

POOLCOMM® WIRELESS WEB-BASED MANAGEMENT

PoolComm is a revolutionary way to manage the water quality of multiple commercial pools and spas from a single remote location. This interface allows detailed monitoring and adjustment of pH, ORP, conductivity/NaCl, compliance documentation and more, all through the internet or PoolComm mobile app. Any computer, iPhone®, Android™ or web-enabled mobile device can manage a pool. The PoolComm App affords commercial pool servicers, operators and managers greater convenience and flexibility when monitoring water quality at their various facilities. The app is now available for FREE download on iPhone and Android.

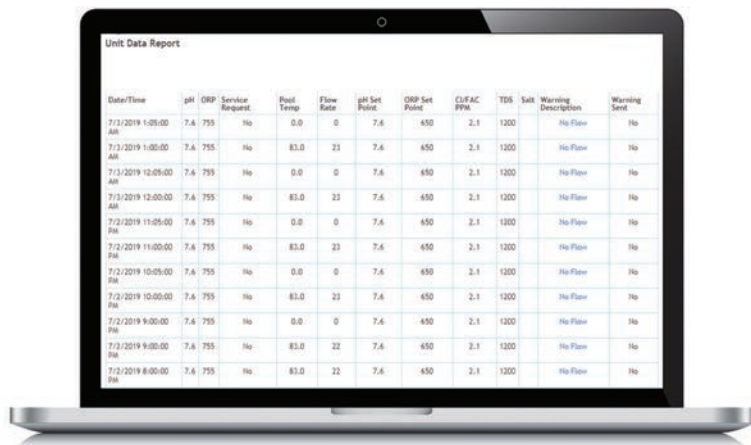
- » **Wi-Fi® communications option** allows free access to PoolComm anytime
- » **Cellular communication** requires seasonal or annual paid subscription
- » **Get direct control of systems** from any web browser
- » **Monitor and display** multiple facilities simultaneously
- » **Customize monitoring data** to display
- » **Receive near real-time detection** of pH and ORP problems
- » **Get color-coded alarm display**, with notification by email or SMS
- » **Promote customer satisfaction** by proactively solving problems



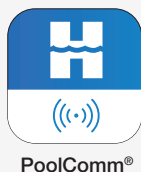
**NOW MONITORS
CL, SALT & TDS
READINGS**



HAYWARD.COM/POOLCOMMAPPPTUTORIAL
Watch the PoolComm App Tutorial



REMOTE WATER QUALITY
MANAGEMENT AT YOUR FINGERTIPS.



Download FREE
PoolComm App for
iPhone or Android.



HCC 4000 WIRELESS WATER CHEMISTRY CONTROLLER

The HCC 4000 Series controllers offer affordable, wireless water chemistry control to ensure safe and comfortable pH/ORP levels. Featuring customizable chemical feed mixing, it's simple to set the length and frequency of feed times for more consistent pH and sanitization levels. HCC 4000 controllers are the only HCC Series controllers that are compatible with the Hayward® PoolComm® app—meaning remote access, monitoring and control of commercial pool water quality is possible from any web-enabled device.



Certified to
NSF/ANSI CAN 50



- » **Wireless design** can transmit an infinite amount of chemical reading data to the Hayward PoolComm app
- » **Comes completely assembled** for fast, easy installation
- » **Includes sensors and an in-line strainer** for additional protection
- » **Internally stores and displays** daily average chemical readings for up to 10 days
- » **Calculates derived free chlorine** and displays PPM
- » **1-year limited warranty** on wearables and sensors
- » **NEW 3-year limited warranty** on controller
- » **pH & ORP** Programmable Mixing Time Settings
- » **NSF/ANSI Standard 50 Certified**

PART NUMBERS	DESCRIPTION	CARTON	
		QTY	WEIGHT
HCC4000WIFI	HCC 4000 Hayward Chemistry Controller — pH and ORP — with Wi-Fi with derived PPM Readout of Chlorine	1	15 lbs.
HCC4000WIFIAU (Salt Applications)	HCC 4000 Hayward Chemistry Controller—pH and ORP—with Wi-Fi and Gold ORP Sensor with derived PPM Readout of Chlorine	1	15 lbs.



HCC 2000 AUTOMATED PH/ORP CONTROLLER

The HCC 2000 Series are powerful yet affordable microprocessor-based pH/ORP controllers. The controllers feature proportional feed to ensure precise water chemistry and reduced maintenance. The HCC 2000 complete package is complemented by reliable chemical feed equipment, providing the ultimate one-stop-shop experience. This water chemistry controller package comes complete with flow cell, flow sensor and pre-mounted peristaltic feed pumps for pH and chlorine adjustment.



- » **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 CO²
- » **Simple-to-operate user interface** with easy-to-read LED display
- » **Complete package offers** a total chemical automation system for easy installation and ultimate convenience
- » **1-year limited warranty** on controller and sensors
- » **NSF/ANSI Standard 50 Certified**
(HCC2000 and HCC2000-AU models only)



HCC2000-CP

HCC2000

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCC2000	HCC 2000 pH and ORP Water Chemistry Controller	1	11.0
HCC2000-AU (Salt Application)	HCC 2000 pH and ORP Controller with Gold ORP Sensor	1	11.0
HCC2000-CP	HCC 2000 pH and ORP Complete Package with Pre-mounted Chemical Feed Pumps	1	20.0

HCC 1000 AUTOMATED PH ONLY CONTROLLER

The HCC 1000 is a single channel pH water chemistry controller that provides powerful technology in a simple, affordable package. The controller ensures pH is precisely maintained to optimize chlorine effectiveness. The HCC 1000 features a pH sensor, water chemistry controller, flow cell and pressure sensor, all factory-assembled and pre-mounted on a durable PVC backboard. The complete package additionally includes a chemical feed pump mounted on the PVC backboard for ultimate convenience.



- » **Perfect for new and existing applications**, especially saltwater pools
- » **Proper pH maintenance** enhances chlorine effectiveness, bather comfort and safety
- » **Factory engineered, pre-configured** to ensure simple professional installation
- » **1-year limited warranty** on controller and sensors
- » **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCC1000-PH	HCC 1000 pH Controller	1	10.0

COMMERCIAL CHEMICAL AUTOMATION ACCESSORIES

PART NUMBER	PROBES AND PROBE ACCESSORIES
PRO15-10	SENSOR-PH, 10' CABLE
PRO15-2	SENSOR-PH, 2' CABLE
PRO25-10	SENSOR-ORP, 10' CABLE
PRO25-2	SENSOR-ORP, 2' CABLE
PRO25-AU-10	SENSOR-GOLD, ORP, 10' CABLE - SALT WATER APPLICATIONS
PRO25-AU-2	SENSOR-GOLD, ORP, 2' CABLE - SALT WATER APPLICATIONS
PRO55-2	CONDUCTIVITY PROBE TDS/NACL- 2' CABLE - CAT 3500 & 5500
PRO65	SENSOR ASSEMBLY, TDS, CAT 6000
PRO75	SENSOR ASSEMBLY, CI, CAT 6000
PS001	PROBE, SAVER
CAX20270	PROBE SAVER KIT W/ BNC CABLE
AC0317	ADAPTOR, BNC SENSOR CONNECTOR
CO ₂ CONTROL ACCESSORIES	
AC003	SYSTEM-RESIDENTIAL, CO ₂ , PH
AC004	SYSTEM-STANDARD OUTPUT, CO ₂
AC005	SYSTEM-HIGH OUTPUT, CO ₂
AC006	SWITCHOVER-AUTO, CO ₂
SOLENOID VALVES (EROSION FEEDERS & AUTO-FILLS)	
AC015	VALVE-BRASS, 110 VAC, 3/4 IN
AC018	VALVE-STAINLESS, 110 VAC, 3/8IN
CHEMICAL FEED PUMPS (NO CHEM STORAGE VAT)	
AC025	PUMP-PERI, VARIABLE OUTPUT, 50 GPD, 120V Cord
AC030	PUMP-PERI, FIXED OUTPUT, 50 GPD, 120V Cord
AC035	PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD, 120V Cord
AC03590120	PUMP, PERI, FIX 31 GPD, HCC2000-CP Replacement Pump Only (No Plug, Hardwired)
CHEMICAL FEED PUMP & CHEMICAL TANK COMBO	
PTCRES	COMBO-15GAL TANK, PERIPUMP 45MP1 (SPAs)
PTC15	COMBO-15GAL TANK, PUMP-PERI, VARIABLE OUTPUT, 50 GPD
PTC30	COMBO-30GAL TANK, PUMP-PERI, VARIABLE OUTPUT, 50 GPD
AQL-CHEM4-ACID	PH DISPENSE,ACID FEED SYS, 120V, PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD
AQL-CHEM4-CHLOR	LIQUID CHLORINE DISPENSE, 120V, PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD
COMPLETE CONTROLLER SAMPLE VESSEL KITS	
AC063	PLASTIC MOLDED FLOWCELL COMPLETE KIT (STANDARD PACK & HCC CONTROLLERS)
AC065	PLASTIC MOLDED FLOWCELL COMP FOR CONDUCTIVITY SENSOR (STANDARD PACK, 3500 & 5500)
AC075	ACRYLIC FLOWCELL COMPLETE MACHINED, RFS (PROFESSIONAL PACKAGE)
AC080	ACRYLIC FLOWCELL COMP FOR CONDUCTIVITY SENSOR (PROFESSIONAL PACK, 3500 & 5500)
AC090	FLOW CELL-ASSEMBLD LESS SENSOR - CAT 6000

PART NUMBER	PROBES AND PROBE ACCESSORIES
TEMPERATURE SENSOR	
AC316	TEMPERATURE SENSOR, CAT 5000
AC320	CBL, 15FT TEMP. SENSOR EXTENSION
AC325	CBL, 30FT TEMP.SENSOR EXTENSION
FLOW SENSOR	
DF010	METER-FLOW,DIGITAL
DF015	CABLE-EXT, DIG FLOW METER, 15FT
DFE25	CABLE-EXT, DIG FLOW METER, 25FT
DF030	CABLE-EXT, DIG FLOW METER, 50FT
DFE50	CABLE-EXT, DIG FLOW METER, 30FT
DIGITAL LEVEL SENSOR (WATER & CHEMICAL LEVELS)	
LS010	SENSOR-OPTICAL, LEVEL
LS020	KIT-LS010,TOP MOUNT
LSE25	CABLE-EXT, OPT FLOW SENSOR 25FT
LSE50	CABLE-EXT, OPT FLOW SENSOR 50FT
COMMUNICATION ACCESSORIES	
RA030W	ANTENNA, WIFI, REM, 2.5GH W/10FT CABLE
RA035C	ANTENNA, CELL, REM, PENTA W/10FT CABLE
RFK-C4000-CELL	CELL TRANSCVR RETROFIT-KIT W/NEW FW FOR CAT4000



PTC15



BACKUP SANITIZER RELAY BOX

AC006 – AUTO-SWITCHOVER

The Hayward Commercial CO₂ Auto-Switchover System detects a low supply of CO₂ gas and automatically switches to the reserve cylinder. Entirely mechanical in design the unit provides a visual "cylinder in use" indicator and twin pressure gauges.

The Auto Switchover works with the CAT CO₂ pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO₂ forms carbonic acid (H₂CO₂), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the Auto-Switchover with the CO₂ pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.

- » Doubles the tank changeover interval
- » Twin tank pressure gauges
- » Visual "tank in use" indicator
- » Compatible with all Hayward Commercial® CO₂ pH control systems CO₂



AC004 – STANDARD OUTPUT CO₂ SYSTEM

The CAT CO₂ pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO₂ forms carbonic acid (H₂CO₂), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the CO₂ pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.

- » Integrated pressure regulator and flow meter
- » Adjustable flow control, 0-38 SCFH
- » Pre-wired stainless steel solenoid valve
- » High pressure flexible tubing, speedfit connectors and PVC check valve included
- » Compatible with all CAT Controllers
- » Manufactured in the USA

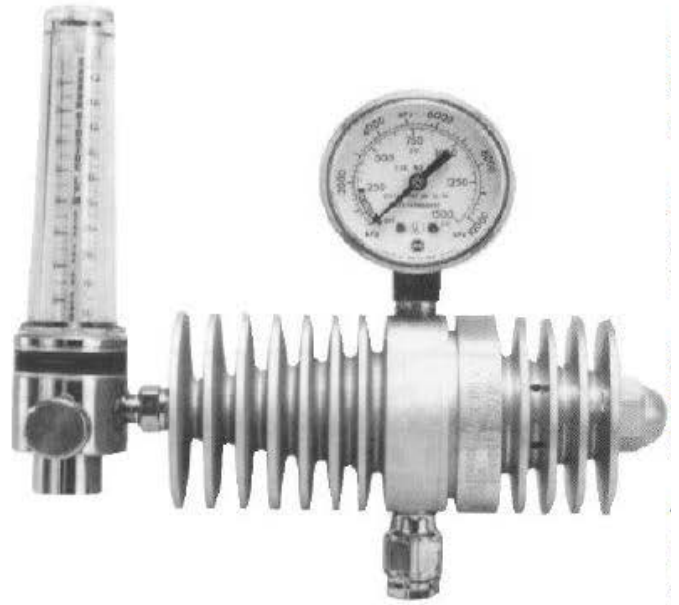


AC005 – HIGH OUTPUT CO₂ SYSTEM

The CAT CO₂ pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO₂ forms carbonic acid (H₂CO₃), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the CO₂ pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.

- » Integrated pressure regulator and flow meter
- » Adjustable flow control, 0 - 100 SCFH
- » Pre-wired stainless steel solenoid valve
- » High pressure flexible tubing, speedfit connectors and PVC check valve included
- » Compatible with all CAT Controllers
- » Manufactured in the USA



	AC004 - STANDARD SIZED REGULATOR	AC005 - HIGH CAPACITY REGULATOR
Regulator	Single Stage - Max Inlet 1500 psi Factory preset 80 psi outlet	Single Stage - Max Inlet 1500 psi. Factory preset 80 psi outlet
Flowmeter	Adjustable 0-38 SCFH Without freeze-up	Adjustable 0 - 100 SCFH Without freeze-up
Solenoid Valve	Stainless steel, 1/8 1" FPT 750 psi rating	Stainless steel, 1/8" FPT 750 psi rating
Tubing and Connectors	Polyethylene 3/8" OD, 1/4" ID Working pressure 125 psi	Polyethylene 3/8" OD, 1/4" ID Working pressure 125 psi
Injector	PVC Check Valve Buna-N seals 1 psi cracking pressure	PVC Check Valve Buna-N sea ls 1 psi cracking pressure



Commercial Sanitization

With our sanitization solutions, commercial pools and spas benefit from the clearest, safest water possible. Our Saline C® Series salt chlorine generators meet commercial demands while delivering the same natural comforts of salt chlorination so common in the residential market. Plus, you can pair our salt chlorinators and secondary disinfection systems with CAT Controllers® for a completely automated sanitization solution.

HYDRORITE® UV COMMERCIAL ULTRAVIOLET SECONDARY AND SUPPLEMENTAL SYSTEMS

Experience safer, softer water with advanced Dual-Wavelength UV (185nm & 254nm) technology that targets chlorine-resistant microorganisms and reduces skin-irritating chloramines by up to 50%. Designed for efficiency, the system features low-pressure lamps and a 120V input to conserve energy without reducing chlorine performance. This reduces operational costs and extends salt cell life by minimizing chlorine demand.

Its compact, lightweight, single-vessel design allows for flexible in-line installation—whether vertical or horizontal—making setup quick and hassle-free. The unit's clean, intuitive interface ensures ease of use at a glance, even for first-time operators. Built for long-term savings and reliable performance, this system simplifies sanitation while delivering clear results. Perfect for operators looking to maximize water quality, efficiency and user convenience—all in one solution.



LOW-RISK INVESTMENT FOR HIGH-RISK ENVIRONMENTS.

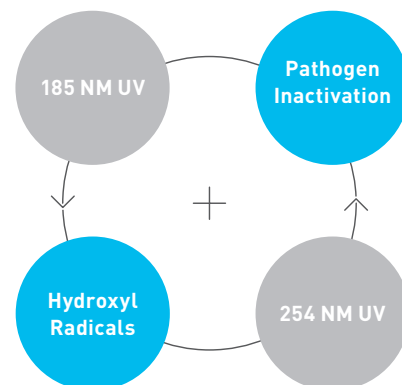
- » **Supplemental and/or secondary disinfection** as recommended by the CDC Model Aquatic Health Code (MAHC)
- » **Reduces irritating chloramines 50% or more**, improving indoor air quality and swimmer comfort
- » **Reduces chemical demand 50% or more**, lowering operating costs and extending salt cell life
- » **Low-pressure UV bulbs** provide sterilization and oxidation with little or no impact on chlorine level
- » **Lightweight construction** uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance
- » **Intuitive, plug-and-play design** is easy to navigate and conserves energy with 120V power input
- » **Extended lamp life** rated for 13,000 hours, more than double the time for comparable medium-pressure systems

STAY ON THE SAFEST SIDE OF SANITIZATION

High bather loads create higher bacteria levels—most left untreated by chlorine alone. As a proactive measure, the U.S. Centers for Disease Control has created the MAHC, which highly recommends the use of UV as a supplemental disinfectant treatment in every commercial pool. Hayward's HydroRite UV ensures that commercial facilities stay on the cutting-edge of swimmer safety by using 3-log reduction—a standard set by the EPA—to reduce RWIs caused by Cryptosporidium and other harmful chlorine-resistant microorganisms.

INSIDE THE VESSEL—BEHIND THE SCENES.

- 1 Dual-wavelength amalgam lamps produce germicidal UV.
- 2 The treated water is exposed to **ultraviolet rays** that inactivate algae, bacteria and viruses.
- 3 The germicidal UV creates hydroxyl free radicals (which have more oxidation potential than ozone) in a process known as **Advanced Oxidation Process (AOP)**.



NSF-50 CERTIFIED MODELS FOR
SUPPLEMENTAL DISINFECTION

PART NUMBER	MAX FLOW RATE (GPM)
HYR75	Up to 61
HYR150	Up to 150
HYR400	Up to 350

CRYPTO CERTIFIED MODELS FOR
SECONDARY DISINFECTION

PART NUMBER	MAX FLOW RATE (GPM)
HYR75L4	Up to 58
HYR150L4	Up to 126
HYR400L4	Up to 333

Head loss curves for each model/chamber size are available in the user manual for design reference.

Kills Cryptosporidium* using dual-wavelength UV (185/254 nm) to produce hydroxyl radicals.

Supplemental and/or secondary disinfection, as recommended by the CDC Model Aquatic Health Code (MAHC).

Reduces irritating chloramines significantly, improving indoor air quality and swimmer comfort.

Low-pressure UV bulbs provide sterilization and oxidation with little or no impact on chlorine level.



Simple plug-and-play design is easy to navigate and conserves energy with 120V power input.

Lightweight construction uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance.

Extended lamp life rated for 13,000 hours, more than double the time for comparable medium-pressure systems.

TECHNICAL SPECIFICATIONS - NSF 50 LISTED SECONDARY MODELS

PART NUMBER	HYR75L4	HYR150L4	HYR400L4
Sanitization	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	21" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" PVC T-Fitting With Embedded Flow Switch	1/2" NPT Threaded Flow Switch (No PVC Fitting Includ.)	1/2" NPT Threaded Flow Switch (No PVC Fitting Includ.)
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40° F to 104° F	40° F to 104° F	40° F to 104° F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 58 GPM	Up to 126 GPM	Up to 333 GPM
Installation Environment	Indoor use	Indoor use	Indoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months
Display	Touch menu driven with m ² or mW/cm ² UV intensity	Touch menu driven with m ² or mW/cm ² UV intensity	Touch menu driven with m ² or mW/cm ² UV intensity
Operating Measurements	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature
Auxiliary Relay	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM

*Excluding lamps, quartz sleeves and stainless steel insert

TECHNICAL SPECIFICATIONS - NSF 50 LISTED SUPPLEMENTAL MODELS

PART NUMBER	HYR75	HYR150	HYR400
Sanitization	>3-log removal of E. faecium and P. aeruginosa bacteria	>3-log removal of E. faecium and P. aeruginosa bacteria	>3-log removal of E. faecium and P. aeruginosa bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	17" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" PVC T-Fitting With Embedded Flow Switch	1/2" NPT Threaded Flow Switch (No PVC Fitting Includ.)	1/2" NPT Threaded Flow Switch (No PVC Fitting Includ.)
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40°F to 104°F	40°F to 104°F	40°F to 104°F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 61 GPM	Up to 150 GPM	Up to 350 GPM
Installation Environment	Indoor/outdoor use (UV sensor needs to be out of direct sunlight)	Indoor/outdoor use (UV sensor needs to be out of direct sunlight)	Indoor/outdoor use (UV sensor needs to be out of direct sunlight)
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months	Vessel 1 year* Lamp 6 months



COMMERCIAL SALT CHLORINE GENERATORS

Offering affordable Saline models ranging from the 2.0 model up to the 11.0 model, capable of generating 11 pounds of chlorine per day. The new Saline 2.0 model can generate 2.2 pounds of chlorine per day and has the flexibility to upgrade to the Saline C 6.0 by simply switching the cell stack. The Saline C systems deliver all the benefits of salt chlorination without the wasted space and extra cost of multiplexing several residential units.

SALINE C® SERIES

- » **High-output compact single cell and single power supply options** provide the perfect solution for virtually any pool or regulatory requirement.
- » **Compact design** with single electrolytic cell
- » **110V plug-in** efficient switch mode power supply
- » **Industrial-grade, clear vessel** for easy inspection
- » **Plug N' Play** chemical automation
- » **Reduce chloramines** and associated odors/corrosion
- » **Simple, low-cost installation** vs. multi-cell alternatives
- » **NSF Certified/ANSI Standard 50 Certified**
- » **2-year limited warranty**
- » **24 hour production** up to 5 lbs for Saline 6, 10lbs for Saline 11* and 2.2 lbs for Saline 2.0



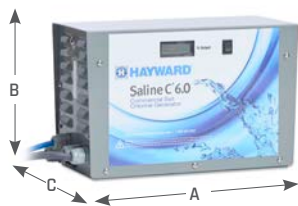
SALINE C 11.0



SALINE C 6.0

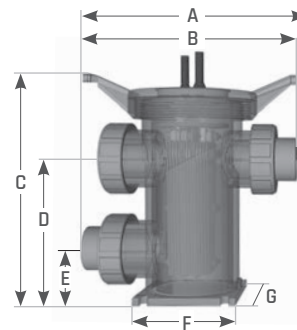


SALINE C 2.0



POWER SUPPLY DIMENSIONS

	SALINE C 2.0 & 6.0	SALINE C 11.0
A	12.75"	12.75"
B	8.25"	8.25"
C	5.625"	11.125"



VESSEL DIMENSIONS

	SALINE C 2.0 & 6.0	SALINE C 11.0
A	13.5"	16.06"
B	12.875"	15.56"
C	15.75"	22.42"
D	9.5"	14.83"
E	3.25"	4.83"
F	6"	6"
G	6"	6"

TRY IT WITH



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

*Per NSF listing.

SALINE C[®] SERIES TECHNICAL SPECIFICATIONS

PART NUMBER	HCSC20 & HCSC60		HCSC110
Power Supply Dimensions	12.75" W x 8.25" H x 5.625" D		12.75" W x 8.25" H x 11.125" D
Vessel Dimensions	13.5" W x 15.75" H x 6" D		16.06" W x 22.42" H x 9.28" D
Certifications	UL1081, CSA C22, NSF/ANSI 50		UL1081, CSA C22, NSF/ANSI 50
LCD Display	Output adjustable 0 - 100%		[2] Output adjustable 0 - 100%
Flow Sensor	2" Magnetic with embedded reed switch with 2" Sch. 40 PVC T-Fitting		4" Magnetic with embedded reed switch. Note: 1/2" NPT Tap & 27/32" Drill Bit required for installation
Power Input (Power Supply)	USA: 3.5 amps, 120V/60Hz [†] , Single Phase	USA: 5.0 amps, 120V/60Hz [†] , Single Phase	USA: 10.0 amps, 120V/60Hz, Single Phase
ORP Input	Cord with male pigtail connected (supplied blue cord) 0.25 Amps		Cord with male pigtail connected (supplied blue cord) 0.25 Amps
Vessel Rated Pressure	50 psi		50 psi
Housing Inlet/Outlet	2" Union inlet/outlet		4" Union inlet/outlet
Reaction Chamber Style	Clear plastic		Clear plastic
Flow Required	40 GPM through cell to achieve rated production		80 GPM through cell to achieve rated production
Maximum Flow Rate	125 GPM		250 GPM
Salt Operating Range	3,500 ppm salt - Minimum Temp. - 78° F 5,000 ppm salt - Minimum Temp. - 60° F		3,500ppm salt - Minimum Temp. - 78 Degrees F 5,000ppm salt - Minimum Temp. - 60 Degrees F
Electrode Stack	Reverse polarity 4mm plate gap		Reverse polarity 4mm plate gap
Rated Production Capacity	1.8 lbs. @ 3,500 ppm 2.2 lbs. @ 5,000 ppm	5.0 lbs. @ 3,500 ppm 6.0 lbs. @ 5,000 ppm*	10.0 lbs. @ 3,500 ppm 11.0 lbs. @ 5,000 ppm**
Rated Cell Life Hours	10,000hrs		10,000hrs
Safety System	5 GPM low flow shutoff Low salt indicator Low salt shutoff (2,500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection		5 GPM low flow shutoff Low salt indicator Low salt shutoff (2500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection
Warranty	2-year parts only warranty (Power Supply, Flow Switch and Vessel) 18-month parts only warranty on salt cell stack		2-year parts only warranty (Power Supply, Flow Switch and Vessel) 18-month parts only warranty on salt cell stack

ACCESSORIES

PART NUMBER	DESCRIPTION	CARTON QTY.	CARTON WEIGHT
HCSBP3-KIT	3" Commercial Salt Chlorine Generator – Bypass Kit	1	16 lbs.
HCSBP4-KIT	4" Commercial Salt Chlorine Generator – Bypass Kit	1	19 lbs.
HCSJB0X-BU	Junction Box for Sanitizer Back-up	1	3 lbs.
HCSCECK15	15' Cell to Power Supply – Extension Cable Kit	1	5 lbs.
HCSCECF515	15' Flow Sensor to Power Supply – Extension Cable Kit	1	5 lbs.



BYPASS KIT



JUNCTION BOX

*NSF Certified for 5 lbs. per day only at 3500 ppm.

**NSF Certified for 10 lbs. per day only at 3500 ppm.

[†]If the system is operating as a standalone, it requires two 120V outlets. If the system is integrated with automation, only one 120V outlet is needed. 15 amp GFCI Breaker Requirement for all models.

Head loss curves for each model/vessel size type are available in the user manual for design reference.

Commercial Cleaners

Hayward® Commercial Aquatics offers commercial cleaners ideal for the Class B/HMAC recreational water market. Our TigerShark™ 2 is designed for durability and backed by a nationwide network of factory-authorized service centers.

TIGERSHARK 2 WITH CADDY CART

- » **On-board computer** calculates pool size and most efficient cleaning pattern
- » **Preset 7-hour clean cycle** automatically turns off when done
- » **Powerful on-board pumps** vacuum dirt and debris
- » **Scours pool bottom, walls, inclines and steps** for a complete clean
- » **Patented easy-clean removable cartridge** can be rinsed with a garden hose

2 YEAR
WARRANTY

SPECIFICATION

PART NUMBER	RC9956GRCC
Cord Length	100'
Recommended Pool Size	Up to 30' x 60'
Voltage	120V / 60Hz
Gallons Circulated	4500 GPH
Dimensions (H x W x L)	11" x 16" x 16"
Filter Micron Porosity/Area	5 micron / 1000 in. ²
Caddy Cart	Included
Motor System	Non-oil filled, microprocessor
Carton Quantity	1
Cleaning Speed	55 ft ² /minute
Carton Weight	44.0 lbs
Dual-Mode Cleaning Cycles	7-hour bottom, wall, and waterline
Recurring Cleaning Cycle	Not Available
Sensors	N/A
Warranty	2-year limited warranty



CADDY
CART

Parts Section on page 282.



AMBIANCE AND COMFORT

THE MOST EFFICIENT WAYS TO SET THE MOOD
AND EXTEND THE POOL SEASON.

The best commercial pools are the ultimate haven for your customers and guests. From lighting to heating, Hayward® turns an everyday swim into an unforgettable experience. Our industry-leading heaters excel in long-lasting performance and unmatched energy efficiency, while our lighting options change the game completely. Whether you're looking for vibrant color-saturated light shows or the brightest-in-the-industry white LED lighting, Hayward saves you up to 86% on energy costs—without sacrificing an ounce of brilliance. You provide the swimmers, we'll provide the memories. It's the Hayward way.



Commercial Lighting

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



LIGHTING MADE EASY. THE NEXT EVOLUTION OF LIGHTING.

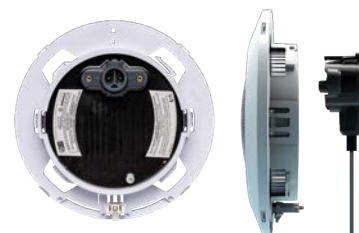
Universal CrystaLogic 2.0 (UCL 2.0) White LED Pool and Spa Lights deliver bright, longer-lasting LED lighting for commercial pools and spas. They represent breakthrough technology for the illumination for any feature or body of water. First to be UL Listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic® White LED Lighting is designed to drastically reduce operation costs and deliver unparalleled performance.



- » **Detachable cord** ensures easy installation and service for the stainless steel, white, gray and legacy white trim options.
- » **Targeted light distribution** prevents glare from above while also enhancing the distance of the light, creating a uniformly illuminated environment.
- » **Totally encapsulated electronics** for next-level durability that ensures your light can withstand even the harshest conditions, making it ideal for any environment.
- » **Industry-first adjustable lower catch** simplifies installation with the ability to overcome variations in plaster thickness.

DETACHABLE CORD

Detachable cord for ease of installation and service*



AVAILABLE & INCLUDED WITH: MODERN WHITE, LEGACY WHITE, LEGACY GRAY AND STAINLESS STEEL TRIM

PART NUMBER	POOL OR SPA	CCT	WATTAGE	WATTAGE EQUIVALENCE	CORD LENGTH (FT.)	PEAK LUMENS	VOLTAGE	CTN. WEIGHT (LBS.)
LPWUS22030	Pools	6500K / CW	54	500	30	4900	12-15V	8.60
LPWUS22050	Pools	6500K / CW	54	500	50	4900	12-15V	10.10
LPWUS22100	Pools	6500K / CW	54	500	100	4900	12-15V	13.90
LPWUS22150	Pools	6500K / CW	54	500	150	4900	12-15V	23.50
LPLUS22030	Pools	6500K / CW	37	300	30	3300	12-15V	8.60
LPLUS22050	Pools	6500K / CW	37	300	50	3300	12-15V	10.10
LPLUS22100	Pools	6500K / CW	37	300	100	3300	12-15V	13.90
LPLUS22150	Pools	6500K / CW	37	300	150	3300	12-15V	23.50
LSLUS22030	Spas	6500K / CW	35	100	30	1100	12-15V	7.00
LSLUS22050	Spas	6500K / CW	35	100	50	1100	12-15V	8.00
LSLUS22100	Spas	6500K / CW	35	100	100	1100	12-15V	11.00
LSLUS22150	Spas	6500K / CW	35	100	150	1100	12-15V	28.00

*Available on pool lights only.

Please note: The Universal CrystaLogic lights have a 6500K rating [a cooler, crisper white tone] while the 320 lights have a 4000K rating [a warmer white appearance]

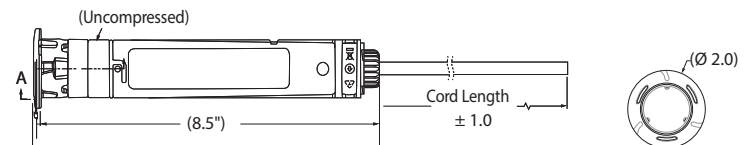
CRYSTALOGIC® 320 WHITE LED LIGHTS

CrystaLogic 320 lights provide an elegant solution for commercial swimming pool and spa lighting. They can also illuminate smaller features or landscapes, bringing brilliance to areas that are difficult to reach with traditional lighting. The easiest 1.5-inch lights to install, at just 4 inches below waterline and in as little as 8 inches of PVC conduit, our 320 lights are ideal for steps, water features, jets, bubblers, baja shelves, fountains, spray/splash pads, landscape features and more.



- » **Allow for total coordination** of all water environments.
- » **Easiest 1.5-inch lights to install** at just 4 inches below waterline in any depth of water and in as little as 9 inches of PVC conduit.
- » **Ideal for commercial pool/spa lighting** or lighting steps, water features, baja shelves, bubblers, spray/splash pads and more.
- » **Can be installed** in dry/landscape applications.
- » **Last 10 times longer** than incandescent lights.
- » **Vinyl, fiberglass, and concrete** low-profile installations.
- » **UL Listed** for safe floor or wall installation.
- » **3-year limited warranty**

OVERALL DIMENSIONS

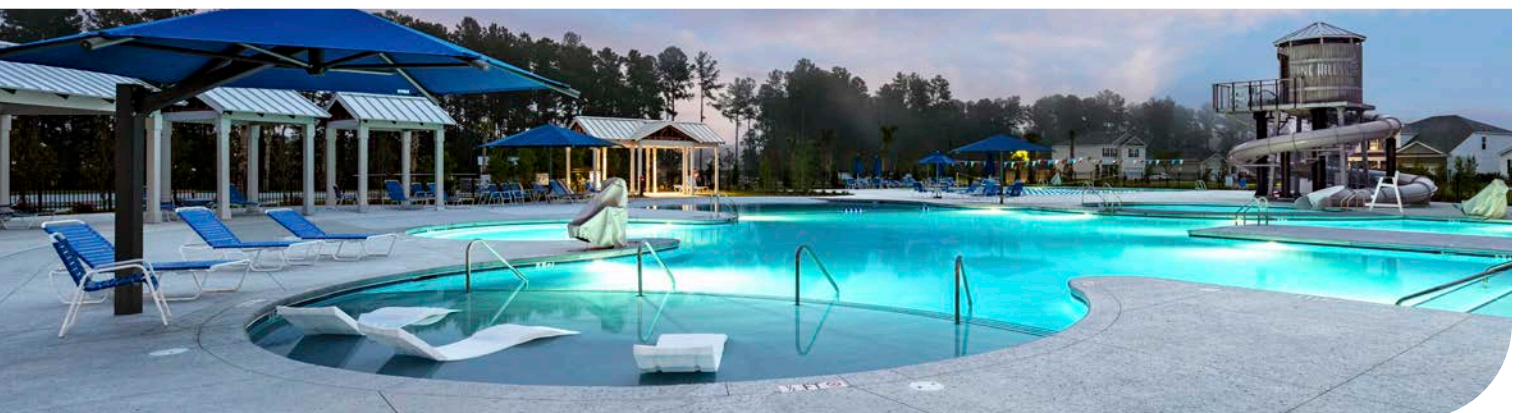


Requires 9" of 1.5" PVC Conduit.

SPECIFICATIONS

STANDARD SWITCHED LIGHTS		EQUIVALENT BRIGHTNESS	KELVIN	WATTS (150')	AMPS (150')	VOLTAGE RANGE	LUMENS	CORD LENGTH (FT.)
LAWUS11030	High Lumen CrystaLogic 320 12V Lights	100W	4000K	30	2.1	12-15	1100	30
LAWUS11050								50
LAWUS11100								100
LAWUS11150								150

Please note: The 320 lights have a 4000K rating (a warmer white appearance), while the Universal CrystaLogic lights have a 6500K rating (a cooler, crisper white tone).



ACCESSORIES FOR UNIVERSAL CRYSTALOGIC® AND COLORLOGIC® POOL AND SPA SIZE LIGHTS & COLORLOGIC® 320 AND COLORLOGIC® 80 ACCENT LIGHTS

J-BOX TRANSFORMER RETROFIT KIT

PART NUMBER	KITS	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LRBUY11P65	Pentair®	70W
LRBUY11T65	Thermocraft®	70W



HAYWARD



PENTAIR



THERMOCRAFT



INTERMATIC

UCL CONCRETE NICHE

PART NUMBER	POOL/SPA	POOL TYPE	APPROVED LIGHTS	DESCRIPTION
LFGUY1000	Pool	Gunite/Concrete	Universal ColorLogic and CrystalLogic	Non-Bonded, Non-Grounded Low Profile Plastic Pool Niche for Concrete Pools
LFVUY1000	Pool	Vinyl/Fiberglass	Universal ColorLogic and CrystalLogic	Non-Bonded, Non-Grounded Low Profile Plastic Pool Niche for Vinyl and Fiberglass
LGGUY1000	Spa	Gunite/Concrete	Universal ColorLogic and CrystalLogic	Non-Bonded, Non-Grounded Plastic Spa Niche for Concrete Pools
SP0608U	Spa	Vinyl/Fiberglass	Universal ColorLogic and CrystalLogic	DuraNiche Plastic Spa Niche for Vinyl and Fiberglass



J-BOX & WALL-MOUNT POOL LIGHTING TRANSFORMERS

PART NUMBER	TRANSFORMER	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LTBUY11300	Hayward	300W
25036	J&J Electronics	100W
25037	J&J Electronics	300W

UCL 2.0 REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	QTY.
GLXLPCLAMP	500W Color Lamp Box Kit	1
GLXLPLLAMP	300W White Lamp Box Kit	1
GLXLPWLAMP	500W White Lamp Box Kit	1
GLXLPLTR	Pool Trim Ring Bag Kit (4 Pack)	1
GLXLPMOUNT	Mounting Flange Bag Kit	1
SPX0800Z1	Metal Screw Kit	1
LQ(x)UY1000	Spa Trim Rings	1
SPX0800Z1	Metal Screw Kit	1
GLXLPCORD100	100 ft. Light Cord	1
GLXLPCORD150	150 ft. Light Cord	1

ACCESSORIES FOR LIGHT CONTROL

PART NUMBER	DESCRIPTION
HLOMNIHUB	OmniHub App Based Smart Pool and Spa Control
LKCUS1100	ColorLogic Light Controller Stand-Alone

HAYWARD.COM/NICHECALCULATOR

Calculate per-niche savings when using a UCL Thin Niche

Lighting Overview & Transformer Sizing Guide



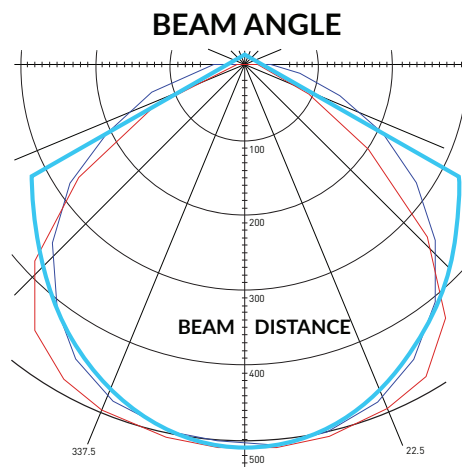
MINIMUM ILLUMINANCE

- » Depending on the local health code, incandescent lights were historically required to provide 0.5 or 1 watt per square foot of pool surface area
- » Today, most health departments and the Model Aquatic Health Code suggest 8-9 lumens per square foot
- » This value only applies to lights using a white wavelength



LIGHTING PLACEMENT

- » Beam pattern: The angular spread of light emitted from the fixture
- » The beam pattern is measured between points on opposite sides of the beam axis where the intensity drops to 50% of maximum power
- » X-axis: Horizontal spread
- » Y-axis: Vertical spread



CALCULATE NUMBER OF LIGHTS NEEDED

$$\text{Number of Lights} = \frac{\text{Pool Surface Area} \times 8.35 \text{ Lumens}}{\text{Lumen Output of Light}}$$

LIGHTING TRANSFORMER SIZING DATA (PER 150' CORD)

PART NUMBER	PRODUCT	WATTS	MAX LIGHTS PER 70W J-BOX TRANSFORMER	MAX LIGHTS PER 100W TRANSFORMER	MAX LIGHTS PER 140W TRANSFORMER	MAX LIGHTS PER 300W TRANSFORMER (USE 14V)	AMPS
LMCUS	ColorLogic 80 (Set of 5)	9.25	6	8	8	25	0.66 (100')
LPWUS	UCL 2.0 500W	70	0	1	1	3	5
LPLUS	UCL 2.0 300W	46	1	1	1	5	3.5
LSLUS	UCL 2.0 100W	26	2	3	3	9	1.9
LAWUS	CrystalLogic 320	30	1	2	2	8	2.1

Note: A 300 WATTS transformer can support 25 sets of 5, for a total of 125 lights.

TRY IT WITH



For added efficiency and control, **OmniHub® Smart Pool & Spa Control** is the perfect complement to **Hayward® lighting and water features.*** OmniHub installs in just a few hours and is compatible with existing equipment, providing commercial pool operators with a simple way to change lighting colors, set themes, control water features and more—right from a smartphone.

*OmniHub is only compatible with select commercial pools.

J&J PureWhite Pool & Spa Fixtures & Lamps

THE STANDARD IN WHITE LED LIGHTING

J&J Electronics™ PureWhite® Pool & Spa Lamps and Fixtures have grown to become industry-leading, trusted brands in the commercial pool marketplace nationwide. PureWhite® LED light fixtures and lamps offer unmatched brightness and energy efficiency for pool and spa lighting. Utilizing high performance Cool White LEDs, the appearance of pool water is improved by producing brilliant, natural looking light; making PureWhite® fixtures and lamps the perfect choice.

PureWhite Fixture Advantages:

- » 100W-500W standard incandescent equivalent
- » Zero Pixelation Lens
- » Heavy Duty 316 Stainless Steel construction

PureWhite Lamp Advantages:

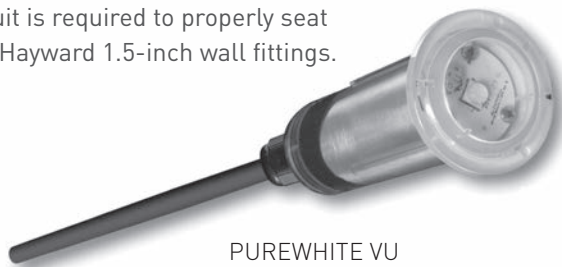
- » Reduces energy consumption up to 90%
- » Cool white light enhances pool water appearance
- » Compatible with most manufacturers' fixtures



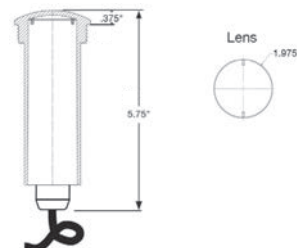
The J&J Electronics VU 1.5 nicheless pool and spa fixtures are also available as part of the PureWhite® fixture series. These versatile fixtures easily retrofit into most 1.5" wall fittings. A minimum of 6 inches of 1.5-inch PVC pipe or conduit is required to properly seat the light. The light must thread into Hayward 1.5-inch wall fittings.

Features

- » Easy installation; fits in most manufacturers 1 1/2" wall fittings
- » 4" minimum water depth



OVERALL DIMENSIONS (INCHES)



PUREWHITE VU BUYING GUIDE

PART NUMBER	POOL OR SPA	CCT	WATTAGE	WATTAGE EQUIVALENCE	CORD LENGTH	PEAK LUMENS	VOLTAGE	CTN. WEIGHT (LBS.)
25050	Pools and Spas	6500K / CW	12.3	40	50 ft	700	12V	3.50
25051	Pools and Spas	6500K / CW	12.3	40	100 ft	700	12V	6.00
25052	Pools and Spas	6500K / CW	12.3	40	150 ft	700	12V	9.50

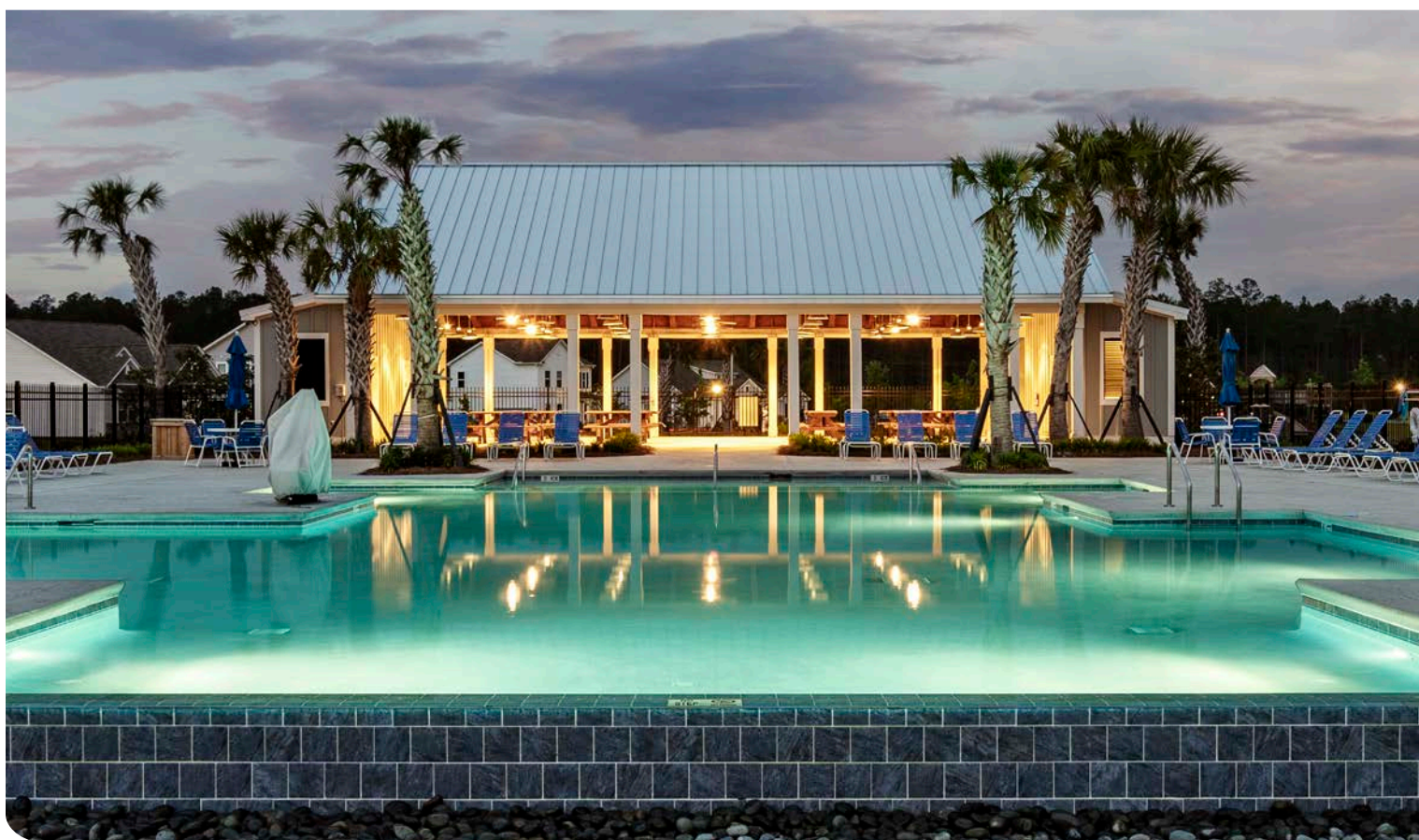
INLET FITTING THREADING COMPATIBILITY

PART NUMBER	DESCRIPTION
SP1022	1.5" FIP (female threaded) x 1.5" threaded return fitting for gunite pools
SP1022S	1.5" FIP (female threaded) x 1.5" Socket return fitting for gunite pools
SP1023*	1.5" FIP (female threaded) x 1.5" threaded return fitting for vinyl liner pools with faceplate and gasket
SP1023S*	1.5" FIP (female threaded) x 1.5" Socket return fitting for vinyl liner pools with faceplate and gasket
SP1408S2*	1.5" FIP return fitting with longer collar and large flange for fiberglass

*Available in Gray, Dark Gray, and Black. Add the following suffixes to the part number when ordering: GR for Gray, DGR for Dark Gray, and BLK for Black.

PUREWHITE LED POOL LIGHTS BUYING GUIDE

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
21000	LPL-F5W-120-200-P	4500	120	6500K	200 feet	1	25
21069	LPL-F5W-120-150-P	4500	120	6500K	150 feet	1	22.5
21081	LPL-F5W-120-100-P	4500	120	6500K	100 feet	1	20
21071	LPL-F5W-120-50-P	4500	120	6500K	50 feet	1	13
21025	LPL-F5W-12-100-P	4500	12	6500K	100 feet	1	22
21149	LPL-F5W-120-100-P27	4150	120	2700K	100 feet	1	20
21169	LPL-F5W-12-100-P27	4150	12	2700K	100 feet	1	22
24273	LPL-F3W-120-300-P	3900	120	6500K	300 feet	1	28
21077	LPL-F3W-120-200-P	3900	120	6500K	200 feet	1	25
21076	LPL-F3W-120-150-P	3900	120	6500K	150 feet	1	22.5
21075	LPL-F3W-120-100-P	3900	120	6500K	100 feet	1	18
21079	LPL-F3W-120-50-P	3900	120	6500K	50 feet	1	13.5
21024	LPL-F3W-12-100-P	3900	12	6500K	100 feet	1	20
21120	LPL-F3W-12-150-P	3900	12	6500K	150 feet	1	26.6
21074	LPL-F3W-12-50-P	3900	12	6500K	50 feet	1	13
21043	LPL-F3W-120-100-P27	2991	120	2700K	100 feet	1	18
21023	LPL-F3W-12-100-P27	2991	12	2700K	100 feet	1	22
21130	LPL-F1W-120-100-P27	1840	120	2700K	100 feet	1	18
21158	LPL-F1W-12-100-P27	1840	12	2700K	100 feet	1	19



SWIMQUIP NICHE COMPATIBLE PUREWHITE® LED POOL LIGHTS

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
21219	LPL-F5W-120-300-PSQ	4500	120	6500K	300 feet	1	28
21154	LPL-F5W-120-200-PSQ	4500	120	6500K	200 feet	1	25
21086	LPL-F5W-120-150-PSQ	4500	120	6500K	150 feet	1	22.5
21084	LPL-F5W-120-100-PSQ	4500	120	6500K	100 feet	1	20
21083	LPL-F5W-120-50-PSQ	4500	120	6500K	50 feet	1	14
21127	LPL-F5W-120-30-PSQ	4500	120	6500K	30 feet	1	10.5
21143	LPL-F5W-12-50-PSQ	4500	12	6500K	50 feet	1	15
21021	LPL-F5W-12-100-PSQ	4500	12	6500K	100 feet	1	22
21012	LPL-F5W-12-30-PSQ	4500	12	6500K	30 feet	1	15
21159	LPL-F5W-12-150-PSQ	4150	12	2700K	150 feet	1	26.6
21156	LPL-F3W-120-300-PSQ	3900	120	6500K	300 feet	1	28
21082	LPL-F3W-120-200-PSQ	3900	120	6500K	200 feet	1	28
21121	LPL-F3W-120-30-PSQ	3900	120	6500K	30 feet	1	10.5
21014	LPL-F3W-12-150-PSQ	3900	12	6500K	150 feet	1	26.6
21126	LPL-F3W-12-30-PSQ	3900	12	6500K	30 feet	1	15
21197	LPL-F1W-120-300-PSQ	2400	120	6500K	300 feet	1	28
21196	LPL-F1W-120-200-PSQ	2400	120	6500K	200 feet	1	25
21015	LPL-F1W-120-150-PSQ	2400	120	6500K	150 feet	1	22.5
21064	LPL-F1W-120-50-PSQ	2400	120	6500K	50 feet	1	13.5
21122	LPL-F1W-120-30-PSQ	2400	120	6500K	30 feet	1	10.5
21136	LPL-F1W-12-50-PSQ	2400	12	6500K	50 feet	1	13.2
21123	LPL-F1W-12-30-PSQ	2400	12	6500K	30 feet	1	15
21148	LPL-S1W-120-150-P27	400	120	2700K	150 feet	1	17.5

POOL SIZE OVERALL DIMENSIONS (INCHES)

	LPL-F2C (POOL)
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
PILOT HOLE/CATCH TAB	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

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

LPL SERIES CONFIGURATION

SERIES	MODEL NUMBER	VOLTAGE	CORD LENGTH	FACEPLATE
LPL	F1W = Li	120 or 12	30', 50', 100', or 150'	P = Polished Version PSQ = Polished SwimQuip Version
	F3W = Hi			
	F5W = Xi			

NICHE COMPATIBILITY

MANUFACTURER	COMPATIBLE NICHES
Hayward	SP0600U, SP0607U
Pentair	620004, 78210400, 78210500, 78210600, 78210700, 78232400, 78232500, 79206700
Jandy	PLNICLRG, SSNICLRG1R, SSNICLRG1S, PLNICVFLRG
Sta-Rite® SwimQuip®	PSQ Faceplate Version Only

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

Features

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

NOTE: *HI Series compared to incandescent lamps

**Compared to incandescent lamps

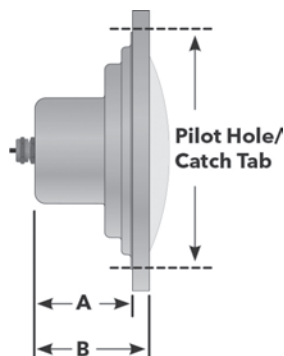


PUREWHITE LED SPA LIGHT

PUREWHITE LED SPA LIGHTS

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
13-WATT PUREWHITE LED SPA FIXTURE 100W EQUIVALENT							
21100	LPL-S1W-120-30-P	500	120	6500K	30'	1	7.5 lbs.
21091	LPL-S1W-120-50-P	500	120	6500K	50'	1	10 lbs.
21101	LPL-S1W-120-100-P	500	120	6500K	100'	1	13.5 lbs.
21102	LPL-S1W-120-150-P	500	120	6500K	150'	1	17.6 lbs.
21106	LPL-S1W-12-30-P	500	12	6500K	30'	1	7.5 lbs.
21107	LPL-S1W-12-50-P	500	12	6500K	50'	1	10.5 lbs.
21108	LPL-S1W-12-100-P	500	12	6500K	100'	1	14 lbs.
21051	LPL-S1W-12-150-P	500	12	6500K	150'	1	18.1 lbs.
21137	LPL-S1W-120-30-P27	400	120	2700K	30'	1	7.5 lbs.
21139	LPL-S1W-120-50-P27	400	120	2700K	50'	1	10 lbs.
21029	LPL-S1W-120-100-P27	400	120	2700K	100'	1	13.5 lbs.
21148	LPL-S1W-120-150-P27	400	120	2700K	150'	1	17.6 lbs.
21020	LPL-S1W-12-30-P27	400	12	2700K	30'	1	7.5 lbs.
21018	LPL-S1W-12-50-P27	400	12	2700K	50'	1	10.5 lbs.
21141	LPL-S1W-12-100-P27	400	12	2700K	100'	1	14 lbs.
21145	LPL-S1W-12-150-P27	400	12	2700K	150'	1	18.1 lbs.

OVERALL DIMENSIONS (INCHES)



SPA SIZE OVERALL DIMENSIONS (INCHES)

	LPL-F2C (SPA)
A	2.9"
B	3.5"
Lens Diameter	2.9"
Faceplate Diameter	5.7"

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

NICHE COMPATIBILITY

MANUFACTURER	COMPATIBLE NICHES
Hayward	SP0606C*, SP0610U, SP0608U
Pentair	78244200, 78244300, 78243200, 78243300, 79206600
Jandy	PLNICSMS, SSNICSMS1R, SSNICSMS1S

NOTE: *This niche is no longer available for order.

PUREWHITE AND COLORSPLASH REPLACEMENT PARTS

REPLACEMENT LED BOARD KITS FOR COLORSPLASH™ AND PUREWHITE* FIXTURES (120V)

MODEL NUMBER	DESCRIPTION	DESCRIPTION
JJ14322	LPL-F2CW-120-FRKIT	LED Light Engine/Lens Gasket-120V ColorSplash XGW 500 Series
JJ14321	LPL-F1CW-120-FRKIT	LED Light Engine/Lens Gasket-120V ColorSplash XGW 300 Series
JJ14835	LPL-S2CW-120-FRKIT	LED Light Engine/Lens Gasket-120V ColorSplash XGW Spa Series
JJ10681	LPL-F5W-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 600W Equivalent – Cool White
JJ9410	LPL-S1W-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 100W Equivalent Spa – Cool White
JJ10639	LPL-F1L-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 300W Equivalent – Warm White
JJ10021	LPL-S1L-120-FRKIT	LED Light Engine/Lens Gasket-120V PureWhite 100W Equivalent Spa – Warm White

REPLACEMENT LED BOARD KITS FOR COLORSPLASH™ AND PUREWHITE™ FIXTURES (12V)

JJ15343	LPL-F2CW-12-FRKIT	LED Light Engine/Lens Gasket-12V ColorSplash XGW 500 Series
JJ15434	LPL-F1CW-12-FRKIT	LED Light Engine/Lens Gasket-12V ColorSplash XGW 300 Series
JJ15342	LPL-S2CW-12-FRKIT	LED Light Engine/Lens Gasket-12V ColorSplash XGW Spa Series
JJ10640	LPL-F3W-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 500W Equivalent – Cool White
JJ14614	LPL-S1W-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 100W Equivalent Spa – Cool White
JJ14724	LPL-F3L-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 500W Equivalent – Warm White
JJ9503	LPL-S1L-12-FRKIT	LED Light Engine/Lens Gasket-12V PureWhite 100W Equivalent Spa – Warm White

LENS & GASKET KITS

JJ10702	LPL-S1-LG	Lens and Gasket Kit for Small Spa Fixture
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PUREWHITE® LED POOL AND SPA REPLACEMENT LAMPS

MODEL NUMBER	DESCRIPTION	TYPE	PEAK LUMENS	VOLTAGE	CCT	CTN. QTY.	CTN. WEIGHT
46610	LPL-PR2-CW-120	Pool	3100	120V	6500	1	2.86 lbs.
46611	LPL-PR2-WW-120	Pool	2800	120V	2700	1	2.86 lbs.
46612	LPL-PR2-CW-12	Pool	3100	12V	6500	1	2.86 lbs.
46613	LPL-PR2-WW-12	Pool	2800	12V	2700	1	2.86 lbs.
46710	LPL-M2-CW-120	Spa	1300	120V	6500	1	0.88 lbs.
46711	LPL-M2-WW-120	Spa	1150	120V	2700	1	0.88 lbs.
46712	LPL-M2-CW-12	Spa	1300	12V	6500	1	0.88 lbs.
46713	LPL-M2-WW-12	Spa	1100	12V	2700	1	0.88 lbs.
46810	LPL-PRHO-CW-120	Pool	4300	120V	6500	1	2.86 lbs.
46811	LPL-PRHO-WW-120	Pool	4000	120V	2700	1	2.86 lbs.

SILICONE LENS GASKET FOR PENTAIR®, HAYWARD®, AND STARITE® LIGHT FIXTURES

MODEL NUMBER	DESCRIPTION	TYPE	CTN. QTY.	CTN. WEIGHT
26041	LPL-G-P	Guardian Silicone Lens Gasket-Pool-Pentair Amerlite	1	1 lb.
26046	LPL-G-H	Guardian Silicone Lens Gasket-Pool-Hayward Astrolite™	1	1 lb.
26040	LPL-G-S	Guardian Silicone Lens Gasket-Pool-Starite Swimquip	1	1 lb.
26039	LPL-M-G-P	Guardian Silicone Lens Gasket-Spa-Pentair SpaBrite and AquaLight	1	1 lb.
26042	LPL-M-G-H	Guardian Silicone Lens Gasket-Spa-Hayward Astrolite II	1	1 lb.
26517	LPL-G-J	Silicone Lens Gasket for J&J Electronics/Pool Incandescent Fixture	1	1 lb.
26518	LPL-M-G-J	Silicone Lens Gasket for J&J Electronics/Spa Incandescent Fixture	1	1 lb.

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



PUREWHITE LED POOL
AND SPA LAMPS

Features

- » Ultra-bright white light equivalents for 100w thru 500w incandescent pool lamps
- » Uniformity of light intensity and saturation
- » Multiple color temps: warm white 2700k and cool white 6500k
- » 12V and 120V
- » Wide beam spread

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

OVERALL DIMENSIONS (INCHES)

LPL-PR Series

**LPL-M2 SERIES**

GUARDIAN™
Silicone Lens Gasket

J&J ELECTRONICS™ LOW VOLTAGE TRANSFORMERS

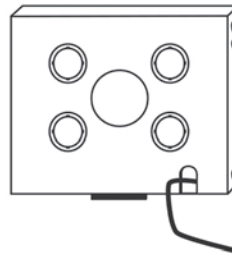
MODEL NUMBER	DESCRIPTION	FINISH	WATTAGE	CTN. QTY.	CTN. WEIGHT
12-14V POOL AND SPA LIGHT TRANSFORMER					
25036	TR-100-PP	Beige	100W	1	7 lbs.
25037	TR-300-PP	Beige	300W	1	12.5 lbs.



POOL AND SPA LIGHT TRANSFORMERS

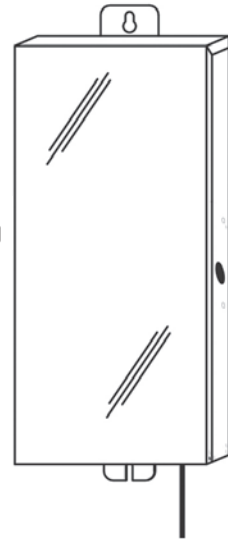
Overall Dimensions (inches)

4.25"
(107.95 mm)

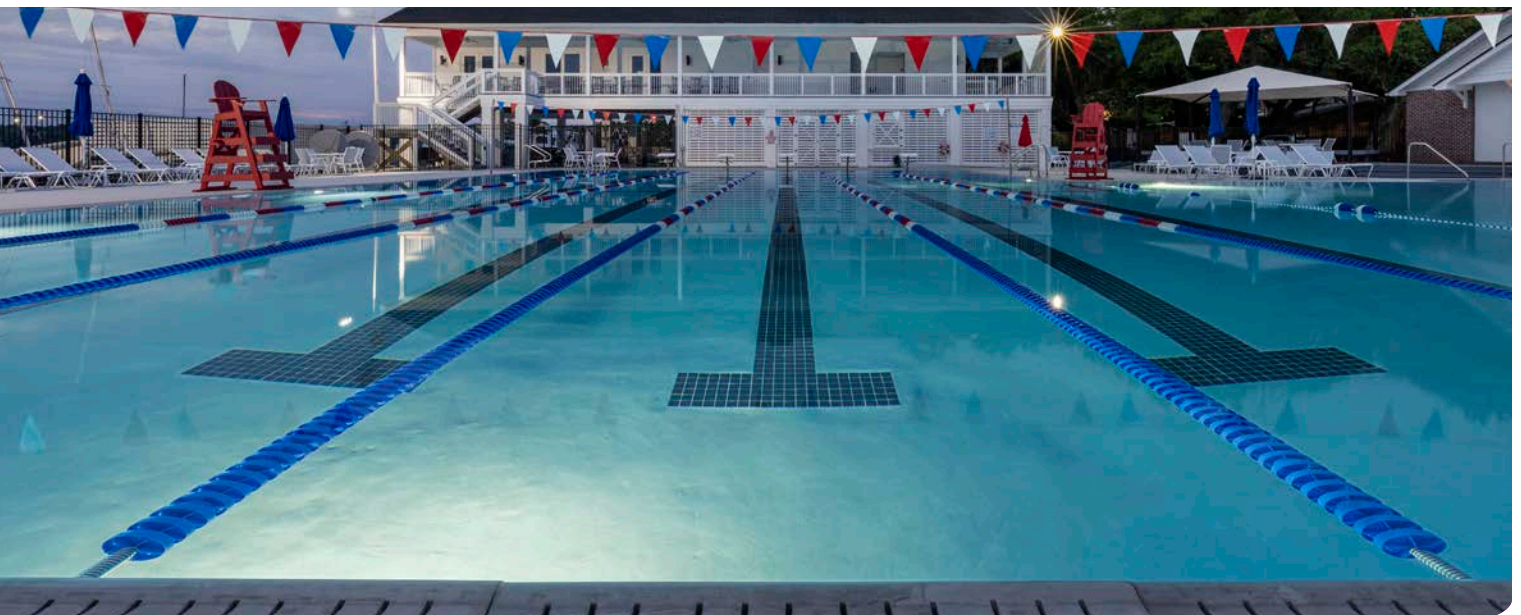


BOTTOM
TR-100-PP

.75"
(222.25 mm)



FRONT
TR-300-PP



Commercial Water Features

Hayward® water features instantly enhance the ambiance of any commercial pool. They're low profile by design, blending seamlessly into any environment, and they connect quickly and easily to reduce installation headaches and costs. Available in deck jets, sheers and bubblers, they're a versatile way to enhance any commercial pool environment with the beauty and serenity of moving water.



LED COLORLOGIC LAMINARS

- » **Peaceful, glass-like arcs of water**
- » **Illuminate with** ColorLogic® or CrystaLogic® LED lights
- » **Multiple lid color options** blend seamlessly with any environment
- » **Flow and direction** can be adjusted without tools
- » **Locking stream-angle adjustment mechanism** ensures uniformity with multiple units
- » **The industry's only height-adjustment mechanism** ensures perfect deck alignment even after settling
- » **Minimal dedicated valves and lines** save time and money
- » **Performs best at 6-7 GPM**



DECK JET 500

- » **Peaceful, arching deck-to-pool stream**
- » **Flow and direction** can be adjusted without tools
- » **The industry's only height adjustment mechanism** ensures perfect deck alignment even after settling
- » **Attractive bronze-coated cover**
- » **Integrated flow adjustment** eliminates the need for dedicated valves
- » **Designed for a maximum flow rate of 5 GPM at 10.7 ft. of head**



SHEERS

- » **Customizable waterfall effect** adds tranquil visual appeal
- » **Can be installed in straight or curved applications**
- » **Rear or bottom connections** for quick and easy installation
- » **1.5" x 2" connections** are compatible with larger plumbing for maximum water flow
- » **1.25 GPM** per inch of sheer width



LED BUBBLERS

- » **Cascading column of water** creates the ultimate in high-end ambiance
- » **Adjustable nozzles** create a variety of water heights and widths
- » **Interchangeable color options**
- » **Unobtrusive, flush design** integrates seamlessly with the pool surface
- » **Can be installed 2" to 12" below the water's surface**
- » **15 GPM - 40 GPM**

SPECIFICATIONS

DECK JET 500 (5 GPM PER JET)

PART NUMBER	DESCRIPTION
WFJ500PAK4	Deck Jet 500 (4 pack)

SHEER 500 (1.25 GALLONS PER INCH OF SHEER)

MODEL	DESCRIPTION	QTY.	WEIGHT
REAR MOUNT			
WFS512R6W	Sheer, 1 ft. width, 6" lip	1	7 lbs.
WFS512R1W	Sheer, 1 ft. width, 1" lip	1	5 lbs.
WFS524R6W	Sheer, 2 ft. width, 6" lip	1	10 lbs.
WFS524R1W	Sheer, 2 ft. width, 1" lip	1	8 lbs.
WFS536R6W	Sheer, 3 ft. width, 6" lip	1	16 lbs.
WFS536R1W	Sheer, 3 ft. width, 1" lip	1	11 lbs.
WFS548R6W	Sheer, 4 ft. width, 6" lip	1	21 lbs.
WFS548R1W	Sheer, 4 ft. width, 1" lip	1	14 lbs.
WFS560R6W	Sheer, 5 ft. width, 6" lip	1	26 lbs.
WFS560R1W	Sheer, 5 ft. width, 1" lip	1	18 lbs.
BOTTOM MOUNT			
WFS512B1W	Sheer, 1 ft. width, 1" lip	1	5 lbs.
WFS524B6W	Sheer, 2 ft. width, 6" lip	1	11 lbs.
WFS524B1W	Sheer, 2 ft. width, 1" lip	1	8 lbs.
WFS536B1W	Sheer, 3 ft. width, 1" lip	1	11 lbs.

HYDROTHERAPY FITTINGS (15 GPM PER SPA JET)

PART NUMBER	DESCRIPTION
SP14341PAKA	1" Air x 1" Water
SP14343PAKA	1" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — White
SP1434PAKA	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — White
SP1434PAKAGR	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — Gray
SP1436PAKB	Pulse-Flo Nozzle Assembly — Rotating
SP1437PAKB	Whirl-Flo Nozzle Assembly — Whirlpool
SP1434PAKB	VariFlo Nozzle Assembly — Adjustable — White
SP1434PAKBDGR	VariFlo Nozzle Assembly — Dark Gray
SP1434PAKBGR	VariFlo Nozzle Assembly — Adjustable — Gray
SP1430	1.5" FIP X 1.5" MIP JetAir Ftg.
SP1430S	1.5" SKT x 1.5" MIP JetAir Ftg.
SP14311	1.5" MIP x 1.5" FIP JetAir Ftg.
SP1433	1.5" FIP JetAir Fitting Package
SP1433S	1.5" FIP JetAir Fitting Package with SP1430S
SP1450T	1.5" Socket Turbo-Boost Spa Jet Fitting

BUBBLER (15 TO 40 GPM PER BUBBLER)

PART NUMBER	DESCRIPTION
WFB100*	ColorLogic Bubbler – Gunite
WFB200*	ColorLogic Bubbler – Vinyl/Fiberglass

COLORLOGIC LAMINAR 6-7 GPM PER**

PART NUMBER	DESCRIPTION
WFL100*	ColorLogic Laminar

*Accent 320 Lights LAWUS11xxx or LACUS11xxxLights ordered separately
**Cartridge Filter Required

SPA BLOWER

PART NUMBER	DESCRIPTION	MAX NUMBER OF WATER JETS
SPB101	Spa Blower, 1HP, 115V	4 to 8
SPB102	Spa Blower, 1HP, 230V	4 to 8
SPB151	Spa Blower, 1.5HP, 115V	8 to 12
SPB152	Spa Blower, 1.5HP, 230V	8 to 12
SPB201	Spa Blower, 2HP, 115V	14 or more
SPB202	Spa Blower, 2HP, 230V	14 or more



SPA BLOWER

Commercial Heaters

Building on our proven line of industry-leading heaters, Hayward® offers unmatched performance and superior engineering with the Universal H-Series ASME commercial gas heaters. All Hayward Commercial heaters employ a forced draft design and provide exceptional corrosion resistance and hydraulic performance. The new 500,000 BTU models boast the fastest speed-to-heat capability in their class and are designed for ultimate performance, durability and energy efficiency.

UNIVERSAL H-SERIES ASME GAS HEATERS

Hayward Commercial Aquatics Universal H-Series ASME gas heaters are designed and certified for commercial use. The flagship of our H-Series line encompasses high-end features and construction materials as standard. They combine industry-leading hydraulics, exceptional performance, energy efficiency and reliability with planet-friendly low NO_x emissions. Flexible connection options make them ideal for new or existing applications.



- » **Choose from 6 models** (250,000, 400,000 and 500,000 BTU natural gas or propane)
- » **500,000 BTU provides unprecedented speed-to-heat**, with just 2 models delivering 1 million BTU's while using minimal pump room space
- » **Patented Cupro Nickel Finn Plate™ heat exchanger** with bronze header included as standard on all models
- » **Independent left- or right-side electric** and water connections
- » **2" x 2½" CPVC** flanged plumbing connections
- » **ASME pressure relief valve** included as standard
- » **Electronic lock-out feature** prevents unauthorized access to configuration settings
- » **Easy installation and service** via single front panel access
- » **Easy gas valve** adjustment
- » **Easy dual-voltage conversion** with fuse-protected circuit boards
- » **83%-84% thermal efficiency**
- » **3-year limited warranty** on parts and labor



TECHNICAL SPECIFICATIONS

PART NUMBER	BTU	DESCRIPTION	PIPE SIZE	MAX. ALLOWED WORKING PRESSURE	FLOW RATE	DIMENSIONS (L X W X H)	CARTON QUANTITY	CARTON WEIGHT (LBS.)
H250FDNASME	250,000	Natural Gas	2" x 2½"	125 psi	25 -125	28" x 29½" x 24"	1	195.0
H400FDNASME	400,000	Natural Gas	2" x 2½"	125 psi	30 -125	36½" x 29½" x 24"	1	225.0
H500FDNASME*	500,000	Natural Gas	2" x 2½"	125 psi	40 -125	40½" x 29½" x 24"	1	240.0
H250FDPASME	250,000	Propane	2" x 2½"	125 psi	25 - 125	28" x 29½" x 24"	1	195.0
H400FDPASME	400,000	Propane	2" x 2½"	125 psi	30 - 125	36½" x 29½" x 24"	1	225.0
H500FDPASME*	500,000	Propane	2" x 2½"	125 psi	40 - 125	40½" x 29½" x 24"	1	240.0

*Includes flow and pressure sensor.

Electronic temperature lock-out prevents unauthorized access to temperature settings

24 Inch high cabinet is the lowest in the industry and can be raised off the floor if necessary

Fuse-protected circuit boards make dual-voltage conversion safe and easy

Forced-draft combustion produces low NO_x emissions for and is certified for high-altitude applications up to 10,000 feet standard

ASME pressure relief valve comes standard to ensure system safety

Noncorrosive feet won't rust on wet pool pads

Patented cupro nickel heat exchanger with totally managed flow provides industry-best performance with powerful corrosion protection

Low-lead bronze header with patented bypass design uses up to 18% less energy

Universal plumbing, gas and electrical connections offer quick and easy retrofitting and are certified for installation on combustible surfaces

4," 6" and 8" venting kit allows for indoor natural gas installation



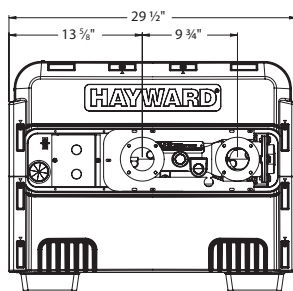
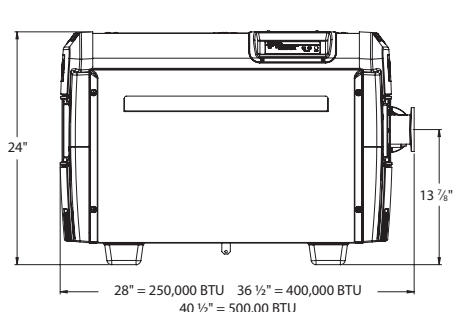
COMMERCIAL HEATER ACCESSORIES

Hayward® offers a complete range of venting kit options for all ASME heaters. Also offered is a flow switch and a temperature/pressure gauge that is required for installation into specific commercial pool markets, such as Texas. This kit will ensure the H-Series ASME heater is compliant with boiler and health code regulations. (Included with 500,000 BTU)

VENTING KIT OPTIONS AND ACCESSORIES (ORDERED SEPERATELY)

PART NUMBER	DESCRIPTION
UHXNEGMV300	NEW Horizontal Power Vent Kit, Up to 300k BTU
UHXNEGMV600	NEW Horizontal Power Vent Kit, Up to 610k BTU
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit
UHXDVA004	4" DuraVent Positive Pressure Appliance Adapter
UHXDVA006	6" DuraVent Positive Pressure Appliance Adapter
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adapter Included)
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXTFP1930	Temp/Pressure and Flow Switch Kit
UHXFSW1930	Flow Switch Only

UNIVERSAL H-SERIES ASME HEATER DIMENSIONS



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

INSTALLATION REQUIRED CLEARANCES (INCHES)

HEATER PANEL LOCATION	OUTDOOR CLEARANCE	INDOOR CLEARANCE
Top	Unobstructed	36"
Front	18"	18"
Back	6"	6"
Water Side Connection	12"	12"
Opposite Water Side Connection	6"	6"

NATURAL GAS PIPE SIZING (DIA. IN.), LOW PRESSURE, SINGLE-STAGE REGULATION

btu/hr Input		250,000	400,000	500,000
Gas Line Material		Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe
Distance from Gas Meter to Gas Valve Inlet (ft.)	0 to 50	1	1-1/4	1-1/4
	50 to 100	1-1/4	1-1/4	1-1/2
	100 to 200	1-1/4	1-1/4	2
	200 to 300	1-1/4	2	2

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

PROPANE GAS PIPE SIZING (DIA. IN.), LOW-PRESSURE, SINGLE-STAGE REGULATION

btu/hr Input		250,000		400,000	500,000
Gas Line Material		Iron Pipe	Tubing	Iron Pipe	Iron or Plastic Pipe
Distance from Tank Regulator to Gas Valve Inlet (ft.)	0 to 50	1	1-1/8	1	1
	50 to 100	1	1-1/8	1-1/4	1-1/4
	100 to 200	1-1/4	—	1-1/4	1-1/4
	200 to 300	1-1/4	—	1-1/2	1-1/2

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

NATURAL GAS PIPE SIZING (DIA. IN.), HIGH-PRESSURE, 2-STAGE REGULATION

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

*Based upon an inlet gas pressure of 2 psig at a pressure drop of 1 psi

** Based upon an inlet gas pressure of 10 inwc at a pressure drop of 0.5 inwc

PROPANE GAS PIPE SIZING (DIA. IN.), HIGH-PRESSURE, 2-STAGE REGULATION

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

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

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

HEATPRO® MCHX SERIES HEAT PUMPS

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

- » **Best in class corrosion resistance.** TCP coating developed by naval air command for durability in the harshest climates.
- » **Lasts longer,** less performance degradation versus tube and fin.
- » **Less complexity,** 85% reduction in braze joints means less leak opportunities.
- » **Robust coil structure.** Protects against fin damage during installation and outdoor impacts.
- » **Weight reduction** up to 50lb weight reduction vs. tube & fin technology.
- » **Lower panel loading** 40 amp breaker can be used on 110k and 120k btu/hr units.
- » **Less refrigerant** significant reduction in refrigerant means lower environmental impact.
- » **AHRI certification certified** for performance and value.
- » **Powerful warranty** backed by a 5 year warranty.



SPECIFICATIONS

MODEL NUMBER	HP21405T	HP31205T	HP31405T
BTU HEATING CAPACITY			
80 / 80 / 80 *	138,000	120,000	135,000
80 / 80 / 63 *	128,000	110,000	125,000
50 / 80 / 63 *	82,000	75,000	82,000
BTU COOLING CAPACITY			
95 / 90 / 80 *	Heat Only	72,000	82,000
COEFFICIENT OF PERFORMANCE, HEATING			
80 / 80 / 80 *	5.7	5.7	5.7
80 / 80 / 63 *	5.5	5.5	5.5
50 / 80 / 63 *	4.0	4.0	4.0
Low Ambient Operation	✓	✓	✓
Air Operating Temperature	45-110°F	40-110°F	40-110°F
Active Defrost	-	✓	✓
Rated Voltage	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph
Recommended Breaker Size	50A	40A	50A
Water Flow Rate (Min/Max)	30 / 75 GPM	30 / 75 GPM	30 / 75 GPM
Water Connection Diameter	2 x 2-1/2 in.	2 x 2-1/2 in.	2 x 2-1/2 in.
Water Inlet to Outlet Distance	10.25 in.	10.25 in.	10.25 in.
Refrigerant	4 lb 14 oz	5 lb 4 oz	5 lb 4 oz
Refrigerant Type	R-410A	R-410A	R-410A
Unit Dimensions (LxWxH)	33.6 x 30.5 x 44 in.	33.6 x 30.5 x 44 in.	33.6 x 30.5 x 44 in.
Unit Weight	233 lbs.	240 lbs.	240 lbs.
Unit Shipping Dimensions (LxWxH)	36.5 x 31 x 49 in.	36.5 x 31 x 49 in.	36.5 x 31 x 49 in.
Unit Shipping Weight	281 lbs.	288 lbs.	288 lbs.
Rear & Side Clearance (Min)	12"	12"	12"



An underwater photograph of a swimming pool, looking down the length of the pool. Lane lines and a central divider are visible, stretching towards the far end. The water is clear blue, and the pool floor is tiled. The perspective creates a strong sense of depth.

WHITE GOODS AND VALVES

ENGINEERED THERMOPLASTIC SOLUTIONS FOR OPTIMAL HYDRAULIC PERFORMANCE.

Hayward®'s full line of industrial thermoplastic valves and process control products are designed and engineered to be the most reliable in the industry. We employ precision manufacturing processes and rigorous quality assurance procedures to make sure our flow control products and white goods deliver optimum performance and long-lasting durability while meeting or exceeding industry standards and regulations. In other words, we take care of the details so you can focus on the big picture: building the very best commercial pools.

Commercial Flow Control

Hayward Flow Control has manufactured industrial thermoplastic valves and process control products since the inception of the thermoplastic valve industry over 60 years ago. We have earned an unsurpassed reputation for product design, manufacturing precision, quality assurance, experience and know-how and a total commitment to customer satisfaction and support.



TRUE UNION PVC BALL VALVES - TBH SERIES

- » Full 250 psi / PN16 Rating up to 2"/DN50 and 235psi/PN16, Non-Shock at 70°F / 23°C.
- » Integral ISO 5211 Mounting Pad for Easy Actuation
- » System2™ Sealing Technology Seat Carrier Design for sizes up to 2"/DN50- Patent Pending
- » Permanent Laser Markings, Eliminates Labels
- » UV Resistant Sure Grip Ergonomic Handle



PART NUMBER	DESCRIPTION	CARTON QTY
TBH1050ASTE0000	1/2" PVC TB VALVE S/T EPDM	1
TBH1075ASTE0000	3/4" PVC TB BALL VALVE S/T EPDM	1
TBH1100ASTE0000	1" PVC TB VALVE SOC/THD EPDM	1
TBH1150ASTE0000	1-1/2" PVC TB VALVE SOC/THD EPDM	1
TBH1200ASTE0000	2" PVC TB VALVE SOC/THD EPDM	1
TBH1250A0SE0000	2-1/2" PVC TB SOC W/EPDM SAFE	1
TBH1250A0TE0000	2-1/2" PVC TB THD W/EPDM SAFE	1
TBH1300A0SE0000	3" PVC TU BALL VALVE SKT EPDM	1
TBH1300A0TE0000	3" PVC TU BALL VALVE THD EPDM	1
TBH1400A0SE0000	4" PVC TU BALL VALVE SKT EPDM	1
TBH1400A0SV0000	4" PVC TB VALVE SOC LATCHING HAN	1
TBH1400A0TE0000	4" PVC TU BALL VALVE THD EPDM	1
TBH1600A0FE0000	6" PVC TU SAFE BLOCK BALL VAL	1

COMPACT BALL VALVES - QVC SERIES (GRAY AND WHITE)

- » Pressure rating 150 psi
- » EPDM seals
- » Santoprene® seats



PART NUMBER	DESCRIPTION	CARTON QTY
QVC1005SSEG	1/2" PVC COMPACT BALL VALVE SOC	210
QVC1005SSEW	1/2" PVC COMPACT BALL VALVE SOC	210
QVC1005TSEG	1/2" PVC COMPACT BALL VALVE THD	210
QVC1005TSEW	1/2" PVC COMPACT BALL VALVE THD	210
QVC1007SSEG	3/4" PVC COMPACT BALL VALVE SOC	140
QVC1010SSEG	1" PVC COMPACT BALL VALVE SOC	100
QVC1010SSEW	1" PVC COMPACT BALL VALVE SOC	100
QVC1010TSEG	1" PVC COMPACT BALL VALVE THD	100
QVC1010TSEW	1" PVC COMPACT BALL VALVE THD	100
QVC1015SSEG	1 1/2" PVC COMPACT BALL VALVE SOC	40
QVC1015SSEW	1 1/2" PVC COMPACT BALL VALVE SOC	40
QVC1015TSEG	1 1/2" PVC COMPACT BALL VALVE THD	40
QVC1015TSEW	1 1/2" PVC COMPACT BALL VALVE THD	40
QVC1020SSEG	2" PVC COMPACT BALL VALVE SOC	30
QVC1020SSEW	2" PVC COMPACT BALL VALVE SOC	30
QVC1020TSEG	2" PVC COMPACT BALL VALVE THD	30
QVC1020TSEW	2" PVC COMPACT BALL VALVE THD	30
QVC1025SSEG	2 1/2" PVC COMPACT BALL VALVE SOC	12
QVC1025SSEW	2 1/2" PVC COMPACT BALL VALVE SOC	12
QVC1025TSEG	2 1/2" PVC COMPACT BALL VALVE THD	12

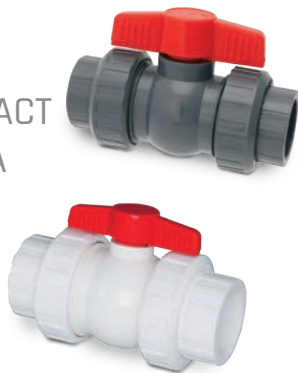
COMPACT BALL VALVES - QVC SERIES (CONTINUED)

- » Pressure rating 150 psi
- » EPDM seals
- » Santoprene® seats



TRUE UNION COMPACT BALL VALVES - QTA SERIES (GRAY AND WHITE)

- » Pressure rating 150 psi
- » EPDM seals
- » Santoprene seats



TRUE UNION PVC BALL VALVES - TBB SERIES

- » Pressure rating 225 psi
- » EPDM seals
- » PTFE seats
- » Double O-Ring stem seals



ACTUATED BALL VALVES - EAU1 SERIES

- » Pressure rating 250 psi
- » True Union design
- » EPDM seals
- » PTFE seats
- » Double O-Ring stem seals
- » Assembled with actuator and linkage
- » Electric actuator details
- » 90-degree operation
- » UL/CSA Listed motor
- » Standard 120 Volt
- » Light weight and compact design



PART NUMBER	DESCRIPTION	CARTON QTY
QVC1025TSEW	2 1/2" PVC COMPACT BALL VALVE THD	12
QVC1030SSEG	3" PVC COMPACT BALL VALVE SOC	8
QVC1030SSEW	3" PVC COMPACT BALL VALVE SOC	8
QVC1030TSEG	3" PVC COMPACT BALL VALVE THD	8
QVC1030TSEW	3" PVC COMPACT BALL VALVE THD	8
QVC1040SSEG	4" PVC COMPACT BALL VALVE SOC	6
QVC1040SSEW	4" PVC COMPACT BALL VALVE SOC	6
QVC1040TSEG	4" PVC COMPACT BALL VALVE THD	6
QVC1040TSEW	4" PVC COMPACT BALL VALVE THD	6

PART NUMBER	DESCRIPTION	CARTON QTY
QTA1005CSEG	1/2" PVC TU COMPACT VALVE S/T	140
QTA1005CSEW	1/2" PVC TU COMPACT VALVE S/T	140
QTA1007CSEG	3/4" PVC TU COMPACT VALVE S/T	80
QTA1007CSEW	3/4" PVC TU COMPACT VALVE S/T	80
QTA1010CSEG	1" PVC TU COMPACT VALVE S/T	50
QTA1010CSEW	1" PVC TU COMPACT VALVE S/T	50
QTA1015CSEG	1 1/2" PVC TU COMPACT VALVE S/T	20
QTA1015CSEW	1 1/2" PVC TU COMPACT VALVE S/T	20
QTA1020CSEG	2" PVC TU COMPACT VALVE S/T	18
QTA1020CSEW	2" PVC TU COMPACT VALVE S/T	18

PART NUMBER	DESCRIPTION	CARTON QTY
TBB1005CPEG	TRUE UNION BALL VALVE GRAY 1/2"	48
TBB1007CPEG	TRUE UNION BALL VALVE GRAY 3/4"	36
TBB1010CPEG	TRUE UNION BALL VALVE GRAY 1" PV	24
TBB1015CPEG	TRUE UNION BALL VALVE GRAY 1-1/2"	24
TBB1020CPEG	TRUE UNION BALL VALVE GRAY 2" PV	12
TBB1025SPEG	2 1/2" PVC TBB VALVE GRAY SOC	6
TBB1025TPEG	2 1/2" PVC TBB VALVE GRAY THD	6
TBB1030SPEG	3" PVC TBB VALVE GRAY SOC EPDM	6
TBB1030TPEG	3" PVC TBB VALVE GRAY THD EPDM	6
TBB1040TPEG	4" PVC TBB VALVE GRAY THD EPDM	1

PART NUMBER	DESCRIPTION	CARTON QTY
EAU128	ELEC ACT 180 DEGREE ROTATION 1	1
EAU129	ELEC ACT 90 DEGREE ROTATION 11	1
EATBH110STE	1" TB PVC, EPDM, W/ELEC ACT	1
EATBH120STE	2" TB, PVC, EPDM, W/ELEC ACT	1
EATBH105STE	1/2" ELEC ACT TB VALVE PVC W/EPD	1
EAUTBH105STV	1/2" ELEC ACT TB VALVE PVC W/VIT	1
EAUTBH107STE	3/4" ELEC ACT TB VALVE PVC W/EPD	1
EAUTBH107STV	3/4" ELEC ACT TB VALVE PVC W/VIT	1
EAUTBH107STE	1"ELEC ACT TB VALVE PVC W/EPDM S	1
EAUTBH110STV	1"ELEC ACT TB VALVE PVC W/VITON	1
EAUTBH115STE	1 1/2" PVC TB EPDM W/ELEC ACT	1
EAUTBH115STV	1 1/2" PVC TB FPM W/ELEC ACT	1
EAUTBH120STE	2" ELEC ACT TB VALVE PVC W/EPDM	1
EAUTBH120STV	2" ELEC ACT TB VALVE PVC W/VITON	1

TRUE UNION PVC BALL CHECK VALVES – TC SERIES

- » Pressure rating
150 psi: 2½"–6"
235 psi: ½"–2"
- » EPDM seals
- » For horizontal or vertical installation
- » NSF/ANSI Standard 61 Certified (1/2"–4")



Certified to
NSF/ANSI/CAN 61

TRUE UNION SOLENOID VALVES – SV SERIES

- » Available in PVC and CPVC
- » Available with FPM or EPDM seals
- » Continuous or 100% duty applications
- » Corrosion-resistant polyester coil
- » No pressure differential required for operation
- » Four-position electrical connection
- » ½" conduit or SJ type cord electrical connection
- » 110 VAC is standard
- » Normally closed design



PART NUMBER	DESCRIPTION	CARTON QTY
TC10050ST	1/2 IN PVC TRUE CHECK SOC & THD	12
TC10075STE	3/4" PVC T/C SOC & THD W/EPDM	12
TC10100FE	1" PVC TC BALL CHECK FLG EPDM	6
TC10100STE	1 IN PVC TRUE CHECK SOC & THD	12
TC10150STE	1-1/2" PVC TC SOC & THD EPDM	6
TC10200STE	2 IN PVC TRUE CHECK SOC & THD	1
TC1250SE	2-1/2" PVC TC SOC, EPDM VALVE	1
TC1250TE	2-1/2" PVC TC THD, EPDM VALVE	1
TC2250SE	2 1/2" CPVC TC BALL CHECK SKT	1
TC1300SE	3" PVC BALL CHECK VALVE SKT E	1
TC1300TE	3" PVC TRUE BALL VALVE THD EPDM	1
TC1400SE	4" PVC BALL CHECK SKT EPDM	1
TC1400TE	4" PVC BALL CHECK THD EPDM	1
TC1600FE	6" PVC TRUE UNION BALL CHE	1

PART NUMBER	DESCRIPTION	CARTON QTY
SV10050STE	1/2" PVC SOL VALVE SOC & THD EPD	1
SV10050STE220A	1/2" PVC SOL VALVE SOC & THD EPD	1
SV10050STV	1/2" PVC SOL VALVE SOC & THD VIT	1
SV10075STE	3/4" PVC SOL VALVE SOC & THD EPD	1
SV10075STE220A	3/4" PVC SOL VALVE SOC & THD EPD	1
SV10075STE24A/D	3/4" PVC SOL VALVE 24 VAC/DC EPD	1
SV10075STV	3/4" PVC SOL VALVE SOC & THD VIT	1
SV10075STV24A/D	3/4" PVC SOL VALVE 24 VAC/DC VIT	1
SV10100STE	1" PVC SOL VALVE SOC & THD EPDM	1
SV10100STV	1" PVC SOL VALVE SOC & THD VITON	1

BUTTERFLY VALVES (LEVER OPERATED)

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 316 SS stem
- » 9-position throttle plate
- » NSF/ANSI Standard 61 Certified



Certified to
NSF/ANSI/CAN 61

PART NUMBER	DESCRIPTION	CARTON QTY
BYCN1020E1LGB	2" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1025E1LGB	2 1/2" BYCN PVC/PVC/EPDM/316/L	8
BYCN1030E1LGB	3" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1040E1LGB	4" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1050E1LGB	5" BYCN PVC/PVC/EPDM/316/LEVER	3
BYCN1060E1LGB	6" BYCN PVC/PVC/EPDM/316/LEVER	3
BYCN1080E1LGB	8" BYCN PVC/PVC/EPDM/316/LEVER	3

BUTTERFLY VALVES (LEVER OPERATED) – BYV SERIES

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 1 Piece 316 SS stem
- » 19-position throttle plate
- » Hydro dynamic disc
- » External disc position and flow indication
- » NSF/ANSI Standard 61 Certified



PART NUMBER	DESCRIPTION	CARTON QTY
BYV11020A0EL000	2" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11025A0EL000	2 1/2" BYV BFLY VALVE PVC/PVC/E	1
BYV11030A0EL000	3" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11040A0EL000	4" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11060A0EL000	6" BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11080A0EL000	VL1BYV BFLY VALVE PVC/PVC/EPDM L	1
BYV11120A0EG000	12" BYV BFLY VALVE PVC/PVC/EPDM/	1

BUTTERFLY VALVES (GEAR OPERATED)

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 316 SS stem
- » Robust aluminum gear operator with stainless steel shaft, IP65 rating
- » NSF/ANSI Standard 61 Certified



PART NUMBER	DESCRIPTION	CARTON QTY
BYCN1020E1GGB	2" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1025E1GGB	2 1/2" BYCN PVC/PVC/EPDM/316/G	1
BYCN1030E1GGB	3" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1040E1GGB	4" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1050E1GGB	5" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1060E1GGB	6" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1080E1GGB	8" BYCN PVC/PVC/EPDM/316/GEAR/	1

BUTTERFLY VALVES (GEAR OPERATED) – BYV SERIES

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 1 Piece 316 SS stem
- » 19-position throttle plate
- » Hydro dynamic disc
- » External disc position and flow indication
- » NSF/ANSI Standard 61 Certified



PART NUMBER	DESCRIPTION	CARTON QTY
BYV11020A0EG000	2" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11025A0EG000	2 1/2" BYV BFLY VALVE PVC/PVC/EP	1
BYV11030A0EG000	3" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11040A0EG000	4" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11060A0EG000	6" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11080A0EG000	8" BYV BFLY VALVE PVC/PVC/EPDM G	1
BYV11100A0EG000	10" BYV BFLY VALVE PVC/PVC/EPDM/	1

FULL PATTERN PVC WAFER CHECK VALVES – WCV SERIES

- » Pressure rating 150 psi
- » One-piece disk and shaft design
- » EPDM gasket and face seal
- » Full pattern body – no need for spacers or specialty flanges
- » Contoured inlet port for easy flow
- » Can be installed in vertical or horizontal position



PART NUMBER	DESCRIPTION	CARTON QTY
WCV1200E	2" PVC WAFER FULL PATTERN CHK	1
WCV1250E	2 1/2" PVC WAFER FULL PATTERN	1
WCV1300E	3" PVC WAFER FULL PATTERN CHK	1
WCV1400E	4" PVC WAFER FULL PATTERN CHK	1
WCV1600E	6" PVC WAFER FULL PATTERN CHK	1
WCV1800E	8" PVC WAFER FULL PATTERN CHK	1
WCV11000E	10" WAFER CHECK VALVE EPDM	1
WCV11200E	12" PVC WAFER FULL PATTERN CHECK VALVE - EPDM O-RING	1

FULL PATTERN PVC WAFER CHECK VALVES – WCV SERIES

- » Pressure rating 150 psi
- » One-piece disk and shaft design
- » EPDM gasket and face seal
- » Full pattern body – no need for spacers or specialty flanges
- » Contoured inlet port for easy flow
- » Can be installed in vertical or horizontal position
- » 316 SS disc spring



PART NUMBER	DESCRIPTION	CARTON QTY
WCV1200ES	2" PVC WAFER FULL PATTERN CHK	1
WCV1250ES	2 1/2" PVC WAFER FULL PATTERN	1
WCV1300ES	3" PVC WAFER FULL PATTERN CHK	1
WCV1400ES	4" PVC WAFER FULL PATTERN CHK	1
WCV1600ES	6" PVC WAFER FULL PATTERN CHK	1
WCV1800ES	8" PVC WAFER FULL PATTERN CHK	1
WCV11000ES	10" WAFER CHECK VALVE EPDM SST	1
WCV11200ES	12" PVC WAFER FULL PATTERN CHECK VALVE W/SS SPRING; EPDM O-RING	1

PVC SIMPLEX BASKET STRAINER – SB SERIES

- » Pressure rating 150 psi
- » PVC body and basket
- » EPDM seals
- » Multiple basket material options
- » Ergonomic hand-removable cover
- » True Union connections
- » Each strainer includes a standard basket
- » 1/2"–1" Standard 1/32" Perforation
- » 1 1/2"–4" Standard 1/8" Perforation
- » NSF/ANSI Standard 61 Certified



PART NUMBER	DESCRIPTION	CARTON QTY
SB1100ST132	1" SIMPLEX, PVC, FPM, SOC, THD 1/32	1
SB1100STE132	1" SIMPLEX, PVC, EPDM, SOC, THD, 1/32	1
SB1150ST18	1 1/2" PVC SIMPLEX SOC/THD 1/18	1
SB1150STE18	1 1/2" SIMPLEX PVC EPDM 1/8 PE	1
SB1200ST18	2" PVC SIMPLEX SOC/THD 1/8 PER	1
SB1200STE132	2" SIMPLEX, PVC, EPDM, SOC&THD 1/32	1
SB1200STE18	2" SIMPLEX, PVC, EPDM, SOC, THD, 1/18	1
SB1200STES132	2" SIMPLEX, PVC, EPDM, SOC&THD 1/32	1
SB1250S18	SIMPLEX BS, 2 1/2" SOC, PVC 1/8	1
SB1250SE18	2 1/2" SIMPLEX PVC EPDM SOC 1/8	1
SB1250T18	SIMPLEX BS, 2 1/2" THD, PVC 1/8	1
SB1250TE18	2 1/2" SIMPLEX PVC EPDM THD 1/8	1
SB1300S18	SIMPLEX BS, 3" SOC, PVC, 1/8" PER	1
SB1300SE18	3" SIMPLEX, PVC, EPDM, SOC, 1/8 PE	1
SB1300T18	SIMPLEX BS, 3" THD, PVC, 1/8" PER	1
SB1300TE18	3" SIMPLEX, PVC, EPDM, THD, 1/8 PE	1
SB1400FES18	SIMPLEX BS, 4" FLG, PVC, EPDM 1/18	1
SB1400S18	SIMPLEX BS, 4" SOC, PVC, 1/8" PER	1
SB1400SE18	4" SIMPLEX, PVC, EPDM, SOC, 1/8 PE	1
SB1400T18	SIMPLEX BS, 4" THD, PVC, 1/8" PER	1
SB1400TE18	4" SIMPLEX, PVC, EPDM, THD, 1/8 PE	1



Certified to
NSF/ANSI/CAN 61

CLEAR PVC Y-STRAINERS - YS SERIES

- » Available in PVC, CPVC, Clear PVC and PVDF
- » Horizontal or Vertical Installation
- » FPM O-Ring Seals
- » 2:1 Open Area Ratio
- » Hex Cap for Easy Access to Screen
- » Standard Screen has 1/32" Perforation



PART NUMBER	DESCRIPTION	CARTON QTY
YS00050SU	1/2" PVC CLEAR Y-STRAINER,SOC	1
YS00050TU	1/2" CLEAR PVC Y STRAINER THD	1
YS00075SU	3/4" CLEAR PVC Y-STRAINER, SOC	1
YS00075TU	3/4" CLEAR PVC Y-STRAINER, THD	1
YS00100SU	1" CLEAR PVC Y-STRAINER,SOC,TR	1
YS00100TU	1" CLEAR PVC Y-STRAINER,THD UN	1
YS00150SU	1-1/2" CLEAR PVC Y-STRAINER,SO	1
YS00150TU	1-1/2" CLEAR PVC Y-STRAINER,TH	1
YS00200SU	2" CLEAR PVC Y-STRAINER, SOC. TRUE U	1
YS00200TU	2" CLEAR PVC Y-STRAINER,THD TR	1

SOLID GRAY PVC Y-STRAINERS - YS SERIES

- » Available in PVC, CPVC, Clear PVC and PVDF
- » Horizontal or Vertical Installation
- » FPM O-Ring Seals
- » 2:1 Open Area Ratio
- » Hex Cap for Easy Access to Screen
- » Standard Screen has 1/32" Perforation



PART NUMBER	DESCRIPTION	CARTON QTY
YS10050SU	1/2" PVC Y-STRAINER, SOC. TRUE	1
YS10050TU	1/2" PVC Y-STRAINER, THD. TRUE	1
YS10075SU	3/4" PVC Y-STRAINER, SOC. TRUE	1
YS10075TU	3/4" PVC Y-STRAINER, THD. TRUE	1
YS10100SU	1" PVC Y-STRAINER, SOC. TRUE U	1
YS10100TU	1" PVC Y-STRAINER, THD. TRUE U	1
YS10150SU	1-1/2" PVC Y-STRAINER, SOC. TR	1
YS10150TU	1-1/2" PVC Y-STRAINER, THD. TR	1
YS10200SU	2" PVC Y-STRAINER, SOC. TRUE U	1
YS10250SU	2-1/2" PVC Y-STRAINER, SOC. TR	1
YS10250TU	2-1/2" PVC Y-STRAINER, THD. TR	1
YS10300F	3" PVC Y-STRAINER, FLG'D.	1
YS10300SU	3" PVC Y-STRAINER, SOC. UNION	1
YS10300TU	3" PVC Y-STRAINER, THD. UNION	1
YS10400F	4" PVC Y-STRAINER, FLG'D.	1
YS10400SEU	4" PVC Y STRAINER SOC TRUE UNI	1
YS10400TU	4" PVC Y-STRAINER, THD. UNION	1

Flanged connections are available. Please call for part number and pricing information. All Hayward® Flow Control products have a 3-year warranty as standard. All Hayward Flow Control items are based on a per-unit cost with the exception of all QVC Series ball valves, which are sold as bag quantities only. If bag quantities are broken, there will be a 25% upcharge. All Flow Control products manufactured are in compliance with ISO 9001:2015 standards.



PSV VALVES

3" VALVES - 3-WAY, 2-WAY AND CHECK

- » Industrial, high-performance seal for superior chemical resistance for long-term durability
- » Clear closed port indication for easy-to-identify flow management
- » Lower headloss for up to 230 gpm vs. competition at 170gpm*
- » No couplings needed vs. competition
- » Long lasting durability all components are made of corrosion resistant materials allowing for proper function over an extended life.



PART NUMBER	TYPE	PIPE SIZE	MATERIAL	CTN QTY
PSV3S3	3-Way	3"	CPVC	1
PSV2S3	2-Way	3"	CPVC	1
PSCV2S3	Check	3"	CPVC	1



Commercial White Goods

For residential and commercial concrete pools, Hayward square drain covers are available in a wide range of sizes and flow designs to satisfy any installation requirement. Whether the application demands frames and covers for new construction or replacement cover assemblies for existing installations, Hayward suction outlets set the standard for quality and value.

Hayward's High Flow covers have some of the industry's highest approved flow rates. Each size and flow design cover retrofit to existing Hayward frames and are designed for an extensive 7 year life span.



VGB ACT-COMPLIANT HIGH-FLOW DRAIN COVERS AND FRAMES

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

Applications

- » Meets various flow category requirements
- » Installations in concrete, residential and commercial pools

Features

- » Certified to ANSI/APSP/ICC-16 2017
- » Retrofits to all Hayward existing frames
- » 7-year life
- » 1-year limited warranty

MODEL NUMBER	PIPE SIZE	MOUNTING POSITION	SUMP PORT LOCATION	APPROVED FLOW GPM
WG1031BHF2 & WG1031HF2PAK2 (9" x 9")	2.5"	Floor	Side	172
	2.5"	Wall	Side	184
	2.5"	Wall	Bottom	224
	3"	Floor	Side	264
	3"	Wall	Side	224
	3"	Wall	Bottom	224
WG1032BHF2 & WG1032HF2PAK2 (12" x 12")	3"	Floor	Side	416
	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WG1033BHF2 & WG1033HF2PAK2 (18" x 18")	3"	Floor	Side	484
	3"	Wall	Bottom	484
	4"	Floor	Side	656
	4"	Wall	Bottom	688
	6"	Floor	Side	815
	6"	Wall	Bottom	732
WG1061HF2PAK2 (9" x 9")	2.5" & 3"	Floor	Side	264
	2.5" & 3"	Wall	Bottom	224

MODEL NUMBER	SIZE	COVER OPEN AREA SQ. IN.	1.5 FT/SEC. FLOW RATE GPM	CARTON QTY.	CARTON WEIGHT
REPLACEMENT COVER & INNER FRAME					
WG1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WG1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WG1033BHF2	18" x 18"	124.1	580	10	39 lbs.
COVER, INNER FRAME & OUTER FRAME (2 PER PACK)					
WG1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WG1032HF22PAK2	12" x 12"	41.07	192	4	30 lbs.
WG1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
3" SUCTION OUTLET SUMP WITH COVER (2 PER PACK)					
WG1036HF2PAK2	9" x 9"	23.96	112	1	6 lbs.



Review expiration dates of current VGB-compliant installed drain covers



HIGH-FLOW DRAIN COVERS AND FRAMES MAXIMUM ALLOWABLE FLOW RATES

PORT SIZE	PORT LOCATION AND SUMP LOCATION	APPROVED FLOW GPM
2"	Side Port Floor-Mounted	116
2"	Bottom Port Floor-Mounted	123
2"	Side Port Wall-Mounted	66
2"	Bottom Port Wall-Mounted	59
1 1/2"	Side Port Floor-Mounted	107
1 1/2"	Bottom Port Floor-Mounted	122
1 1/2"	Side Port Wall-Mounted	72
1 1/2"	Bottom Port Wall-Mounted	64

RDX UNBLOCKABLE DRAIN

Paramount® continues to lead in drain technology with the RDX™ Unblockable Drain. This cutting-edge advancement in drain safety is VBG complaint, invisible and unblockable. The RDX combines safety and high flow in a single outlet, ensuring the swift and effective removal of debris. Compatible with concrete finishes, it is easy to install with less plumbing than conventional drains and blends seamlessly into the pool floor.

- » **Full fill center** – reduces the risk of cracking, enabling a solid fill throughout.
- » **Adjustable plumbing** – includes 4" rotatable elbows for easy alignment.
- » **Flexible installation** – offers 2.5" Of vertical adjustment and can be angled up to 1". Compatible with concrete finishes.
- » **Easy to service** – removeable covers for quick access.
- » **Available in 4 designer colors** – white, black, dark grey, light grey.
- » **True debris mitigation** – large capacity sump eliminates plugged drains and collects large debris.
- » **Vgb compliant design** – protects against hair, limb, body and mechanical entrapment. IAPMO certified and listed for single drain use.
- » **2" Port for hydrostatic valve** – included on lower sump.



RDX UNBLOCKABLE DRAIN (One upper and one lower required)

LINE	ITEM TYPE	PART NUMBER	DESCRIPTION	FLOW RATE	LOCATION	PORT SIZE	CARTON DIMENSIONS	CARTON WEIGHT
RDX 300	Sump	404200935000	Lower Sump	1.58 FT/S @ 300GPM, 1.50 FT/S @ 284GPM	Pool Floor	3" or 4" SLIP	24.1 x 24.1 x 21.0	41 lbs.
	Upper Color Options (Pick 1)	404200925001	Upper Conc. US White				23.3 x 23.3 x 4.6	10 lbs.
		404200925002	Upper Conc. US Gray				23.3 x 23.3 x 4.6	10 lbs.
		404200925003	Upper Conc. US Black				23.3 x 23.3 x 4.6	10 lbs.
		404200925008	Upper Conc. US Light Gray				23.3 x 23.3 x 4.6	10 lbs.
RDX 200	Sump	404200930000	Lower Sump	1.06 FT/S @ 200GPM	Pool Floor	3" or 4" SLIP	24.0 x 24.0 x 15.9	30 lbs.
	Upper Color Options (Pick 1)	404200920001	Upper Conc. US White				23.3 x 23.3 x 4.6	10 lbs.
		404200920002	Upper Conc. US Gray				23.3 x 23.3 x 4.6	10 lbs.
		404200920003	Upper Conc. US Black				23.3 x 23.3 x 4.6	10 lbs.
		404200920008	Upper Conc. US Light Gray				23.3 x 23.3 x 4.6	10 lbs.

RDX REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	EXPIRATION
5052004000XX	Fillable Pebble Top Access Covers (x2)	5 years
5052005000XX	Non-fillable Solid Top Access Covers (x2)	5 years

SKIMMASTER® SERIES SKIMMERS

Our SkimMaster Series is a non-corrosive, large capacity automatic surface skimmer featuring a round, tamper-proof access cover, self-adjusting 8-inch weir with stainless steel spring for added strength, dual outlets and threaded internal connections for pressure testing. The optional float/bypass valve provides a suction outlet through skimmer system and an automatic pump bypass for low water conditions. No glue is used in manufacturing, ensuring maximum strength and longevity.

- » **Adjustable deck collar** and access cover
- » **Large debris basket** and multiple plumbing connections for easier connections
- » **Automatic bypass** for low water conditions



PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	MAX GPM
HCWG1072C	NSF 50 Listed SKIMMASTER Gunite Skimmer 2"x2.5" Socket 4.5" Throat	1	8.0	55 (2")-75(2.5")
ACCESSORIES				
SP1070P	Extension Collar for 1070 Skimmers			
SPX1070E	Replacement Basket			
SPX1071K	Replacement Weir			
WGX1070C	NSF Replacement Lid for SP1070 & SP1072			
SPX1053Z1	Skimmer Plug			
SP1070BOND	Water Bond			

AUTOSKIM™ SERIES SKIMMERS

Our AutoSkim Series skimmers are designed for demanding commercial and residential applications providing precision, large capacity and automatic surface skimming. They are molded from noncorrosive, nonconductive ABS material.

- » **Optional float/bypass valve**
- » **Stackable notched extension collar** allows infinite vertical adjustment
- » **NSF Certified** (approved when used with commercial cover and equalizer)



POOL TYPE	PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	1.5" GPM	2" GPM
AutoSkim Gunite Series	WG1082SFVE	NSF 50 Listed AutoSkim Square Skimmer 2" Gunite Socket	1	8.0	36	55
AutoSkim Fiberglass/Vinyl Series	WG1084SFVE	NSF 50 Lid (White), Float Valve and Equalizer Valve	1	8.0	36	55
ACCESSORIES						
SP1084P1	Extension Collar for SP1080 Skimmers					
SPX1082CA	Replacement Basket					
SPX1082	Replacement Weir					
WGX1082E	NSF Replacement Lid for SP1080					
SPX1053Z1	Skimmer Plug					

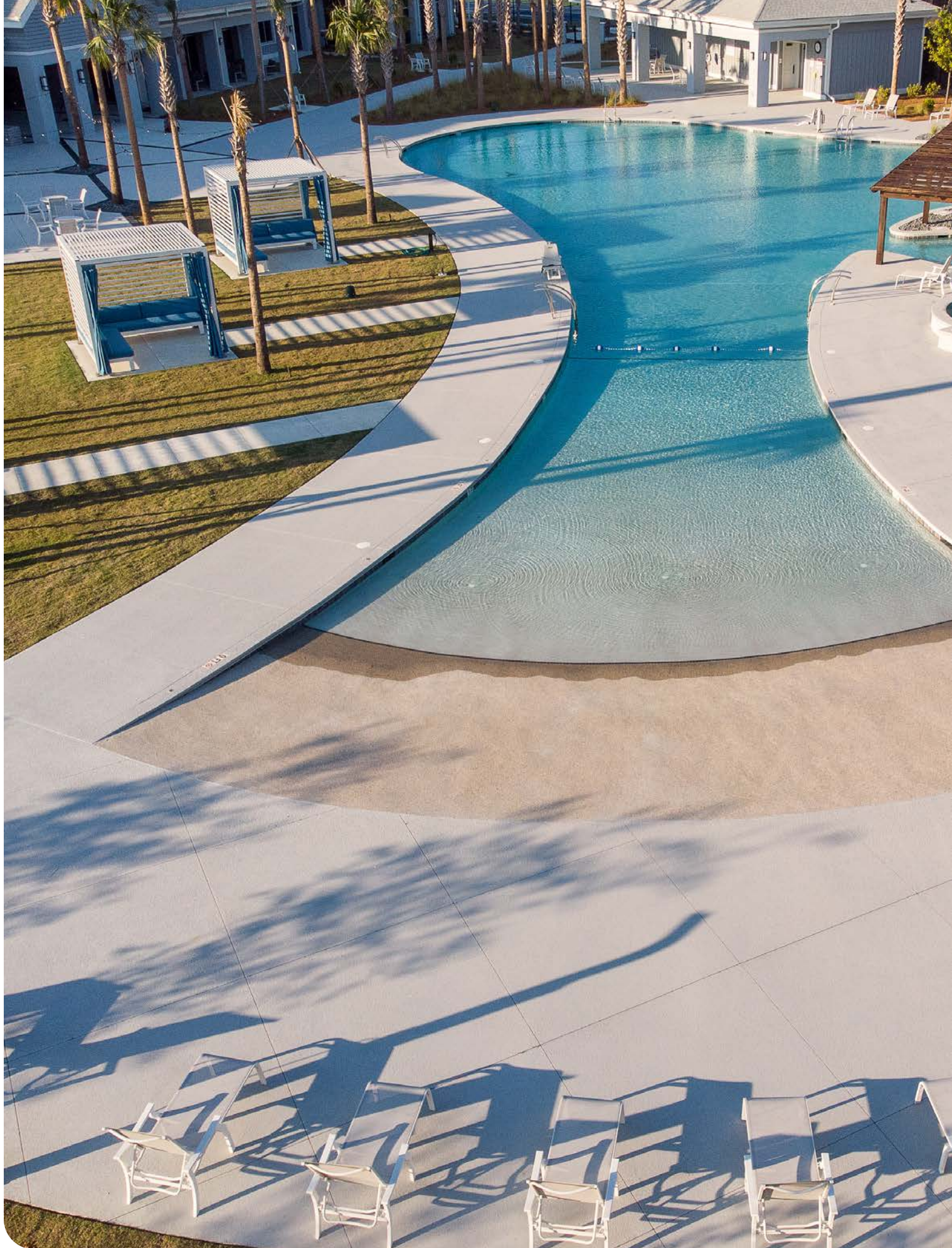
NOTE: Hayward® recommends additionally adding the float valve and equalizer kit for commercial applications.

*Available in Dark Gray. Add suffix DGR to model number.

**Available in Dark Gray. To order Dark Gray, add suffix DGR to part number. The "R" designation indicates round collar and cover assembly.

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

****With Float and Equalizer Valves. NSF-Approved Lids.



2026 COMMERCIAL WARRANTY TERMS

Warranty applies only to products that were purchased from Hayward or Hayward authorized sellers. Hayward reserves the right to reject warranty claims for any product purchased from unauthorized sellers, including unauthorized Internet sites.

PRODUCTS	2026-2025		2024		2023	
	PARTS	FIELD LABOR	PARTS	FIELD LABOR	PARTS	FIELD LABOR
Pumps						
HCP 4000 Pumps	1 Year*		1 Year*		1 Year*	
HCP 3000 Pumps	3 Years**		3 Years*	1 Year*	3 Years*	1 Year*
HCP 3000 Pumps (VSP Model)	3 Years**		3 Years**		3 Years**	
HCP 2500 Pumps (TriStar® VS C)	3 Years**		3 Years**		3 Years**	
HCP 2000 Pumps (3 Phase)	3 Years		3 Years*		3 Years*	
HCP 2000 Pumps (Single Phase)	3 Years		1 Year*		1 Year*	
	*2 years when paired with a HCP Variable Frequency Drive.		*Pump/motor failures may be repaired or exchanged across the counter in first year.			
	**Warranty is 4 years parts and labor when installed on a residential application. Seals and O-Rings, for all pumps, are covered for manufacturing defects only, which normally appear within 30 days or less of installation.					
HCP Variable Frequency Drive	1 Year*		1 Year*		1 Year*	
	*2 years when installed with a Hayward pump.					
Filters						
HCF Commercial Sand Filters <i>(HCF230C, 234C, 236C, 336C, 342C, 348C, 455C, 663C)</i>	5 Years*	1 Year	5 Years*	1 Year	5 Years*	1 Year
HCF Cartridge Filter <i>(HCF7030C)</i>	3 Years*	1 Year	3 Years*	1 Year	3 Years*	1 Year
HCF Filter Accessories <i>(Multiport Valve Kits: HCV2575C, 275, 275C, 375, 375C, 375KIT, 475C)</i>	1 Year**	None	1 Year**	None	1 Year**	None
	*Failures directly to the tank body will be allowed for across the counter exchange. All other components field repair. **Multiport Valves are covered for factory defects only.					
Gas Heaters						
Universal H-series ASME Heater	3 Years		3 Years		3 Years	
Chlorine generator & uvo ₃ systems						
Saline C® 2.0 Salt Chlorine Generator	2 Years*	None	N/A		N/A	
Saline C® 6.0 & 11.0 Salt Chlorine Generators			2 Years*	None	2 Years**	None
	*Salt cells carry an 18 month parts warranty.					
HydroRite UVPVC <i>(HYR150, 150L4, 400, 400L4, 75, 75L4)</i>	1 Year*	None	1 Year*	None	1 Year*	None
	*UV lamps, UV sensor, quartz sleeves and stainless steel sleeves are covered for 6 months only.					
	PARTS	IN-STORE LABOR	PARTS	IN-STORE LABOR	PARTS	IN-STORE LABOR
Robotic Cleaners						
All Robotic Electric Cleaners	2 Years*		2 Years*		2 Years*	
	*Filters excluded					

For the most up to date warranty information please visit: hayward.com/support/resources/warranty.
Hayward reserves the right to change warranty terms at their discretion

Warranty transfers as follows: Commercial warranty is transferable assuming product is professionally installed and is in its original location.

2026 COMMERCIAL WARRANTY TERMS (CONT.)

Warranty applies only to products that were purchased from Hayward or Hayward authorized sellers. Hayward reserves the right to reject warranty claims for any product purchased from unauthorized sellers, including unauthorized Internet sites.

PRODUCTS	2026-2025		2024		2023	
	PARTS	FACTORY LABOR	PARTS	FACTORY LABOR	PARTS	FACTORY LABOR
Chemistry Controllers						
CAT® Series Automated Chemistry Controllers		5 Years*		5 Years*		5 Years*
HCC Series Automated Chemistry Controllers		3 Years**		1 Year		1 Year

*Flow switches, fittings, accessories, and wearable items are limited to 1 year from the date of install. pH and ORP probes/sensors limited to 26 months from date of install.

**Flow switches, fittings, accessories, wearable items, and pH and ORP probes/sensors limited to 1 year from date of install.

Sensor Serial Number First character = month, and Second character = year. (Example, C9 = March 2009 manufacture date.)

	PARTS	FIELD LABOR	PARTS	FIELD LABOR	PARTS	FIELD LABOR
Misc. commercial products						
CrystaLogic® & ColorLogic® LED Lighting	3 Years	1 Year	2 Years	None	1 Year	None
PureWhite® & ColorSplash® LED Pool & Spa	3 Years	1 Year	2 Years	None	1 Year	None
Flow Control	1 Year	None	1 Year	None	1 Year	None
White Goods <i>(Skimmers and Suction outlets)</i>	1 Year	None	1 Year	None	1 Year	None
Water Features <i>(Deck Jet, Bubbler, Sheer, LED WaterBowls)</i>	1 Year	None	1 Year	None	1 Year	None

Additional warranty terms and exclusions apply. Residential products (excluding heat pumps) installed on Commercial applications will receive limited warranty coverage. Please see operations manuals for complete details.

Discover the Hayward Commercial Aquatics- Try it, Spec it, Love it Program



CAT
CONTROLLERS®



HYDRORITE® UV
DISINFECTION SYSTEM



HCP SERIES
PUMPS



SALINE C®
SALT CHLORINE
GENERATORS



HCP SERIES
VARIABLE
FREQUENCY DRIVE



HEATERS



HCF SAND FILTERS

EASY TO INSTALL. EASY TO SELL. EASY TO LOVE.

Hayward Commercial Aquatics products are expertly designed for ease of specification, installation and industry-leading energy efficiency. Through our Try it, Spec it, Love it Program, you can experience the Hayward difference firsthand when you try out one or any number of products from our extensive lineup at a significant savings. Staying on the cutting edge of advanced, innovative and efficient solutions for commercial pools and spas has never been easier—or more affordable.

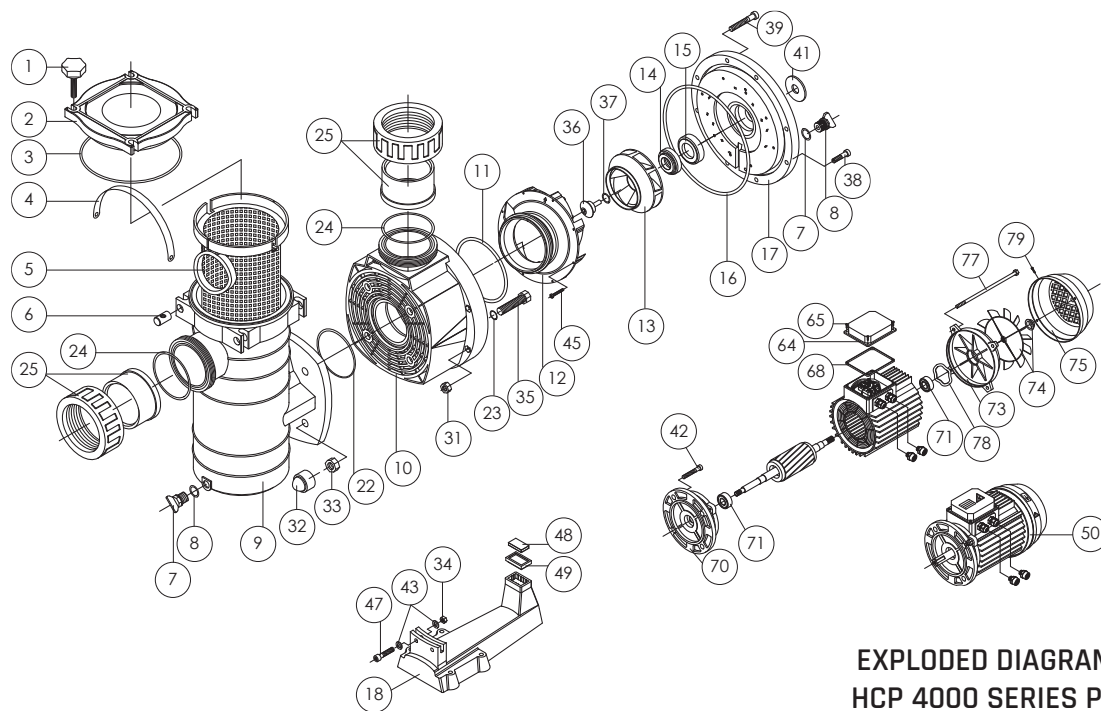




Replacement Parts

262	Commercial Pumps
267	Commercial Sand Filters
271	Commercial Cartridge Filters
272	Commercial Automation
273	Commercial Sanitization
275	Commercial Heaters
282	Commercial Cleaners
284	Commercial Flow Control
288	CAT Controllers

Commercial Pumps

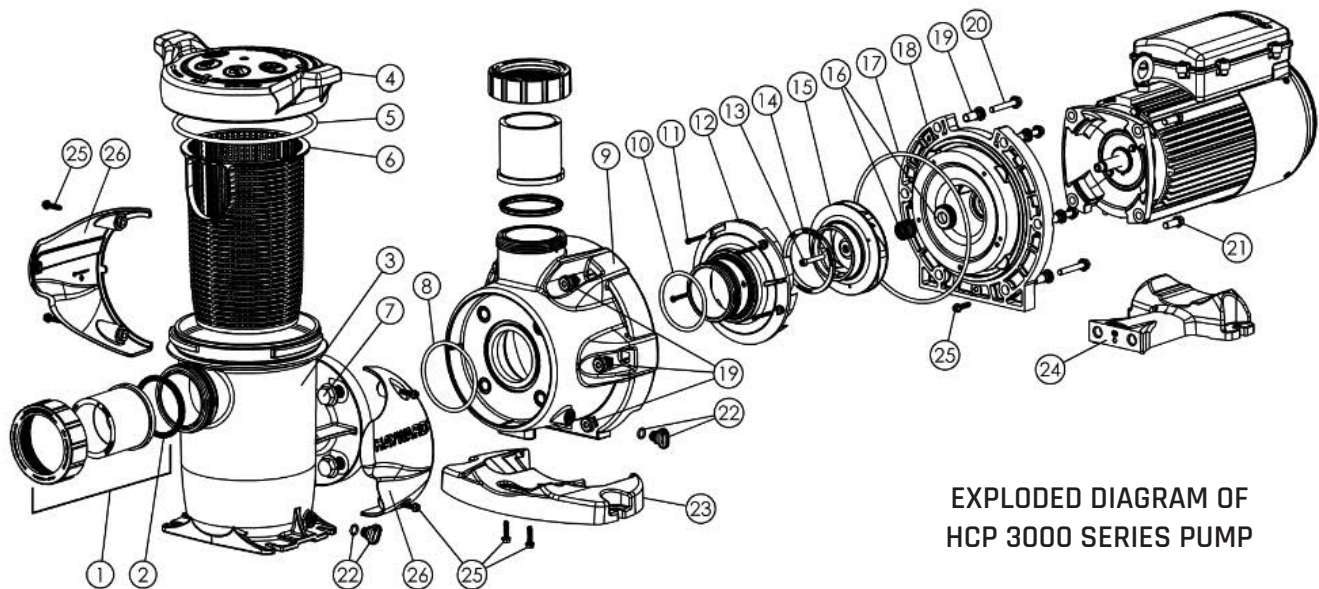


**EXPLODED DIAGRAM OF
HCP 4000 SERIES PUMP**

PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES					
HCXP6000A	Lid Bolt Set	0610377136143	Cover Screw Pin	1 6	1
HCXP6001A	Pump Lid	0610377136150	Pump Lid Pump Lid & O-Ring	2 3	1
HCXP6002A	Filter Basket	0610377136167	Filter Basket Handle	5 4	1
HCXP6004A	Seal Set	0610377136181	Diffuser Gasket Seal - spring Seal - ceramic Flange O-Ring Impeller O-Ring	11 14 15 16 37	1
HCXP6005A	Diffuser (HCP55/HCP75)	0610377136198	Diffuser 501/751 Screw DIN 7985 M3-45	12 45	1
HCXP6006A	Diffuser (HCP100/HCP125)	0610377136204	Diffuser 1001/1251 Screw DIN 7985 M3-45	12 45	1
HCXP6007A	Impeller HCP55	0610377136211	Impeller 501 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6008A	Impeller HCP75	0610377136228	Impeller 751 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6009A	Impeller HCP100	0610377136235	Impeller 1001 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6010A	Impeller HCP125	0610377136242	Impeller 1251 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES, CONTINUED					
HCXP6012A	Pump Support	0610377136266	Pump Support Rubber Pad Supplement	18 48 49	1
HCXP6013A	Drain Plug Set	0610377136273	Drain Drain O-Ring	7 8	1
HCXP6014A	Pump Lid O-Ring	0610377136280	Pump Lid O-Ring	3	1
HCXP6017A	Seal Plate	0610377136310	Plastic Flange	17	1
HCXP6018A	Seal Plate Screw Set	0610377136327	Nut DIN 934 M10 Screw DIN 912 M10 x 30 Screw DIN 912 M10 x 130	31 38 39	1
HCXP6019A	Union Connection Set (Qty of 2)	0610377136334	O-Ring Tail Piece & Nut	24 25	1
HCXP6021A	Pump Casing Bolts (Qty of 4)	0610377136358	Screw DIN 933 M16 x 40 Nut DIN 934 M16 O-Ring 16 x 3 Cover Screw	10 33 23 32	1
HCXP6022A	Pump Strainer Body	0610377136365	Filter Basket Body O-Ring Pump Casing 124 x 4	9 22	1
HCXP6023A	Pump Support Bolt Set	0610377136372	Screw DIN 912 M8 x 40 Washer DIN 125 M8 Nut DIN 934 M8	47 43 34	1
HCXP6025A	Strain Body O-Ring	0610377209793	O-Ring Pump Casing 124 x 4	22	1
HCXP55MOTOR	HCP55 Motor	0610377136396	Motor 60Hz HCP 55	50	1
HCXP75MOTOR	HCP75 Motor	0610377136402	Motor 60Hz HCP 75	50	1
HCXP100MOTOR	HCP100 Motor	0610377136419	Motor 60Hz HCP 100	50	1
HCXP125MOTOR	HCP125 Motor	0610377136426	Motor 60Hz HCP 125	50	1
HCXP6050A	Bearings Set - HCP55	0610377136433	Bearing HCP 55	71	1
HCXP6051A	Bearings Set - HCP75/100/125	0610377136440	Bearing HCP 75/100/125	71	1
HCXP6066A	Fan Cover - HCP75/100/125	0610377136501	Fan Cover for HCP 75/100/125 - 60Hz Fan Cover Screw	75 79	1

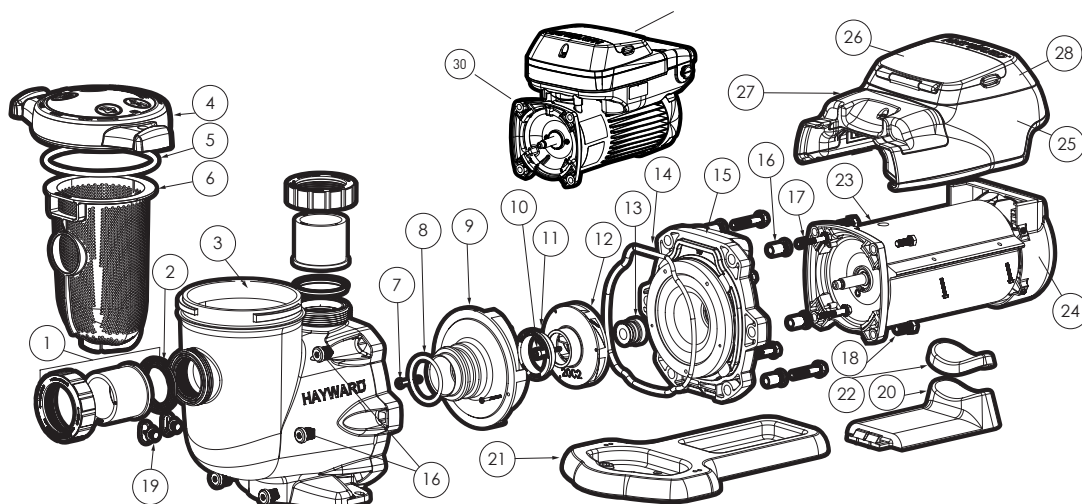




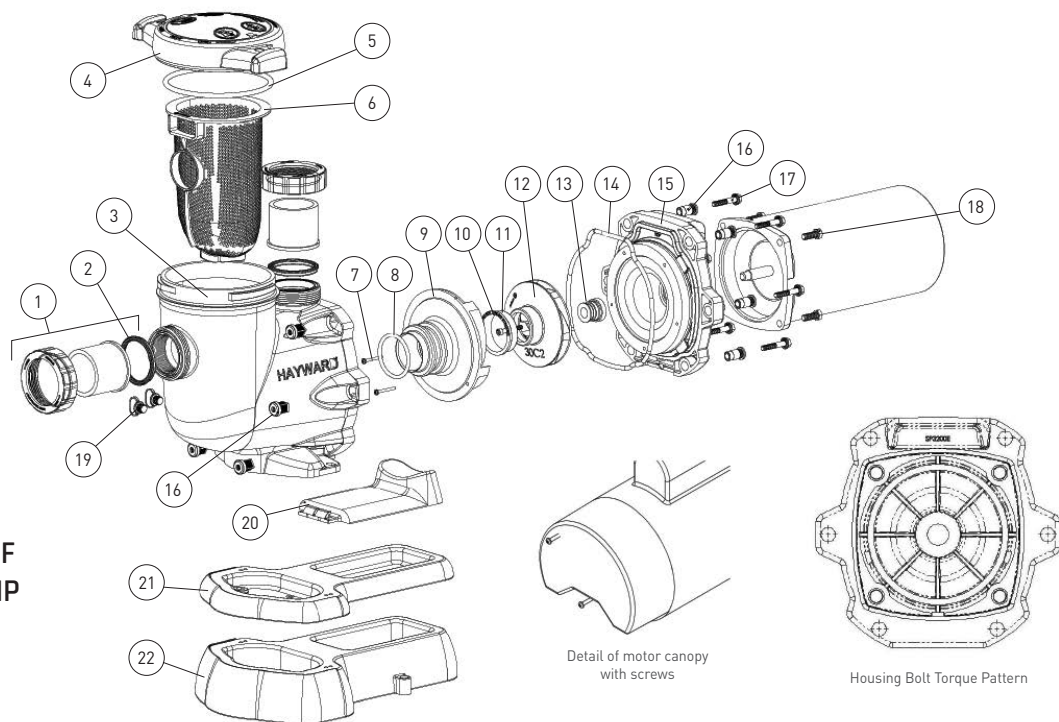
**EXPLODED DIAGRAM OF
HCP 3000 SERIES PUMP**

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 3000 SERIES				
HCXP3000UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 each)	0610377341257	1	1
HCXP3000UG	Union Gasket	0610377341295	2	—
HCXP3000H	Strainer Housing with Drain Plug	0610377341325	3	1
HCXP3000DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	0610377341356	4	5
SPX4000S	Strainer Cover O-Ring	0610377079242	5	50
HCXP3000M	Strainer Basket	0610377341448	6	1
HCXP343V70	Strainer Housing Flange O-Ring	0610377341509	8	10
HCXP3000A	Pump Housing w/Drain Plug (Power Assembly Required VSP)	0610377341547	9	1
HCXP338V60	Diffuser O-Ring	0610377341561	10	10
HCXP3000B	Diffuser, 2 - 5 HP	0610377341608	12	1
HCXP3000B2	Diffuser, 7 HP	0610377341622	12	1
SPX3200Z1	Impeller Screw	0610377912013	13	50
HCXP3000R	Impeller Ring, 2 - 5 HP	0610377341684	14	10
HCXP3001R	Impeller Ring, 7 HP	0610377341691	14	10
HCXP3020C	2 HP Impeller with Impeller Screw	0610377341714	15	10
HCXP3030C	3 HP Impeller with Impeller Screw	0610377341660	15	10
HCXP3050C	5 HP Impeller with Impeller Screw	0610377341615	15	10
HCXP3070C	7 HP Impeller with Impeller Screw	0610377341592	15	10
SPX4000SAV	Shaft Seal Assembly	0610377330459	16	10
HCXP369V70	Pump Housing O-Ring	0610377341578	17	10
HCXP3000E	Seal Plate	0610377341554	18	1
HCXP3020Z1VSPE	VSP power end 2.7 HP	0610377383349	—	1
HCP3020VSP	TriStarXL	610377292641	—	1
HCXP3020Z1D	Motor, 2 HP, Three-Phase 208-230/460V	0610377341400	—	1
HCXP3030Z1D	Motor, 3 HP, Three-Phase 208-230/460V	0610377341363	—	1
HCXP3050Z1M	Motor, 5 HP, Single-Phase 208-230V	0610377341349	—	1
HCXP3050Z1D	Motor, 5 HP, Three-Phase 208-230/460V	0610377341332	—	1
HCXP3075Z1D	Motor, 7 HP, Three-Phase 208-230/460V	0610377341318	—	1
SPX4000FG	Drain Plug And Gasket			

EXPLODED DIAGRAM OF HCP 2500 SERIES (TRISTAR® VS C) AND HCP3400VSP PUMP



PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2500 SERIES (TRISTAR® VS C) AND HCP3400VSP				
SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket) (Qty of 2)	0610377912068	1	1
SPX3200UG	Union Gasket, 50D EPDM (Qty of 2)	0610377912075	2	1
SPX3200A	Pump Strainer Housing, 2" x 2-1/2" w/Drain Plugs, Threaded Style	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	0610377911948	4	10
SPX3200S	Strainer Cover O-Ring (New Power Assembly Required)	0610377911993	5	10
SPX3200M	Strainer Basket	0610377911979	6	15
SPX3200Z8	Diffuser Screw (5 Pack)	0610377912051	7	1
SPX4000Z1	Diffuser O-Ring	0610377563666	8	10
SPX3200B3	Diffuser	0610377911924	9	1
SPX3200Z1	Impeller Screw	0610377912013	10	1
SPX3021R	Impeller Ring	0610377041393	11	1
SPX3220C	Impeller with Impeller Screw	0610377912129	12	10
SPX3200SA	Shaft Seal Assembly	0610377013123	13	10
SPX3200T	Housing O-Ring	0610377912006	14	10
SPX3200E	Seal Plate	0610377911955	15	1
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	0610377912020	16	1
SPX3200Z3	Housing Bolt	0610377912037	17	10
SPX4000FG	Drain Plug w/O-Ring	0610377551908	19	10
SPX3200GA	Bracket, Motor Support	0610377911962	20	1
SPX3200WF	Riser Base, Pentair® WhisperFlo®	0610377032605	21	1
SPX3200SR	Riser Base, Sta-Rite® Max-E-Pro™ Max-E-Glas® Dura-Glas® and Dura-Glas II®	0610377032674	21	1
SPX3200Q	Adapter-Motor Support	0610377134408	22	10
SPX3400Z1ECM	Motor Assembly for HCP3400VSP	0610377134453	23	1
SPX3400FAN	Motor Fan Shroud	0610377134507	24	5
SPX3400DR4	Motor Drive Display Cover, Black	0610377134415	26	5
SPX3400DR2	Motor Drive Wiring Cover	0610377134422	27	5
HCP3400LCD	Digital Control Interface Assembly	0610377141079	28	1
SPX3200LCD	Digital Control Interface Assembly (HCP2500VSP)	0610377240741	29	1
SPX3400DRKIT	Wall Mount Kit	0610377135474	—	5
SPX3206Z1VSPE	Power End Assembly For HCP2500VSP (Includes Items #7-17, 20, 22, 29, 30)	0610377383332	—	1



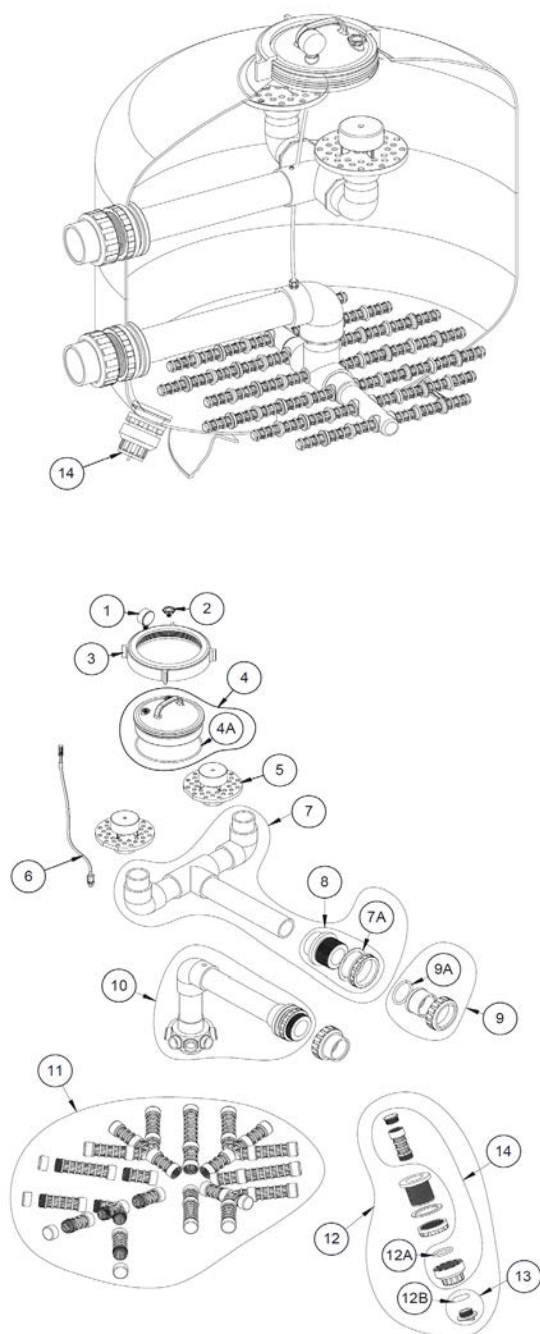
**EXPLODED DIAGRAM OF
HCP 2000 SERIES PUMP**

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2000 SERIES (TRISTAR®) PUMP				
SPX3200UNKIT	Union Connector Kit	0610377912068	1	10
SPX3200UG	Union Gasket	0610377912075	2	100
SPX3200A	Pump Strainer Housing	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit	0610377911948	4	10
SPX3200S	Strainer Cover O-Ring	0610377911993	5	50
SPX3200M	Strainer Basket	0610377911979	6	2
SPX3200Z8	Diffuser Screw (5 Pack)	0610377912051	7	50
SPX4000Z1	Diffuser O-Ring	0610377563666	8	50
SPX3200B3	Diffuser	0610377911924	9	5
SPX3200Z1	Impeller Screw	0610377912013	10	50
SPX3021R	Impeller Ring	0610377041393	11	50
SPX3205C	Impeller for 1/2 HP with Impeller Screw	0610377006187	12	10
SPX3207CM	Impeller for 3/4 HP with Impeller Screw	0610377013406	12	10
SPX3210C	Impeller for 1 HP with Impeller Screw (Full Rate)	0610377912105	12	10
SPX3215C	Impeller for 1½ HP with Impeller Screw	0610377912112	12	10
SPX3220C	Impeller for 2 HP with Impeller Screw (Full Rate)	0610377912129	12	10
SPX3230C	Impeller for 3 HP with Impeller Screw	0610377912136	12	10
SPX3230C5	Impeller for 5 HP with Impeller Screw	0610377019187	12	10
SPX3200SA	Shaft Seal Assembly	0610377013123	13	10
SPX3200T	Housing O-Ring	0610377912006	14	50
SPX3200E	Seal Plate	0610377911955	15	5
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	0610377912020	16	50
SPX3200Z3	Housing Bolt	0610377912037	17	50
SPX4000FG	Drain Plug with O-Ring	0610377551908	19	50
SPX3200GA	Bracket, Motor Support, TriStar	0610377911962	20	5
SPX3200WF	Base, Short Riser, TriStar	0610377032605	21*	1
SPX3200SR	Base, Tall Riser, TriStar	0610377032674	22*	1

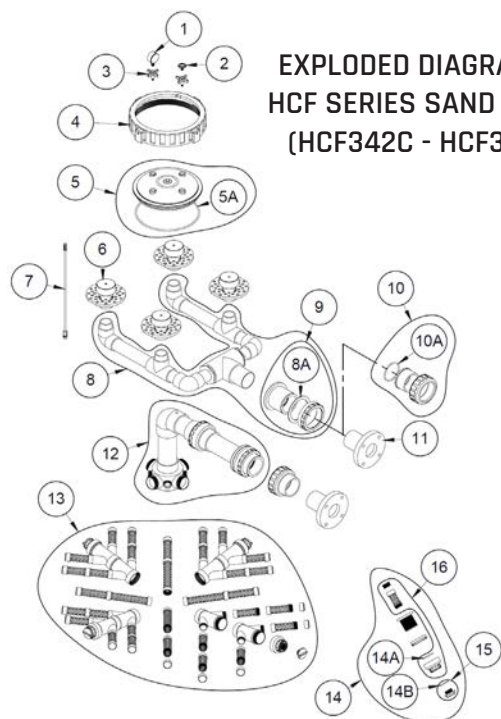
*STA-RITE is a registered trademark of Sta-Rite Industries, Inc. and WHISPERFLO is a registered trademark of Pentair Water Pool & Spa, Inc., which are used herein for identification purposes only. These are retrofit bases for existing STA-RITE and WHISPERFLO pump installations. Sta-Rite Industries, Inc. and Pentair Water Pool & Spa, Inc. are not affiliated with Hayward Pool Products®.

Commercial Sand Filters

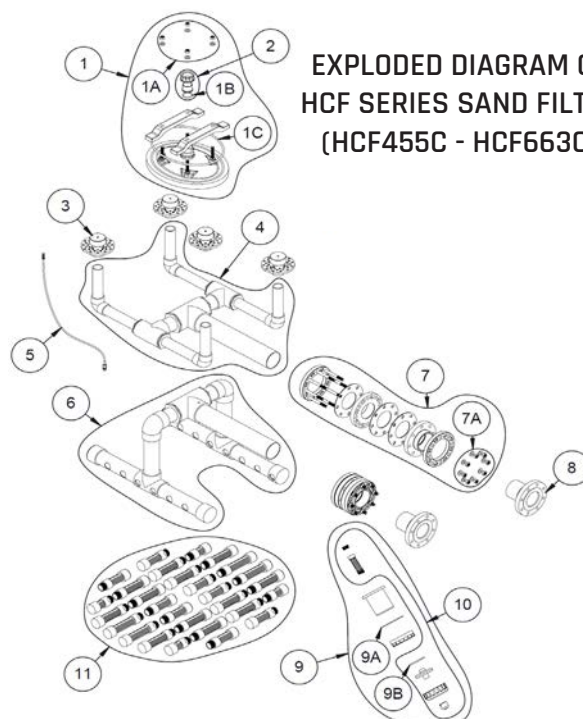
**CURRENT EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER (HCF230C - HCF336C)**



PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF230C - HCF336C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWLR003	Top Lid Locking Ring	3
HCXFWLIDKIT004	8" Clear Lid & O-Ring Kit	4
HCXFWLOR004A	8" Clear Lid O-Ring	4A
HCXFWDIF005	2" Diffusor Hydrodome	5
HCXFWTKIT006	Vent Tube Kit	6
HCXFW2DIS007	HCF230C - 2" Distributor Assy	7
HCXFW2DIS107	HCF234C - 2" Distributor Assy	7
HCXFW2DIS207	HCF236C - 2" Distributor Assy	7
HCXFW2DIS307	HCF336C - 3" Distributor Assy	7
HCXFW2BHG007A	2" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG207A	2.5" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHK008	2" Bulkhead Kit	8
HCXFW2BHK208	2.5" Bulkhead Kit	8
HCXFW2BHK308	3" Bulkhead Kit	8
HCXFW2UNAD009	2" Union Half Adapter	9
HCXFW2UNAD209	2.5" Union Half Adapter	9
HCXFW2UNAD309	3" Union Half Adapter	9
HCXFW2UNAOR009A	2" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR209A	2.5" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	9A
HCXFW2COL010	HCF230C - 2" Collector Assy	10
HCXFW2COL110	HCF234C - 2" Collector Assy	10
HCXFW2COL210	HCF236C - 2.5" Collector Assy	10
HCXFW2COL310	HCF336C - 3" Collector Assy	10
HCXFWLATKIT011	HCF230C - Lateral Kit	11
HCXFWLATKIT111	HCF234C - Lateral Kit	11
HCXFWLATKIT211	HCF236C - Lateral Kit	11
HCXFWLATKIT311	HCF336C - Lateral Kit	11
HCXFWDPA012	1.5" Drain Port Assy	12
HCXFWDPOR012A	Media Drain Cap O-Ring	12A
HCXFWDPOR012B	Water Drain Plug O-Ring	12B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	13
HCXFWDPCKIT014	Water Drain Cap & O-Ring Kit	14



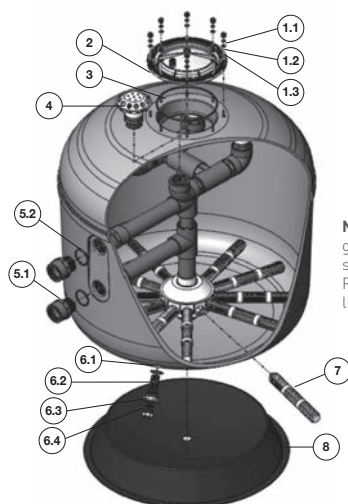
**EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER
(HCF342C - HCF348C)**



**EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER
(HCF455C - HCF663C)**

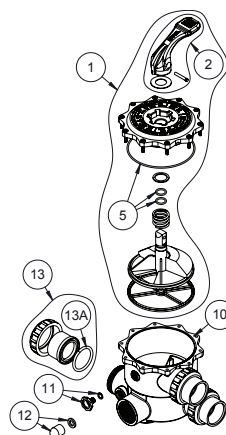
PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF342C - HCF348C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWKNOB3	Knob for Clear 12" Lid	3
HCXFWLR004	12" Filter Lock Ring	4
HCXFWLIDKIT005	12" Lid Kit	5
HCXFWLOR005A	12" Lid O-Ring	5A
HCXFWDIF005	2" Diffuser Hydrodome	6
HCXFWVTKIT006	Vent Tube Kit	7
HCXFW3DIS008	HCF342C - 3" Distributor Assy	8
HCXFW3DIS108	HCF348C - 3" Distributor Assy	8
HCXFW2BHG307A	3" Bulkhead Gasket [2 per pack]	8A
HCXFW2BHK308	3" Bulkhead Kit	9
HCXFW2UNAD309	3" Union Half Adapter	10
HCXFW2UNAOR309A	3" Union O-Ring [2 per pack]	10A
HCXFW3FLGFPASSY	3" Flange Fipt & Pipe Mipt Assy	11
HCXFW3COL012	HCF342C - 3" Collector Assy	12
HCXFW3COL112	HCF348C - 3" Collector Assy	12
HCXFWLATKIT013	HCF342C - Lateral Kit	13A
HCXFWLATKIT113	HCF348C - Lateral Kit	13B
HCXFWDPA012	1.5" Drain Port Assy	14
HCXFWDPOR012A	Media Drain Cap O-Ring	14A
HCXFWDPOR012B	Water Drain Plug O-Ring	14B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	15
HCXFWDPCKIT014	Media Drain Cap & O-Ring Kit	16

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF445C - HCF663C)		
HCXFWARV003	External Air Relief	
HCXFWLIDKIT001	Complete Lid Assy	1
HCXFW1216HDWR	Lid Nut & Washer Kit	1A
HCXFWDPOR012A	1.5" Union O-Ring	1B
HCXFWLOR001C	Filter Lid O-Ring	1C
HCXFW3UNAD002	1.5" Union Half Adapter	2
HCXFWDIF005	2" Diffuser Hydrodome	3
HCXFW4DIS004	HCF455C - 4" Distributor Assy	4
HCXFW6DIS004	HCF663C - 6" Distributor Assy	4
HCXFWVTKIT005	Vent Tube Kit	5
HCXFW4COL006	HCF455C - 4" Collector Assy	6
HCXFW6COL006	HCF663C - 6" Collector Assy	6
HCXFWPA4007	4" Port Assembly	7
HCXFWPA6007	6" Port Assembly	7
HCXFWPANW4007A	4" Port Assy Nut & Washer Kit	7A
HCXFWPANW6007A	6" Port Assy Nut & Washer Kit	7A
HCXFW4FLGFPASSY	4" Flange Fipt & Pipe Mipt Assy	8
HCXFW6FLGFPASSY	6" Flange Fipt & Pipe Mipt Assy	8
HCXFWDPA009	3" Drain Port Assy	9
HCXFW2BHG307A	3" Bulkhead Gasket [2 per pack]	9A
HCXFW2UNAOR309A	3" Union O-Ring [2 per pack]	9B
HCXFWDPCKIT010	Media Drain Cap Kit	10
HCXFWLATKIT511	HCF455C - Lateral Kit	11
HCXFWLATKIT	HCF663C Lateral Kit	1

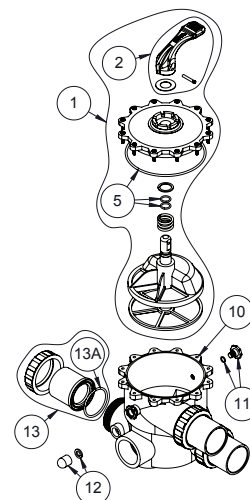


**EXPLODED DIAGRAM OF
HCF GEN 3 SERIES SAND FILTER
(HCF230, HCF234, HCF236)**

Note: Items for old HCF generation, which have since been discontinued. Parts available for limited time.

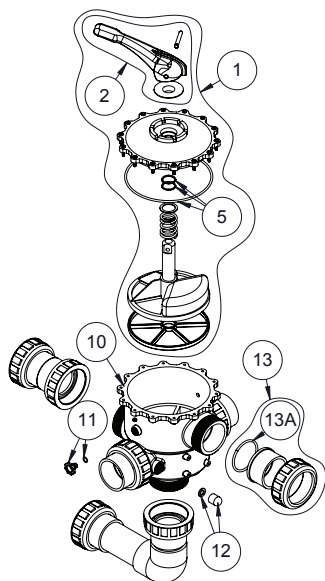


**EXPLODED DIAGRAM OF
HCV SERIES 2\"/>**

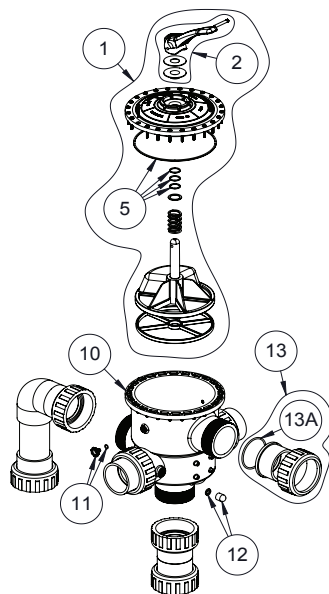


**EXPLODED DIAGRAM OF
HCV SERIES 2.5\"/>**

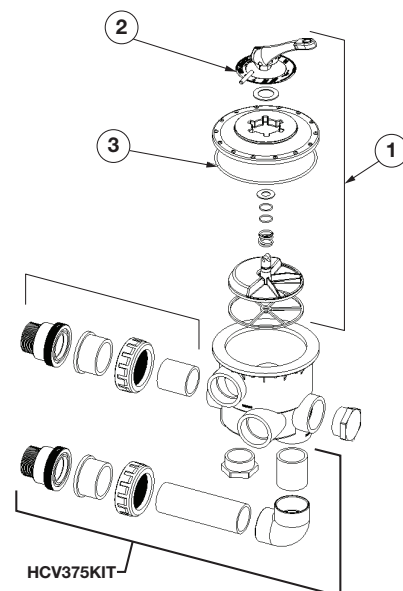
PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF230, 234, 236) (NOTE: COMPLETE FILTERS DISCONTINUED IN 2021 - PART AVAILABLE FOR LIMITED TIME)		
HCFMCH1000	Lid Hardware Kit (Contains 8 sets per kit)	1.1, 1.2, 1.3
HCFMCL1000	Polycarbonate Manway Cover & Lid O-Ring Kit (O-Ring HCXFMCG1000)	2
HCXFMCG1000	Manway Cover O-Ring	3
HCFDIF1000	Diffuser	4
HCFBHE1000	Bulkhead Fitting Kit	5.1, 5.2
HCXFDK1000	Drain Kit	6.1, 6.2, 6.3, 6.4
HCFLAT0825	HCF230 - 8.25" Lateral Kit (2 Laterals per kit)	7.1
HCFLAT1050	HCF234 - 10.5" Lateral Kit (2 Laterals per kit)	7.2
HCFLAT1250	HCF236 - 12.5" Lateral Kit (2 Laterals per kit)	7.3
HCFBHI1000	Internal Bulkhead Kit includes (Pipe and Coupling)	8.1, 8.2, 8.3, 8.4
HCXFAR1000	External Air Relief Assy	—
HCXFARK1000	Internal Collector Air Relieve Kit	—
2" HCV SERIES MULTIPOINT CONTROL VALVE (HCV275C)		
HCFMVINT275	HCV275C Valve Int Assy	1
HCFMVHNDLKIT	HCV2/25 Handle Kit	2
HCFMVORKIT	HCV275C O-Ring Kit	5
HCFMVBODY2	MPV 2" Body	10
HCFMVARPL	Air Release Valve & O-Ring	11
HCFMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD009	2" Union Half Adapter	13
HCXFW2UNAOR009A	2" Union O-Ring (2 Pk)	13A
2.5" HCV SERIES MULTIPOINT CONTROL VALVE (HCV2575C)		
HCFMVINT2575	HCV2575C Valve Int Assy	1
HCFMVHNDLKIT	HCV2/25 Handle Kit	2
HCFMVORKIT	HCV2575C O-Ring Kit	5
HCFMVBODY25	MPV 2½" Body	10
HCFMVARPL	Air Release Valve & O-Ring	11
HCFMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD209	2.5" Union Half Adapter	13
HCXFW2UNAOR209A	2.5" Union O-Ring (2 Pack)	13A



**EXPLODED DIAGRAM OF
HCV SERIES 3" HCV375C
(HCF342C & HCF348C)**



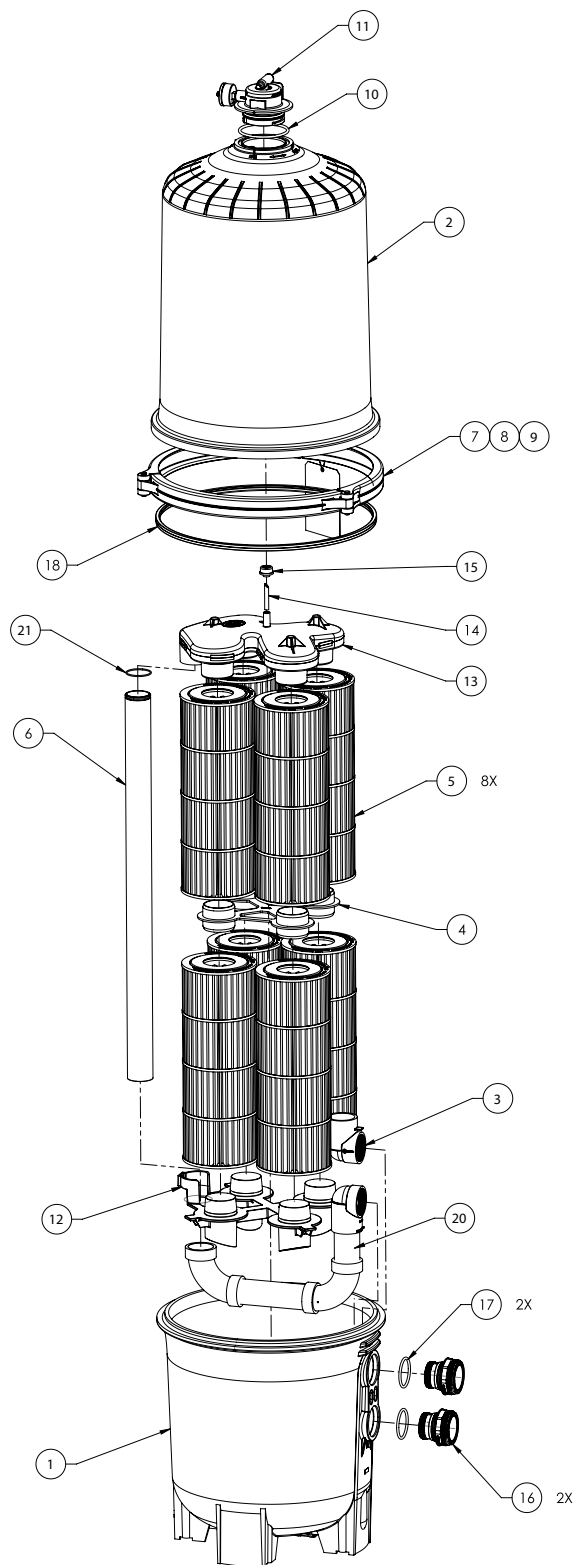
**EXPLODED DIAGRAM OF
HCV SERIES 4" HCV475C
(HCF455C & HCF663C)**



**EXPLODED DIAGRAM OF
HCV SERIES 3" HCV375
(HCF336C OR DUAL FILTER CONTROL)**

PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER
3" HCV SERIES MULTIPORT CONTROL VALVE (HCV375C)		
HXCMVINT375	HCV375C Valve Int Assy	1
HXCMVHNDLKIT3	HCV375C Handle Kit	2
HXCMVORKIT	HCV375C O-Ring Kit	5
HXCMVBDY3	MPV 3" Body	10
HXCMVARPL	Air Release Valve & O-Ring	11
HXCMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD309	3" Union Half Adapter	13
HCXFW2UNAOR309A	3" Union O-Ring [2 Pk]	13A
4" HCV SERIES MULTIPORT CONTROL VALVE		
HXCMVINT475	HCV475C Valve Int Assy	1
HXCMVHNDLKIT4	HCV475C Handle Kit	2
HXCMVORKIT4	HCV475C O-Ring Kit	5
HXCMVBDY4	MPV 4" Body	10
HXCMVARPL4	Air Release Valve & O-Ring	11
HXCMVSTGKIT4	Sightglass & O-Ring Kit	12
HCXFW2UNAD409	2.5" Union Half Adapter	13
HCXFW2UNAOR409A	2.5" Union O-Ring [2 Pk]	13A
3" HCV SERIES MULTIPORT CONTROL VALVE		
HCV0375BA	3" Valve Internals Assembly, Complete	1
HCV0375G	Operation Instruction Label	2
HCV0375L	Lid O-Ring	3

Commercial Cartridge Filters



**EXPLODED DIAGRAM OF
HCF SERIES CARTRIDGE FILTER
(HCF7030C & C7030C)**

PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER	QTY.
HCF SERIES CARTRIDGE FILTER			
DE2420A3	BODY-FILTER, PLATINUM, SHASTA	1	1
DE7220BX3	HEAD-FILTER, 72", PLATINUM	2	1
C3030F	ELBOW	3	1
C7020M	MID PLATE ELEMENT CONNECTOR	4	1
C591 E	ELEMENT, CARTRIDGE FILTER	5	8
C3031 F1 0	PIPE, OUTLET 3/4"	6	1
DE2421 J	CLAMP-FILTER-3 SECTION	7	1
DE2421 J2Z3S	BOLT	8	1
DE2421J2Z4	CLAMP NUT	9	1
DE2420AR9	O-Ring #348	10	1
DE2420MAR2	MANUAL AIR RELIEF ASSEMBLY	11	1
C3030D	CARTRIDGE MOUNTING PLATE	12	1
C5030C	MANIFOLD ASSY, TOP	13	1
C2030Z3	TUBE, AIR	14	1
C3000J1	END CAP-BLEEDER TUBE	15	1
C3035F	FITTING-BULKHEAD 2 1/2"	16	2
S220Z2	O-Ring, SIZE# 2-333	17	2
DE2422Z2	SEAL MATERIAL	18	1
SP3200UNKIT	UNION KIT	19	1
C3030H	ASSY, SWIM CLEAR PIPING	20	1
DE2400Z5	O-Ring # 139 -OUTLET PIPE-	21	1
SP1022CBLK	PLUG W/O-Ring, THO 1-1/2" (BLACK)	22	1
CCN7022CF	CARTON-CART FILTER, SWIMCLEAR	23	1

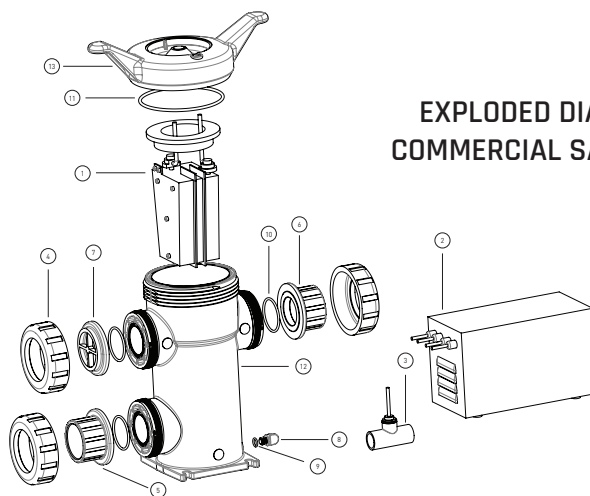
Commercial Automation

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
CAX-20100	5 Amp Fuse	0761418012510	1
CAX-20101	1 Amp Fuse	0761418012527	1
CAX-20102	4 Amp Fuse	0761418012534	1
CAX-20275	10 Amp Fuse	0761418013135	1
CAX-20150	Replacement Coil For AC015 or AC018	0761418012626	1
CAX-20151	1/8" SS Solenoid Valve	0761418012633	1
CAX-20152	1/4" NPT x 3/8" OD Speed-Fit Connection	0761418012640	1
CAX-AK4010W	Stenner Lead Tube - White 100' x 1/4"	0761418012688	1
CAX-UCCP201-1	Stenner #1 Pump Tube [Qty of 2]	0761418013340	1
CAX-UCCP201-2	Stenner #2 Pump Tube [Qty of 2]	0761418013357	1
CAX-UCCP201-3	Stenner #3 Pump Tube [Qty of 2]	0761418013364	1
CAX-UCCP201-4	Stenner #4 Pump Tube [Qty of 2]	0761418013371	1
CAX-UCCP201-5	Stenner #5 Pump Tube [Qty of 2]	0761418012695	1
CAX-MCCP201-1	Stenner #1 Pump Tube [Qty of 5]	0761418013388	1
CAX-MCCP201-2	Stenner #2 Pump Tube [Qty of 5]	0761418013395	1
CAX-MCCP201-3	Stenner #3 Pump Tube [Qty of 5]	0761418013401	1
CAX-MCCP201-4	Stenner #4 Pump Tube [Qty of 5]	0761418013418	1
CAX-MCCP201-5	Stenner #5 Pump Tube [Qty of 5]	0761418013425	1
CAX-20200	Pressure Switch Complete w/Cable	0761418012718	1
CAX-20201	Pressure Switch Only	0761418012725	1
CAX-20203	Rotary Flow Sensor	0761418012749	1
CAX-20204	Clear Lens and O-Ring	0761418012756	1
CAX-20205	Blue Rotor and Ceramic Pin	0761418012763	1
CAX-20206	Float Style Flow Switch For Molded Flow Cell	0761418012770	1
CAX-20250	Probe Adaptor For Professional Series Sensors	0761418012787	1
CAX-20251	2 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	0761418012794	1
CAX-50251	3 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	0610377337090	1
CAX-20252	3/8" OD Blue Flexible Tubing by the Foot	0761418012800	1
CAX-20271	3/8" OD Black UV Flexible Tubing by the Foot	0761418013432	1
CAX-20253	1/4" NPTM x 3/8" OD Speedfit Connectors	0761418012817	1
CAX-20254	1/4" Asahi Ball Valves	0761418012824	1
CAX-20255	1/4" check valve injector for liquid pumps AC025 & AC030 [Also: PTC15 & PTC30]	0761418012831	1
CAX-20256	1/4" In-Line Strainer	0761418012848	1
CAX-20257	Flow Cell Arm Assembly	0761418012855	1
CAX-20258-1	PVC Backboard 10" x 14"	0761418012947	1
CAX-20258-2	PVC Backboard 16" x 16"	0761418012930	1
CAX-20258-3	PVC Backboard 16" x 21"	0761418012954	1
CAX-20258-4	PVC Backboard 24" x 24"	0761418012961	1
CAX-20260	1/4" Parker Straight Valve	0761418012886	1
CAX-20272	2 Sensor - Flow Cell, Molded	0761418013449	1
CAX-50272	3 Sensor - Flow Cell, Molded	0610377337106	1
CAX-20273	Cover Replacement Cover - CO ₂	0761418013111	1
CAX-20274	Probe Storage Cap	0761418013128	1
CAX-20276	Screen for 1/4" In-Line Strainer	0610377143233	1

Commercial Sanitization

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
CAX-3504	AC035 - PVC Crystal Suction Tube (Soft/Clear) (13' Roll)	0610377205504	1
CAX-3505	AC035 - PVC Crystal Suction Tube (Soft/Clear) (300' Roll)	0610377285612	1
CAX-3508	AC035 - 3 x 7 Santoprene®** Feed Tube 6.14GPD	0610377205528	1
CAX-3509	AC035 - Roller Assembly	0610377205535	1
CAX-3510	AC035 - Foot Filter - Weighted Suction Strainer - Polypropylene - w/Ceramic Weight	0610377233002	1
CAX-3511	AC035 - Next Generation 1/4" Injection Check Valve for blue liquid pumps AC035 (Also: AQL-CHEM4-CHLOR/ACID)	0610377261692	1
CAX-3512	AC035 - 3 x 7 Santoprene Feed Tube - 31GPD	0610377261708	1
CAX-3513	AC035 - Clear Front Cover	0610377258692	1
CAX-6001	Plastic, Flow Cell, Hybrid II, Machined - Unassembled, Hayward® CAT 6000™	TBD	1
CAX-6002	Plastic, Bracket, Mount, Wall, Hayward CAT 6000	TBD	1
CAX-6003	Plastic, Flow Cell Mount, Hayward CAT 6000	TBD	1
CAX-6004	Bracket, Flow Cell Mounting Plate, Stainless, Hayward CAT 6000	TBD	1
CAX-6005	Chlorine Sensor Battery Bias, Hayward CAT 6000	TBD	1
CAX-6006	Cable, AC Power Assembly 120 VAC, Hayward CAT 6000	TBD	1
HXC015	HCC2000 pH Sensor - w/Hayward Label	0610377142144	1
HXC025	HCC2000 ORP Sensor - w/Hayward Label	0610377142151	1
HXC025AU	HCC2000 ORP Sensor Gold - w/Hayward Label	0610377142168	1

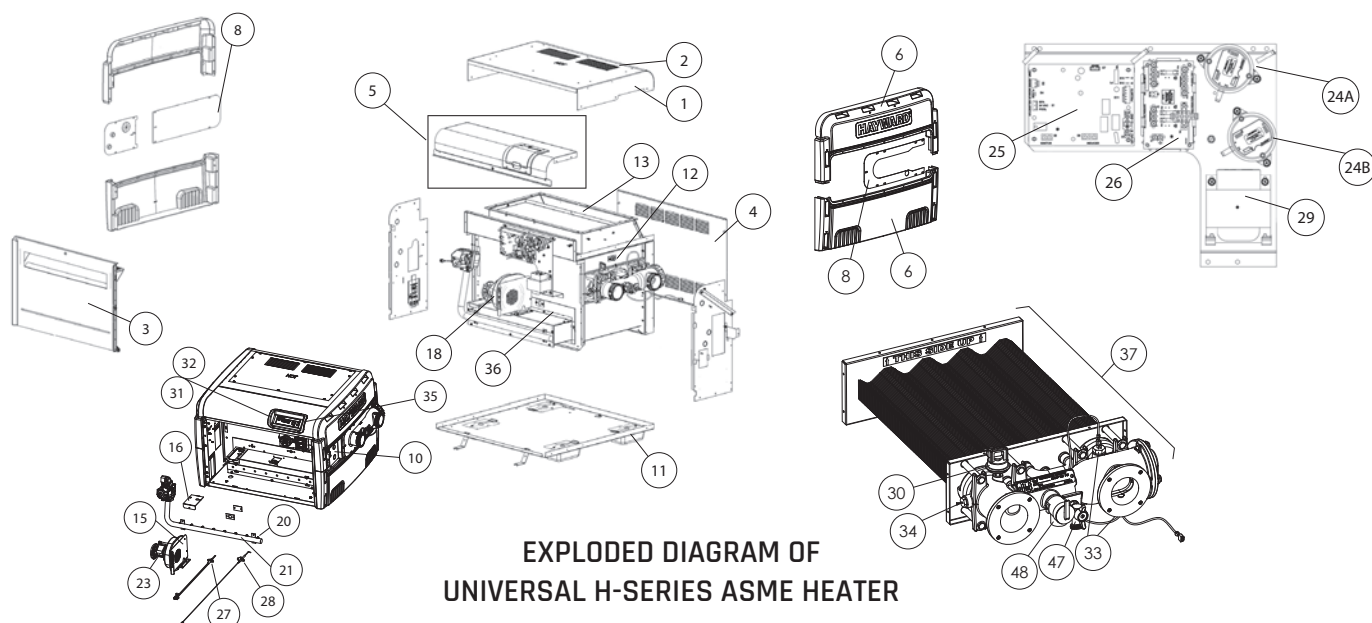
SUPPLEMENTAL	SECONDARY (L4)	PART NUMBER	SIZE / DESCRIPTION	CARTON QTY
✓	—	HYXUVDSPCK	Replacement UV Display	1
—	✓	HYXUVDSPCKL4	Replacement UV L4 Display (needs to be programmed, Instructions required)	1
✓	✓	HYXUVBALCK	Replacement UV Ballast	1
✓	✓	HYXUVQTZCK	Replacement UV Quartz Sleeve Kit - Complete	1
✓	✓	HYXUVLAPCK	Replacement UV Lamp	1
✓	—	HYXUVSENC	Replacement UV Sensor Kit - Complete	1
—	✓	HYXUVSENCCL4	Replacement UV Sensor UV Sensor Kit	1
—	✓	HYXUVSENCCL4KIT	Replacement UV Sensor L4 Housing Kit	1
✓	✓	HYXUVEXTCK	Replacement UV Lead Wire	1
✓	—	HYXUVFL240CK	Replacement UV Flow Switch for Model (2 Pin) 240PVC/480PVC (2 Pin)	1
—	✓	HYXUVFL240CKL4	Replacement UV Flow Switch for Model 240PVC/480PVC L4 (3 Pin)	1
✓	✓	HYXAIRBLEEDKIT	Air Bleed Kit	1
✓	✓	HYXCONTACT	Contacting	1
✓	X	HYXSACZKIT	KIT SACRIFICIAL ZINC ANODE 3/8" (PVC), Check Annually, Up to 5yrs.	1
✓	✓	HYXUVEXTCBL12	Power Supply Uv Lamp Lead Wire 12'	1
—	✓	HYXDLOWL4	Digital Flow Meter Adapter - 5 to 24V DC	1
—	✓	HYXAMONL4	Lamp Current Monitor 2 - L4 - One Per A UV Bulb	1
—	✓	HYXPMPDSCCL4	Pump Shut/OFF Box - 30Amp 240V - Single Phase	1
✓	✓	HYXCHAMB75	120PVC CR Chamber	1
✓	✓	HYXCHAMB150	240PVC CR Chamber	1
✓	✓	HYXCHAMB400	480PVC CR Chamber	1



**EXPLODED DIAGRAM OF SALINE C® 6.0
COMMERCIAL SALT CHLORINE GENERATOR**

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER	CARTON QTY
SALINE C® 6.0 & SALINE C® 2.0			
HCXSCCELL6	Saline C 6.0 Replacement Cell & Cover	1	1
HCXSCCELL2	Saline C 2.0 Replacement Cell & Cover	1	1
HCXSPS6	Power Supply	2	1
HCXSFL0S6	Flow Sensor	3	1
HCXCCCC	Replacement Cell Cables, Connector & Gray Cap	—	1
HCXSDISPKIT	Saline C Display Screen and Toggle Switch		
BSXC201CK	2" Clear Body	12	1
TBX122	2" PVC True Union Ball Valve Assembly Nut	4	3
ECX12S	2" PVC Pipe Connector Socket	6	2
ECX12T	2" PVC Pipe Connector Threaded	5	2
BSX1CAP2	2" PVC Port Cap	7	1
BSX1PLUG2	1" PVC Plug	8	1
BS12011CK	Cell Housing Lid	13	1
SB2KIT	O-Ring #111 Viton 70 Duro - OR111V70	9	3
	O-Ring #227 Viton 70 Duro - OR227V70	10	
	O-Ring #357 Viton 70 Duro - OR357V70	11	
SALINE C® 11.0			
HCXCCCC	Replace cell cables, connector, gray cap	—	1
HCXCCCC11	CAP-GR cables, connect Saline 11	—	1
HCXSDISPKIT	Saline C Display Screen and Toggle Switch (Only one display/toggle - 11.0 requires 2 for complete unit)	—	1
HCXSCCELL11	Cell &cover, Saline 11	1	1
HCXSFL0S11	Flow sensor, Saline 11 (Sensor Only no T Fitting)	2	1
HCXSPS11	Power supply, Saline 11	2	1
BSCX401CK	4" Clear Body	12	1
BSX142	4" PVC True Union Ball Valve Assembly Nut	4	3
ECX14SBS	4" PVC Pipe Connector Socket	6	2
ECX14TBS	4" PVC Pipe Connector Threaded	5	2
BSX1CAP3	4" PVC Port Cap	7	1
BSX1PLUG2E	2" PVC Plug	8	1
ORX365V70	Piston Lid O-Ring	13	1
SB4KIT	O-Ring #111 Viton 70 Duro - OR111V70	9	3
	O-Ring #365 Viton 70 Duro - OR365V70	10	
	O-Ring #352 Viton 70 Duro - OR352V70	11	

Commercial Heaters



**EXPLODED DIAGRAM OF
UNIVERSAL H-SERIES ASME HEATER**

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS			
FDXLJKT1251	Jacket Top, Taupe, ASME - H250FD	0610377396448	1
FDXLJKT1401	Jacket Top, Taupe, ASME - H400FD	0610377396400	1
FDXLFAD1250	Front Door Assembly, Taupe, ASME - H250FD	0610377072465	3
FDXLFAD1400	Front Door Assembly, Taupe, ASME - H400FD	0610377072489	3
FDXLRAD1250	Rear Door Assembly, Taupe, ASME - H250FD	0610377072496	4
FDXLRAD1400	Rear Door Assembly, Taupe, ASME - H400FD	0610377072519	4
FDXBPC1250	Kit-Bezel Control Panel, Black, With Door, H250FD	0610377330787	5
FDXBPC1400	Kit-Bezel Control Panel, Black, Without Door, H400FD	0610377330817	5
FDXLBEC1930	Upper & Lower End Cap	0610377072557	6
FDXL RTP1930	Right Side Trim Panel	0610377072588	8
FDXL LTP1930	Left Side Trim Panel	0610377072571	8
FDXLPLRC1930	Kit - Junction Box Cover, Polymer L&R	0610377297608	10
FDXLPBL1930	Base Leg	0610377072618	11
FDXLFC1930	Flue Collector Side Panel	0610377072625	12
FDXLRGK1251	Rain Guard Assembly - H250FD	0610377132435	13
FDXLRGK1401	Rain Guard Assembly - H400FD	0610377132466	13
FDXLIAC1930	Ignitor Access Cover	0610377072724	16
FDXLBON1930	Burner Orifice Kit, Natural Gas	0610377072786	20
FDXLBOP1930	Burner Orifice Kit, Propane Gas	0610377072793	20
FDXLGCKW250NP	Conversion Kit, NA to LP, Quick-Change - H250FD	0610377430661	21
FDXLGCKW250PN	Conversion Kit, LP to NA, Quick-Change - H250FD	0610377430654	21
FDXLGCKW400NP	Conversion Kit, NA to LP, Quick-Change - H400FD	0610377430593	21
FDXLGCKW400PN	Conversion Kit, LP to NA, Quick-Change - H400FD	0610377430586	21
FDXLBWR1930	Combustion Blower	0610377072847	23
FDXLVPS1930	Vent Pressure Switch	0610377099387	24A
FDXLBVS1930	Blower Vacuum Switch	0610377079907	24B
FDXLCONSKTA	Consumer Kit, [not shown]	-	-

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS, CONTINUED			
FDXLICB1930	Integrated Control Board	0610377072854	25
FDXLFWP1930	Field Wiring Panel	0610377072861	26
FDXLIGN1930	Ignitor	0610377072878	27
IDXLFLS1930	Flame Sensor	0610377625968	28
IDXL2TRF1930	Transformer	0610377854443	29
FDXLWPS1930	Water Pressure Switch	0610377074230	30
IDXL2DB1930	Display Board Only	0610377896740	31
FDXLBKP1931	Bezel and Keypad Assembly, ASME, Without Door	0610377072908	32
UHXLOK1930	Control Bezel Lock-Out Kit	0610377187084	—
FDXLHL1930	High Limit 135°F (H250 & H400 Only (H500 SKU: FDXLHL1500))	0610377073783	33
FDXLTER1930	Thermistor	0610377073790	34
FDXLGSK1932	Gasket, Bezel/Top	0610377072946	35
FDXLGSK1934	Gasket, CC Front/Air Box - All Models	0610377072960	36
FDXLHXA1250A	Heat Exchanger Assembly, ASME - H250FD	0610377135610	37
FDXLHXA1400A	Heat Exchanger Assembly, ASME - H400FD	0610377135603	37
FDXLHXA1500A	Heat Exch Assembly - H500FD ASME	0610377277587	37
FDXLDRV1930A	Drain Valve, ASME	0610377135818	47
CHXRLV1930	Pressure Relief Valve	0610377003179	48
FDXLBRN1930	Burner Kit (Qty 8)	0610377072762	—
FDXLBRN1931	Burner (Qty 1)	0610377277594	—
FDXLFSK1930	Fuse Service Kit	0610377072915	—
FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty of 10)	0610377123105	—
FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty of 10)	0610377123136	—
FDXLUNK1930A	ASME Union Flange Kit (Includes Flange Fittings, Bolts, Gaskets)	0610377135801	—
FDXLGSK1930	Gasket Kit - Air Side - All Models <i>Includes:</i> » Gasket, Blower Mounting » Gasket, Cover/Air Box Front » Gasket, Manifold/Air Box	0610377072922	—
FDXLGSK1931	Gasket Kit - Exhaust Side - All Models <i>Includes:</i> » Gasket, Flue Collector Side » Gasket, Rain Guard Side » Gasket, Rain Guard Bottom Side » Gasket, Flue Collector Top » Gasket, Rain Guard Front and Rear » Gasket, Rain Guard Bottom Front and Rear	0610377072939	—
FDXLGSK1933	Insulation, Return Side Tube Sheet	0610377072953	—
FDXLTDK1930	Tie-Down Kit	0610377072977	—
FDXLWHA1930	Wiring Harness Kit Complete	0610377110730	—
FDXLHAK1930	Conversion Kit, All Models, High-Altitude 2,000-10,100'	0610377104326	—
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit	0610377396318	—
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit	0610377396288	—
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit	0610377396356	—
UHXDVA004	4" Duravent Positive Pressure Appliance Adapter	0610377396608	—
UHXDVA006	6" Duravent Positive Pressure Appliance Adapter	0610377396615	—
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter	0610377396622	—
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter	0610377396639	—
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	0610377396363	—

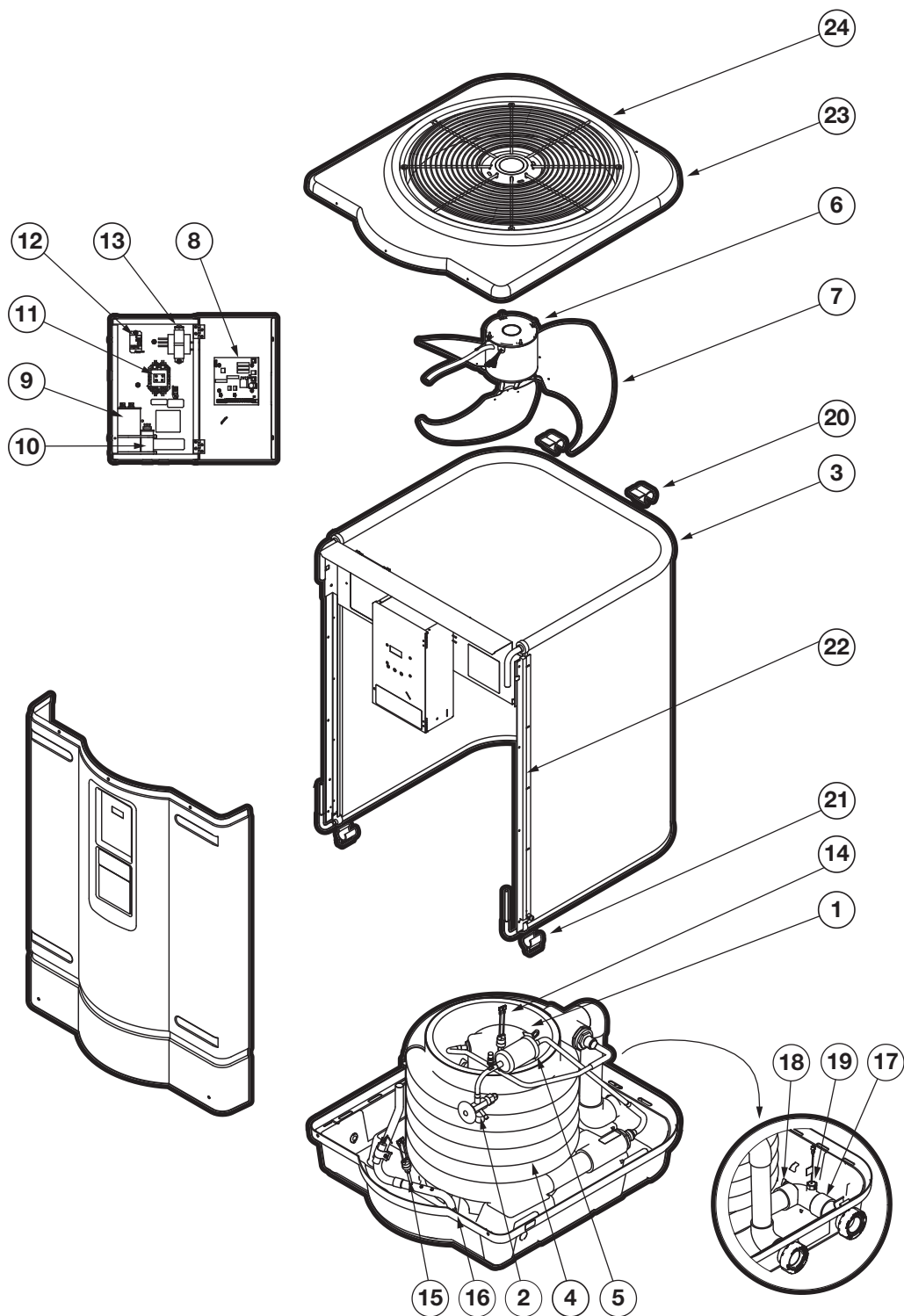
PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)	0610377396240	—
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adapter Included)	0610377396387	—
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)	0610377396219	—
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	0610377396394	—
UHXTFP1930	Temp/Pressure and Flow Switch Kit	0610377234276	—
UHXFSW1930	Flow Switch Only	0610377234443	—

H500 GAS HEATER

FDXLRGK1500	Kit - Rainguard Assembly H500FD	0610377277488	13
FDXLJKT1501	Jacket Top, Taupe, ASME - H500FD	0610377396493	1
FDXLGCK1500NP	Conversion Kit, NA to LP, Quick Change, H500	0610377430579	21
FDXLGCK1500PN	Conversion Kit, LP to NA, Quick Change, H500	0610377277556	21
FDXLFAD1500	Taupe Front Door	0610377274524	3
FDXLBWR1500	Combustion Blower - H500FD	0610377277563	18
FDXLBCT1500	Kit - Bezel Control Panel, 500	0610377330978	5
FDXLBON1500	Kit - Gas Orifice, NA, (Pk 10) H500FDN	0610377282512	20
FDXLBOP1500	Kit - Gas Orifice, LP, (Pk 10) H500FDP	0610377282529	20
FDXLHLI1500	High limit Kit, H500FD Heater	0610377278119	33

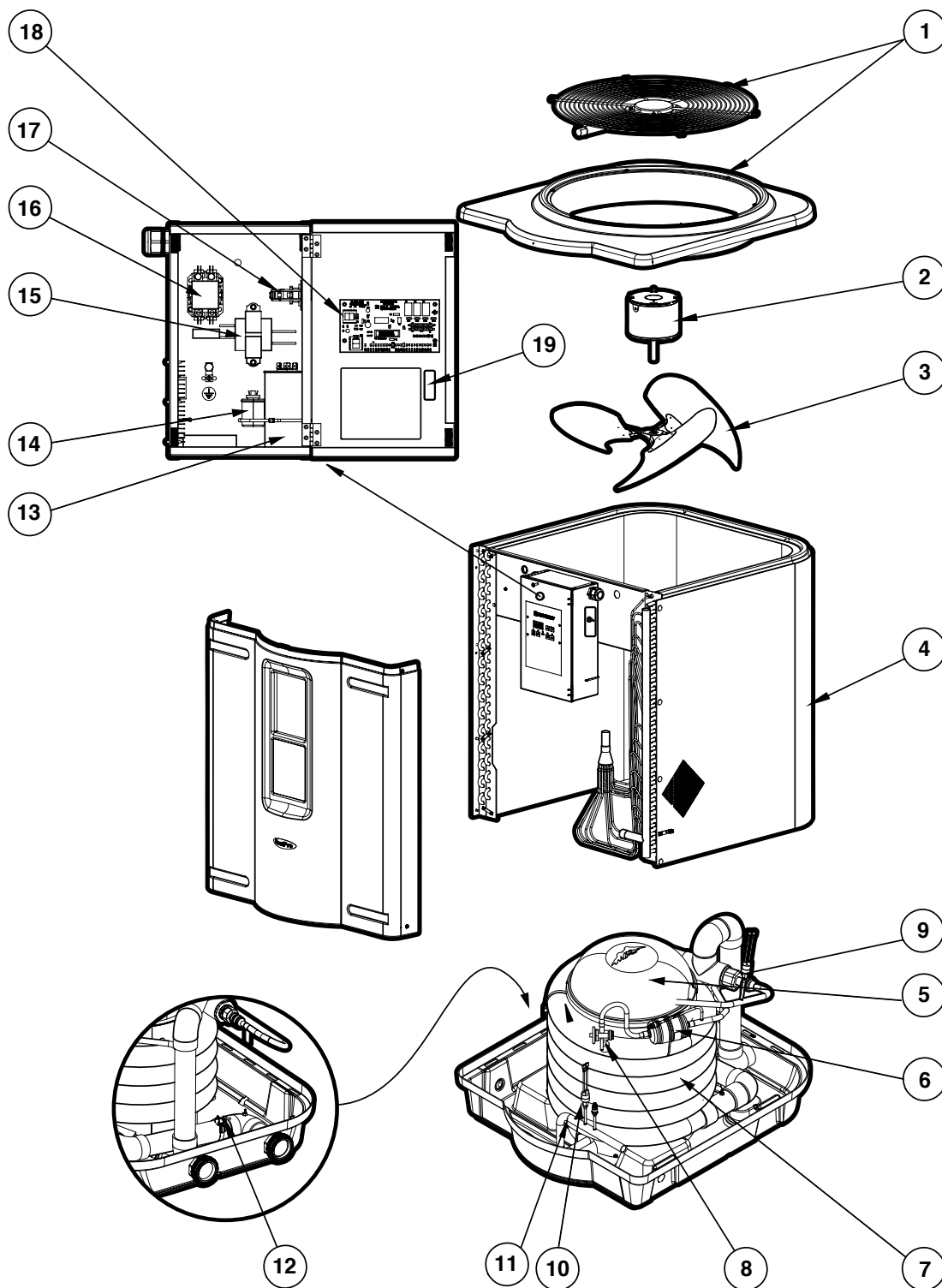


EXPLODED DIAGRAM OF
HEATPRO MCHX SERIES



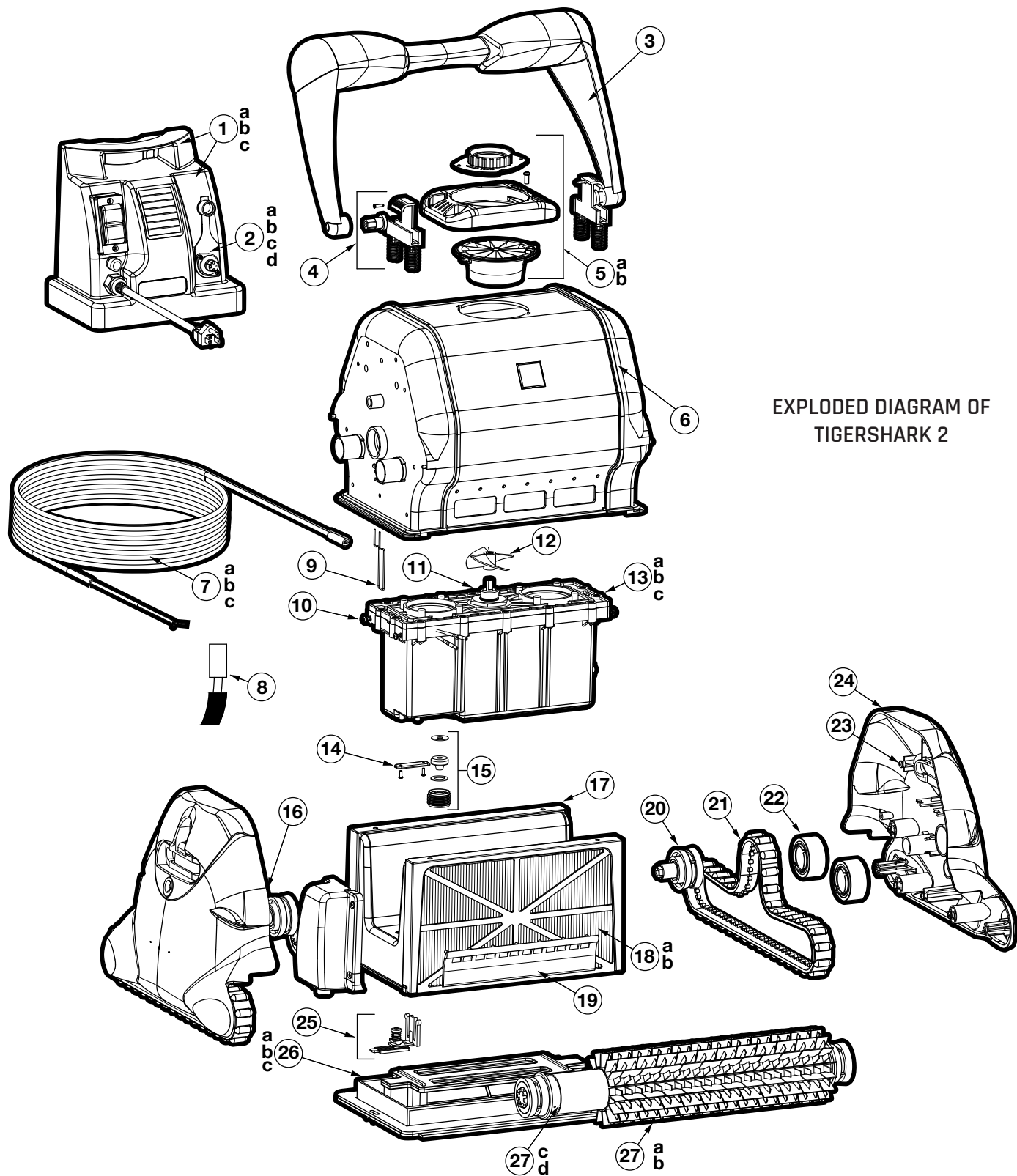
ITEM DESCRIPTION	110K	120K	140K	110K H/C	120K H/C	140K H/C	NO.
HEATPRO® MICROCHANNEL SERIES							
COMPRESSOR	HPX51100101701	HPX51100101701	SMX11012755	HPX51100101701	HPX51100101701	SMX11012755	1
THERMAL EXPANSION VALVE (TXV)	HPX51700029001						2
EVAPORATOR	HPX52400099501	HPX52400099401	HPX52400099401	HPX52400099501	HPX52400099401	HPX52400099401	3
HEAT-EXCHANGER	HPX52400120301						4
FILTER DRIER	HPX1462			SMX15022309			5
FAN MOTOR	SMX300055036						6
FAN BLADE	SMX303140003	HPX51700116101	HPX51700116101	SMX303140003	HPX51700116101	HPX51700116101	7
CONTROL BOARD	HPX51100122201			HPX51100122301			8
CAPACITOR, COMPRESSOR, 80 UF, 440 VAC	SMX11022320						9
CAPACITOR, FAN, 7.5 UF	HPX11024151						10
CONTACTOR	HPX1985						11
FAN RELAY	HPX51000010301						12
TRANSFORMER	HPX51100009901						13
HP SWITCH, 590 PSI	HPX11024258						14
LP SWITCH, 50 PSI	HPX51100118601						15
DEFROST SENSOR	SMX306000023						16
INSTRUMENT ELBOW ASSEMBLY	HPX52500098401						17
WATER TEMPERATURE SENSOR	HPX51100053701						18
WATER FLOW SWITCH	HPXG1068005E4						19
BRACKET, TOP (QTY 2)	HPX50100099701	HPX50100099801	HPX50100099801	HPX50100099701	HPX50100099801	HPX50100099801	20
BRACKET, BOTTOM (QTY 4)	HPX50100099901						21
GASKET-35 IN, NEOPRENE (QTY 2)	HPX50500107201						22
PANEL-TOP KIT, BLACK	SMX30904754						23a
PANEL-TOP KIT, TAUPE	SMX309077011						23b
FAN GUARD	SMX0101711001						24
WATER PRESSURE SWITCH	HPX2181						NOT SHOWN
REVERSING VALVE	NOT USED			HPX51700122401			
COMPENSATOR	NOT USED			HPX51700098901			
PLUG, COMPRESSOR	SMX10022329						
EVAPORATOR GUARD	HPX50100107101						
FASTENER, TREE, 1/4 (QTY 25)	HPX50100118201						
FASTENER, U-TYPE (QTY 25)	HPX50100122501						
CONSUMER KIT	HPX51400122701						

EXPLODED DIAGRAM OF HEATPRO SERIES



PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HEATPRO® HEATPUMP				
SMX30904754	Panel-Top Kit, Black	0610377399852	1	1
SMX300055036	Fan Motor	0859127001434	2	1
SMX303140003	Fan Blade	0859127001632	3	1
SMX11012751	Compressor for HP21004T after serial number 21131501105230001	0610377290340	5	1
SMX11012753	Compressor for HP21124T after serial number 21131501102140001	0610377290364	5	1
SMX11012755	Compressor for HP21254T after serial number 21131405101250001	0610377290760	5	1
SMX11012755	Compressor for HP21404T after serial number 21131404105240001	0610377290760	5	1
SMX10022329	Compressor Plug (not shown) for HP21004T after serial number 21131501105230001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21124T after serial number 21131501102140001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21254T after serial number 21131405101250001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21404T after serial number 21131404105240001	0610377290791	—	5
HPX1462	Filter – Drier for all	0610377829076	6	1
SMX24024864	Heat-Exchanger for HP21404T	0610377133128	7	1
SMX24022372	Heat Exchanger for HP21004T	0610377294836	7	1
SMX24024509	Heat Exchanger for HP21124T prior to serial number 21131708100361001	0610377133050	7	1
SMX2401347101	Heat Exchanger for HP21124T after serial number 21131708100361001	0610377391207	7	1
SMX15012865	Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001	0610377329699	8	10
HPX51700029001	Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001	0610377424479	8	1
HPX11024258	High Pressure Switch	0610377127943	9	10
HPX11024259	Low Pressure Switch	0610377127950	10	10
SMX306000023	Defrost Sensor	0859127001847	11	10
SMX306000024	Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T	0859127001854	12	25
SMX11022320	Compressor Run Capacitor, 80 UF, 440 VAC	0610377256124	13	6
HPX11024151	Fan Capacitor, 7.5 UF	0610377096959	14	6
HPX51100009901	Transformer	0610377401562	15	1
HPX1985	Contactore	0610377807029	16	5
HPX2181	Water Pressure Switch	0610377807098	17	10
HPX51100122201	Control Board for HP21404T, HP21004T, HP21124T and HP21254T	0610377444255	18	30
SMX1101191101	Master On/Off Switch	0610377339919	19	50

Commercial Cleaners



EXPLODED DIAGRAM OF
TIGERSHARK 2

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER	CARTON QTY
TIGERSHARK 2 COMMERCIAL ROBOTIC CLEANER			
RCX97453	Power Supply-110 VAC, TigerShark	1a	1
RCX30000RC	Power Supply-110 VAC, TigerShark Plus	1b	1
RCX97453QC	Power Supply-110 VAC, TigerShark Quikclean	1c	1
RCX31013A	Power Supply Circuit Breaker 3A	2a	50
RCX31012	Power Supply Switch 16A	2b	50
RCX31012A	Power Supply Switch Membrane Cover	2c	50
RCX31018	Power Supply Output Connector	2d	50
RCX76008-234	Handle Assembly – TS, TS Plus, TSQC, Blue	3	5
RCX14000KIT	Handle Arm Slide Kit	4	10
RCX11208	Venturi Assembly, New Style	5a	10
RCX11208BK	Venturi Assembly, Black	5b	1
RCX13001C	Main Case, TS, TSP, TSQC	6	1
RCX50061	Floating Cord Assembly – 55 ft. (TS, TSQC)	7a	1
RCX50110	Floating Cord Assembly – 100 ft. (TS2)	7b	1
RCX50070*	Floating Cord Assembly – 55 ft. (TS Plus)	7c	1
RCX59006	Connector Socket, Molex	8	50
RCX11400	Clip, Lid (Set of 2)	9	10
RCX12001	Screw, M4X12 T-20 (Set of 5)	10	10
RCX40117	Drive Pin Assembly	11	50
RCX11000	Impeller	12	10
RCX40000DC	Motor Unit, 4 hr. for TigerShark DC	13a	1
RCX43000	Motor Unit, 4 hr. for TigerSharkQC DC	13b	1
RCX40000RC*	Motor Unit, 4 hr. for TigerShark Plus DC	13c	1
RCX59007	Plate-Cover, Strain Relief	14	10
RCX59004KIT	Motor Cord Seal Kit	15	5
RCX26001	Roller Bearing Guide	16	10
RCX70100	Filter Cartridge Assembly, Frame and Filters	17	1
RCX70101PAK2	Filter Cartridges (Set of 2)	18a	5
RCX70103PAK2	Spring Cleanup Filters (Set of 2)	18b	5
RCX17100	Flap Drain, TS (Set of 2)	19	20
RCX26002	Bearing, Drive Pulley Assembly (Includes RC260031 insert)	20	10
RCX23002	Drive Track, Soft Tread	21	5
RCX26000PAK2	Pulley Bearing Kit (Set of 2)	22	5
RCX12011	Screw M5X20 Pan TORX HD T-20	23	10
RCX97201	Side Cover, TS (Right and Left)	24	1
RCX75003KIT	Locking Plate Kit	25	10
RCX75000-236	Bottom Lid Assembly, Black	26a	7
RCX78005	Bottom Lid Filter Gasket	26b	10
RCX75005	Inlet Flap	26c	10
RCX26008	Roller Brush	27a	5
RCX26012	Foam Roller Assembly	27b	5
RCX26003	Wheel Tube Assembly without Brush	27c	9
RCX26005S	Bearing-Wheel Tube Slotted	27d	10
RCX17000	High Velocity Inlet	—	10
RCX40215*	Hand-Held Wireless Remote (2008 – present) 433 MHz	—	10

*While supply last

Commercial Flow Control

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
TRUE UNION BALL VALVE PARTS - TBH SERIES			
TBXH1050BALLK	Ball, Stem, LP and Handle Kit for 1/4", 3/8" and 1/2" PVC TBH	0610377354899	1
TBXH1075BALLK	Ball, Stem, LP and Handle Kit for 3/4" PVC TBH	0610377354905	1
TBXH1100BALLK	Ball, Stem, LP and Handle Kit for 1" PVC TBH	0610377354912	1
TBXH1150BALLK	Ball, Stem, LP and Handle Kit for 1-1/4" and 1-1/2" PVC TBH	0610377354936	1
TBXH1200BALLK	Ball, Stem, LP and Handle Kit for 2" PVC TBH	0610377354943	1
TBXH1300BALLK	Ball, Stem, LP and Handle Kit for 3" PVC TBH	N/A	1
TBXH1400BALLK	Ball, Stem, LP and Handle Kit for 4" PVC TBH	N/A	1
TBXH1050SEATEK	TBH Seat and Seal Kit 1/4", 3/8" and 1/2" PVC/EPDM	0610377355124	1
TBXH1075SEATEK	TBH Seat and Seal Kit 3/4" PVC/EPDM	0610377355131	1
TBXH1100SEATEK	TBH Seat and Seal Kit 1" PVC/EPDM	0610377355148	1
TBXH1150SEATEK	TBH Seat and Seal Kit 1-1/4" and 1-1/2" PVC/EPDM	0610377355155	1
TBXH1200SEATEK	TBH Seat and Seal Kit 2" PVC/EPDM	0610377355162	1
TBXH300SEATEK	TBH Seat and Seal Kit 3" PVC/EPDM	N/A	1
TBXH400SEATEK	TBH Seat and Seal Kit 4" PVC/EPDM	N/A	1
TUX1052	1/4", 3/8", 1/2" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377006224	1
TBX10752	3/4" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377849500	1
TBX11002	1" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377032957	1
TBX11502	1-1/4 - 1-1/2" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377779128	1
TBX122	2" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377776097	1
TBX132	3" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377193047	1
TBX142	4" PVC True Union Ball Valve Assembly Nut (1 ea.)	0610377193061	1
ECX15S	1/2" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191524	1
ECX15T	1/2" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191531	1
ECX17S	3/4" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191548	1
ECX17T	3/4" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191555	1
ECX11S	1" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191425	1
ECX11T	1" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191432	1
ECX112S	1-1/4" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377730457	1
ECX112T	1-1/4" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377717076	1
ECX115S	1-1/2" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191449	1
ECX115T	1-1/2" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191456	1
ECX12S	2" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191463	1
ECX12T	2" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191470	1
ECX13S	3" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191487	1
ECX13T	3" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191494	1
ECX14S	4" PVC True Union Ball Valve Socket End Connector (1 ea.)	0610377191500	1
ECX14T	4" PVC True Union Ball Valve Threaded End Connector (1 ea.)	0610377191517	1
TRUE UNION 3-WAY BALL VALVE PARTS			
NTX100503B	1/2" PVC 3-Way True Union Ball Valve TN Ball	0610377192002	1
NTX100753B	3/4" PVC 3-Way True Union Ball Valve TN Ball	0610377742658	1
NTX101003B	1" PVC 3-Way True Union Ball Valve TN Ball	0610377192019	1
NTX102003B	1-1/4," 1-1/2," 2" PVC 3-Way True Union Ball Valve TN Ball	0610377192026	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
NTX103003B	2-1/2," 3" PVC 3-Way True Union Ball Valve TN Ball	0610377192033	1
NTX104003B	4," 6" PVC 3-Way True Union Ball Valve TN Ball	0610377192040	1
BSX142	4" PVC 3-Way True Union Ball Valve Assembly Nut Required for 3rd Port (Qty of 1)	0610377870733	1
ECX15T	1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191531	1
ECX17T	3/4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191555	1
ECX11T	1" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191432	1
ECX12T	2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191470	1
ECX125T	2-1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377686594	1
TUX101004F	1" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377120654	1
TUX101254F	1-1/4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377105002	1
TUX101504F	1-1/2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193795	1
TUX102004F	2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377196147	1
TUX103004F	3" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193825	1
TUX104004F	4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193849	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138338	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138338	1
LAX164F	6" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138345	1
LAX5PAKE	1/2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870894	1
LAX7PAKE	3/4" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870900	1
LAX1PAKE	1" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870917	1
LAX2PAKE	1-1/4," 1-1/2," 2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870924	1
LAX3PAKE	2-1/2," 3" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870931	1
LAX4PAKE	4," 6" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870948	1
BYV SERIES BUTTERFLY VALVE PARTS			
BYXV4HLKIT	4" BYV Lever Assembly	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assembly	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assembly	0610377254717	1
BYCN SERIES BUTTERFLY VALVE PARTS			
LEX2B	2," 2-1/2" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209205	1
LEX4B	3," 4" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377207270	1
LEX6B	5," 6," 8" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209212	1
BY SERIES BUTTERFLY VALVE PARTS			
LEX3A	2", 3" Lever Handle Replacement for Butterfly Valve	0610377203494	1
LEX4A	4" Lever Handle Replacement for Butterfly Valve	0610377203500	1
LEX6A	6" Lever Handle Replacement for Butterfly Valve	0610377203517	1
LEX8A	8" Lever Handle Replacement for Butterfly Valve	0610377203524	1
BYCN SERIES BUTTERFLY VALVE PARTS			
LEX2B	2," 2-1/2" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209205	1
LEX4B	3," 4" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377207270	1
LEX6B	5," 6," 8" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209212	1
BYV SERIES BUTTERFLY VALVE PARTS			
BYXV3HLKIT	2" BYV Lever Assy for BYV Series Butterfly Valve	0610377254632	1
BYXV4HLKIT	4" BYV Lever Assy for BYV Series Butterfly Valve	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assy for BYV Series Butterfly Valve	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assy for BYV Series Butterfly Valve	0610377254717	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
BASKET STRAINER PARTS			
BSX1111ASSYE	1/2" - 1" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872522	1
BSX1211ASSYE	1-1/4" - 2" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872591	1
BSX1411ASSYE	2-1/2" - 4" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872614	1
BSX1611ASSYE	6" - 8" PVC Simplex or Duplex Cover Assembly w/EPDM O-Ring	0610377872652	1
SB1KITE	1/2" - 1" CPVC Simplex or Duplex O-Ring Replacement	0610377872690	1
SB2KITE	1-1/4" - 2" CPVC Simplex or Duplex O-Ring Replacement	0610377872713	1
SB4KITE	2-1/2" - 4" CPVC Simplex or Duplex O-Ring Replacement	0610377872737	1
SB6KITE	6" - 8" CPVC Simplex or Duplex O-Ring Replacement	0610377872751	1
BSX1PLUG2	1/2" - 2" PVC Simplex or Duplex Plug Replacement w/FPM O-Ring	0610377872751	1
BSX1PLUG2E	2-1/2" - 8" PVC Simplex or Duplex Plug Replacement w/EPDM O-Ring	0610377872775	1
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS			
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377659635	1
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377659635	1
BS11001/16	1/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797665	1
BS11001/8	1/8" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797917	1
BS11003/16	3/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797924	1
BS71020	20 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111584	1
BS71040	40 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111614	1
BS71060	60 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111621	1
BS71080	80 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111638	1
BS710100	100 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111577	1
BS7101/32	1/32" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017398	1
BS7101/16	1/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017411	1
BS7101/8	1/8" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017466	1
BS7103/16	3/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017596	1
BS12001/32	1/32" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793063	1
BS12001/16	1/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111355	1
BS12001/8	1/8" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793070	1
BS12003/16	3/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793087	1
BS72020	20 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111829	1
BS72040	40 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111850	1
BS72060	60 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111867	1
BS72080	80 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111874	1
BS720100	100 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111812	1
BS7201/32	1/32" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018654	1
BS7201/16	1/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018685	1
BS7201/8	1/8" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018777	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377693257	1
BS14003/16	3/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852586	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377693257	1