0610377193344	1
TCX102003	2" PVC Ball for True Union Ball Check Valve	\$67.54	0610377193351	1
TCX103003	2-1/2" PVC Ball for True Union Ball Check Valve	\$127.03	0610377193313	1
TCX103003	3" PVC Ball for True Union Ball Check Valve	\$127.03	0610377193368	1
TCX104003	4" PVC Ball for True Union Ball Check Valve	\$527.99	0610377193375	1
TCX0050PAKE	1/2" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$18.37	0610377195959	1
TCX0075PAKE	3/4" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$22.19	0610377195973	1
TCX0100PAKE	1" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$22.36	0610377195997	1
TCX0125PAKE	1-1/4" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$29.89	0610377196017	1
TCX0150PAKE	1-1/2" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$36.27	0610377196031	1
TCX0200PAKE	2" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$47.25	0610377196055	1
TCX300PAKE	2-1/2," 3" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$72.39	0610377196116	1
TCX400PAKE	4" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	\$128.26	0610377196130	1
<b>BYV Series Butterfly Valve Parts</b>				
BYXV3HLKIT	2" BYV Lever Assembly	\$126.32	0610377254632	1
BYXV3HLKIT	2-1/2" BYV Lever Assembly	\$126.32	0610377254632	1
BYXV3HLKIT	3" BYV Lever Assembly	\$126.32	0610377254632	1
BYXV4HLKIT	4" BYV Lever Assembly	\$126.32	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assembly	\$146.26	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assembly	\$146.26	0610377254717	1
BYXVTP4	2" - 4" BYV Throttle Plate	\$39.89	0610377254779	1
BYXVTP8	6" - 8" BYV Throttle Plate	\$66.48	0610377254786	1
BYXV020KITE	2" BYV Valve EPDM Liner and Seal Kit	\$114.61	0610377244398	1
BYXV025KITE	2-1/2" BYV Valve EPDM Liner and Seal Kit	\$121.06	0610377244404	1
BYXV030KITE	3" BYV Valve EPDM Liner and Seal Kit	\$127.45	0610377244411	1
BYXV040KITE	4" BYV Valve EPDM Liner and Seal Kit	\$176.84	0610377244428	1
BYXV060KITE	6" BYV Valve EPDM Liner and Seal Kit	\$224.91	0610377244435	1
BYXV080KITE	8" BYV Valve EPDM Liner and Seal Kit	\$354.81	0610377244497	1
BYXV100KITE	10" BYV Valve EPDM Liner and Seal Kit	\$714.15	0610377244503	1
BYXV120KITE	12" BYV Valve EPDM Liner and Seal Kit	\$804.43	0610377244510	1
BYXV030ORKITE	2" - 3" BYV VLV EPDM O-ring WS Kit	\$15.16	0610377254878	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>BYV Series Butterfly Valve Parts, continued</b>				
BYXV040ORKITE	4" BYV VLV EPDM O-ring WS Kit	\$17.55	0610377254885	1
BYXV060ORKITE	6" BYV VLV EPDM O-ring WS Kit	\$20.74	0610377254892	1
BYXV080ORKITE	8" BYV VLV EPDM O-ring WS Kit	\$24.73	0610377254908	1
BYXV100ORKITE	10" BYV VLV EPDM O-ring WS Kit	\$29.52	0610377254915	1
BYXV120ORKITE	12" BYV VLV EPDM O-ring WS Kit	\$35.10	0610377254922	1
BYXV10202	2" BYV Valve Disc PVC	\$84.30	0610377243872	1
BYXV10252	2-1/2" BYV Valve Disc PVC	\$93.54	0610377243889	1
BYXV10302	3" BYV Valve Disc PVC	\$116.94	0610377243896	1
BYXV10402	4" BYV Valve Disc PVC	\$120.00	0610377243902	1
BYXV10602	6" BYV Valve Disc PVC	\$176.84	0610377243919	1
BYXV10802	8" BYV Valve Disc PVC	\$240.00	0610377243933	1
BYXV11002	10" BYV Valve Disc PVC	\$265.93	0610377243940	1
BYXV11202	12" BYV Valve Disc PVC	\$299.17	0610377243957	1

**Butterfly Valve Parts - BYCN Series**

LEX2B	2" 2-1/2" Lever Handle Replacement For Butterfly Valve (BYCN)	\$15.93	0610377209205	1
LEX4B	3" 4" Lever Handle Replacement For Butterfly Valve (BYCN)	\$18.12	0610377207270	1
LEX6B	5" 6" 8" Lever Handle Replacement For Butterfly Valve (BYCN)	\$32.11	0610377209212	1

**Basket Strainer Parts**

BSX1111ASSYE	1/2" - 1" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	\$61.21	0610377872522	1
BSX1211ASSYE	1-1/4" - 2" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	\$94.85	0610377872591	1
BSX1411ASSYE	2-1/2" - 4" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	\$148.11	0610377872614	1
BSX1611ASSYE	6" - 8" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	\$341.69	0610377872652	1
BSX1PLUG2	1/2" - 2" PVC Simplex or Duplex Plug Replacement w/FPM O-ring	\$28.88	0610377872768	1
BSX1PLUG2E	2-1/2" - 8" PVC Simplex or Duplex Plug Replacement w/EPDM O-ring	\$23.64	0610377872775	1

**Basket Strainers: Simplex and Duplex Extra/Replacement Baskets**

BS11001/32	1/32" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$217.59	0610377659635	1
BS11001/16	1/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$217.59	0610377797665	1
BS11001/8	1/8" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$217.59	0610377797917	1
BS11003/16	3/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$217.59	0610377797924	1
BS71020	20 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377111584	1
BS71040	40 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377111614	1
BS71060	60 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377111621	1
BS71080	80 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377111638	1
BS710100	100 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377111577	1
BS7101/32	1/32" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377017398	1
BS7101/16	1/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377017411	1
BS7101/8	1/8" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377017466	1
BS7103/16	3/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	\$419.33	0610377017596	1
BS12001/32	1/32" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$273.41	0610377793063	1
BS12001/16	1/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$273.41	0610377111355	1
BS12001/8	1/8" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$273.41	0610377793070	1
BS12003/16	3/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$273.41	0610377793087	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Basket Strainers: Simplex and Duplex Extra/Replacement Baskets, continued</b>				
BS72020	20 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	061037711829	1
BS72040	40 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	061037711850	1
BS72060	60 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	061037711867	1
BS72080	80 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	061037711874	1
BS720100	100 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	061037711812	1
BS7201/32	1/32" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	0610377018654	1
BS7201/16	1/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	0610377018685	1
BS7201/8	1/8" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	0610377018777	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	\$520.18	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$695.65	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$695.65	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$695.65	0610377693257	1
BS14003/16	3/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$695.65	0610377852586	1
BS74020	20 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377060691	1
BS74040	40 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377081870	1
BS74060	60 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377112086	1
BS74080	80 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377072052	1
BS740100	100 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377057233	1
BS7401/32	1/32" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377018500	1
BS7401/16	1/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377018524	1
BS7401/8	1/8" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377018555	1
BS7403/16	3/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	\$1,109.81	0610377018579	1
BS16001/32	1/32" PVC Perf Basket Replacement for 6" Strainers	\$1,975.30	0610377298087	1
BS16001/16	1/16" PVC Perf Basket Replacement for 6" Strainers	\$1,975.30	061037726443	1
BS16001/8	1/8" PVC Perf Basket Replacement for 6" Strainers	\$1,975.30	0610377149860	1
BS16003/16	3/16" PVC Perf Basket Replacement for 6" Strainers	\$1,975.30	0610377149877	1
BS76001420	20 MESH 316 SS Basket Replacement for 6" Strainers	\$2,152.66	0610377151221	1
BS76001440	40 MESH 316 SS Basket Replacement for 6" Strainers	\$2,152.66	0610377151252	1
BS76001480	60 MESH 316 SS Basket Replacement for 6" Strainers	\$2,152.66	0610377151276	1
BS76001460	80 MESH 316 SS Basket Replacement for 6" Strainers	\$2,152.66	0610377151269	1
BS760014100	100 MESH 316 SS Basket Replacement for 6" Strainers	\$2,152.66	0610377151214	1
BS76001/32	1/32" 316 SS Perf Basket Replacement for 6" Strainers	\$2,303.85	0610377151184	1
BS76001/16	1/16" 316 SS Perf Basket Replacement for 6" Strainers	\$2,303.85	0610377151160	1
BS76001/8	1/8" 316 SS Perf Basket Replacement for 6" Strainers	\$2,303.85	0610377151207	1
BS76003/16	3/16" 316 SS Perf Basket Replacement for 6" Strainers	\$2,303.85	0610377151283	1
BS18001/32	1/32" PVC Perf Basket Replacement for 8" Strainers	\$2,728.08	0610377790604	1
BS18001/16	1/16" PVC Perf Basket Replacement for 8" Strainers	\$2,728.08	0610377104777	1
BS18001/8	1/8" PVC Perf Basket Replacement for 8" Strainers	\$2,728.08	0610377149914	1
BS18003/16	3/16" PVC Perf Basket Replacement for 8" Strainers	\$2,728.08	0610377149921	1
BS78001420	20 MESH 316 SS Basket Replacement for 8" Strainers	\$2,941.24	0610377151405	1
BS78001440	40 MESH 316 SS Basket Replacement for 8" Strainers	\$2,941.24	0610377151436	1
BS78001460	60 MESH 316 SS Basket Replacement for 8" Strainers	\$2,941.24	0610377151443	1
BS78001480	80 MESH 316 SS Basket Replacement for 8" Strainers	\$2,941.24	0610377151450	1

Part Number	Size / Description	List Price	GTIN	Carton Qty
<b>Basket Strainers: Simplex and Duplex Extra/Replacement Baskets, continued</b>				
BS780014100	100 MESH 316 SS Basket Replacement for 8" Strainers	\$2,941.24	0610377151399	1
BS78001/32	1/32" 316 SS Perf Basket Replacement for 8" Strainers	\$3,149.62	0610377151368	1
BS78001/16	1/16" 316 SS Perf Basket Replacement for 8" Strainers	\$3,149.62	0610377151344	1
BS78001/8	1/8" 316 SS Perf Basket Replacement for 8" Strainers	\$3,149.62	0610377151382	1
BS78003/16	3/16" 316 SS Perf Basket Replacement for 8" Strainers	\$3,149.62	0610377151467	1

**Solenoid Valve Parts**

SVX1VCART	PVC Cartridge and FPM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	\$233.77	0610377739429	1
SVX1ECART	PVC Cartridge and EPDM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	\$220.65	0610377739405	1
SVX2VCART	CPVC Cartridge and FPM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	\$233.77	0610377739375	1
SVX2ECART	CPVC Cartridge and EPDM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	\$249.58	0610377739382	1
SVX452B	Bonnet Nut Replacement for 1/4" - 1/2" NPD Solenoid Valve	\$55.08	0610377308977	1
SVX5BCOIL120A	Coil 120 Volt Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	\$436.10	0610377862745	1
SVX5BCOIL220A	Coil 220 Volt Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	\$711.95	0610377862752	1
SVX5BCOIL12A/D	Coil 12 VAC or 12 VDC Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	\$711.95	0610377862769	1
SVX5BCOIL24A/D	Coil 24 VAC or 24 VDC Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	\$711.95	0610377862776	1
SVX17VCART	PVC Cartridge and FPM Seal Kit for 3/4" - 1" NPD Solenoid Valve	\$257.61	0610377739443	1
SVX17ECART	PVC Cartridge and EPDM Seal Kit for 3/4" - 1" NPD Solenoid Valve	\$246.99	0610377739412	1
SVX27VCART	CPVC Cartridge and FPM Seal Kit for 3/4" - 1" NPD Solenoid Valve	\$257.61	0610377780476	1
SVX27ECART	CPVC Cartridge and EPDM Seal Kit for 3/4" - 1" NPD Solenoid Valve	\$246.99	0610377780483	1
SVX472B	Bonnet Nut Replacement for 3/4" - 1" NPD Solenoid Valve	\$70.91	0610377308960	1
SVX1BCOIL120A	Coil 120 Volt Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	\$451.81	0610377862783	1
SVX1BCOIL220A	Coil 220 Volt Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	\$727.88	0610377862790	1
SVX1BCOIL12A/D	Coil 12 VAC or 12 VDC Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	\$727.88	0610377862806	1
SVX1BCOIL24A/D	Coil 24 VAC or 24 VDC Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	\$727.88	0610377862813	1





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