

HeatPro® MCHX Series

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

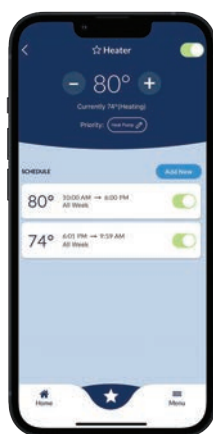
Features and Benefits

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

*Heat+Chill models only



HP31405T



ADD OMNI® AUTOMATION FOR A NEW DEGREE OF CONTROL.

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

Specifications

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

For replacement parts see pages 366–367.



HP31005T

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

Features and Benefits

- Titanium heat exchanger for trouble-free performance even under the harshest conditions
- Profiled fan blade for high performance and quiet operation
- Ultra Gold corrosion resistant evaporator coil for excellent durability in coastal environments
- Easy to read display
- 2" x 2 1/2" union connections for easy installation and maintenance
- These models combine convenient Heat/Cool capabilities with energy-saving Low Ambient Operation



HP50HA2 / HP70HA2

Specifications

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

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

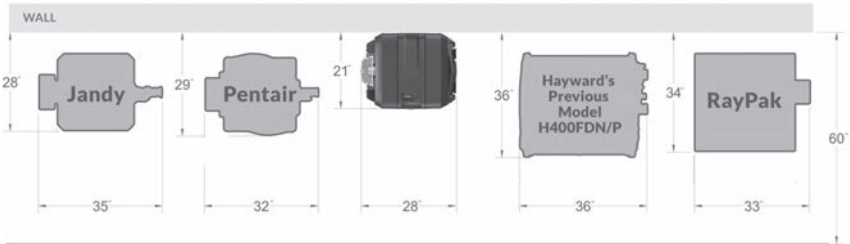
Features and Benefits

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



HDF400

The Industry's Smallest-Footprint Heater*



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Specifications

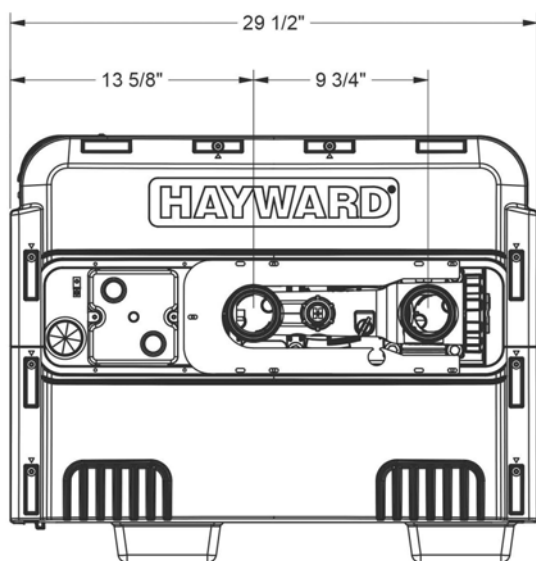
SKU	Fuel Type	Heating Capacity (BTU/hr)	Voltage	Plumbing Connection	Product Dimensions	Thermal Efficiency	Ctn. Weight (lbs.)
HDF275	Dual Fuel	275,000	120/240 Volts	2" x 2 1/2" Union	31" x 28" x 21"	84%	180
HDF400	Dual Fuel	400,000	120/240 Volts	2" x 2 1/2" Union	31" x 28" x 21"	84%	180

Universal H-Series Low NOx



H400FDN

Overall Dimensions (inches)



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

Features and Benefits

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

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

Specifications

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

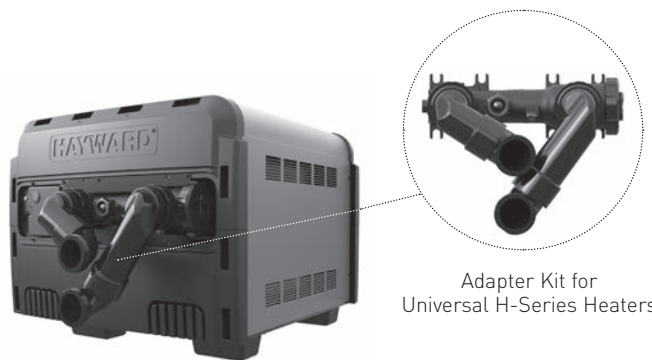
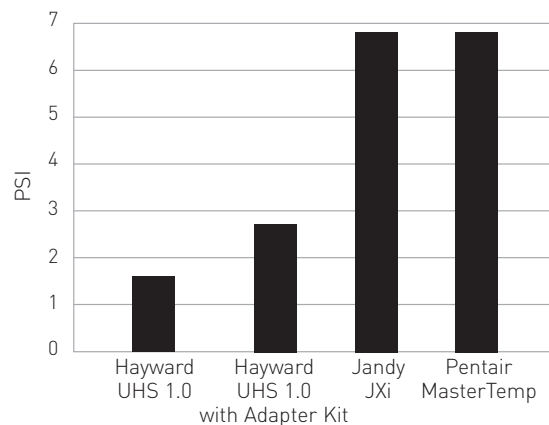
This one-a-kind Adapter Kit is the easiest way to replace Jandy® JXi™ or Pentair® MasterTemp® heaters with Hayward® Universal H-Series heaters. It eliminates the need for site re-plumbing of water piping attached to the equipment pad, saving both time and hassle. Hayward Universal H-Series heaters offer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



UHXWJAK1930

Features and Benefits

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



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Specifications

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

Universal H-Series Indoor Vent Kit Matrix

Indoor Vent Adapter Kits HORIZONTAL Venting – POSITIVE Pressure

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

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

*Kit must be accompanied by UHXHFA004 or UHXDVA004

**Kit must be accompanied by UHXHFA006 or UHXDVA006

Indoor Vent Adapter Kits VERTICAL Venting – NEGATIVE Pressure

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

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

Universal H-Series Indoor Vent Kit Matrix

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

*For Heatfab single-wall vent pipe section length, "x" should be: 1, 2, 4, 5, or 7, where 1=6 inches, 2=12 inches, 4=18 inches, 5=24 inches, and 7=36 inches.

**For Heatfab double-wall vent pipe section length, "x" should be: 06, 09, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.

†For DuraVent vent pipe section length, "x" should be: 6, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.

‡For these horizontal terminals, the wall penetration is included from the vent manufacturer. On all others, it must be ordered separately.

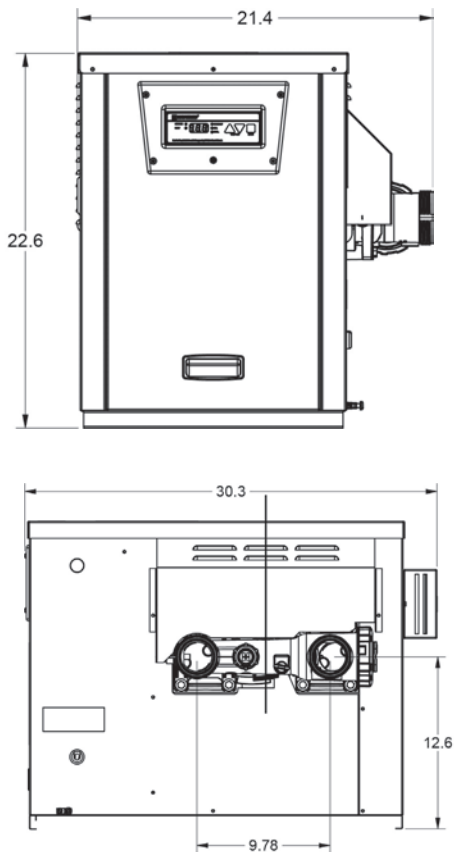
H-Series

Heating



H135ID1

Overall Dimensions (inches)



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

Features and Benefits

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

Specifications

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

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

Features and Benefits

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



CSPAXI11

Heating

Specifications

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

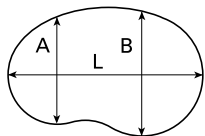
For replacement parts see pages 364–365.

Heater Selection Guide

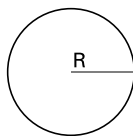
SELECTING THE CORRECT SIZE HEATER FOR POOLS AND SPAS

Pool Sizing

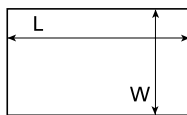
Determine your pool's surface area in square feet:



$$\text{Area} = (A+B) \times L \times .45$$



$$\text{Area} = R \times R \times 3.14$$



$$\text{Area} = L \times W$$

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

For indoor pool installations divide the pool's surface area by 3. Tables are based on a 30°F temperature rise, 3 1/2 MPH average wind velocity and elevation of up to 2,000 feet above sea level.

Recommended Gas Heater for Swimming Pools

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

Example:

Rectangular pool: 25 ft. x 30 ft.:

$$25 \times 30 = 750 \text{ ft.}^2 \text{ Surface Area}$$

Recommended Universal H-Series Model Heater – H250FD

Saving Money by Saving Energy

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

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



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

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

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

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

Spa/Hot Tub Sizing

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

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

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

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

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

Recommended Gas Heater for Spas/Hot Tubs

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

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

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

Recommended CSpaXI Models for Spas/Hot Tubs

Model	Spa/Tub Size in Gallons							
	200	300	400	500	600	700	800	900
	Time in minutes to Raise Spa/Tub Temperature 30°F							
CSPA155	160	240	320	400	480	560	640	720
CSPA111	80	120	160	200	240	280	320	360

Example:

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

$$\begin{array}{r} 100^\circ\text{F} \\ \text{subtract} \rightarrow 70^\circ\text{F} \\ \hline 30^\circ\text{F Requested Temperature Rise} \end{array}$$

Recommended CSPAXI Model Heater – CPAXI11

Heater Technical Information

SELECTING THE CORRECT SIZE HEATER FOR POOLS AND SPAS

GAS SUPPLY AND PIPING: All GAS connections must be in conformance with all applicable local codes, regulations and the National Fuel Gas Code NFPA54/ANSI2223-1 & ANSI/NFPA 58. To properly size the gas piping for the heater, refer to Tables 10, 11, 12, and 13, depending on natural or propane gas, and single-stage or 2-stage regulation. Follow local gas codes for proper gas line material selection (copper, iron, plastic, etc.). It is **VERY IMPORTANT** when installing a propane heater on a 2-stage regulation system, to follow the gas line sizing data in Tables 12 or 13 without exception.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

Features and Benefits

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

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

HSCTRACCU

Overall Dimensions (inches)



Specifications

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

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

Features and Benefits

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



PVS20JST (left) and PVS40JST (right)

Cleaners

Specifications

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

R110 & R130



W3RCH411CU (left) and W3RCH431CU (right)

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

Features and Benefits

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

*R130 Model Only

Specifications

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

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

Features and Benefits

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



RC9950CUB

Cleaners

Specifications

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



RC9740WCCUB

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

Features and Benefits

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

Specifications

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

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

Features and Benefits

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



RC9740CUB

Specifications

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

Navigator® V-Flex™



HSC925CC

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

Features and Benefits

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

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

Specifications

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

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

Features and Benefits

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

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



925ADC

Specifications

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



Cleaners

HSC2025CC

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

Features and Benefits

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

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

Specifications

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

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

Features and Benefits

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

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



2025ADC

Cleaners

Specifications

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

AquaNaut® 250/450



PBS22CST (left) and PBS42CST (right)

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

Features and Benefits

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

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

Specifications

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

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

Features and Benefits

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



W3900

Specifications

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

Penguin



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

Features and Benefits

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

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

Cleaners

100

Specifications

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

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

Features and Benefits

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

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



500

Cleaners

Specifications

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

PowerVac™ & SuperVac™



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

Features and Benefits

- “See-thru” design for fast and easy cleaning
 - Long-wearing brushes quickly loosen tough algae spots
 - Contoured shape provides for easy corner and step cleaning
 - 360° swivel connector ends aggravating hose tangling
 - Optional weight package for extra vacuuming convenience*
 - Supplied in professional point-of-sale packaging
- NOTE: *These weights are included with the Deluxe model

SP1067

Specifications

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

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

Features

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



Specifications

Model Number	Description	Ctn. Qty.	Ctn. Weight
W560	Leaf canister*	6	19 lbs.
W530	Large capacity leaf canister with mesh bag	6	26 lbs.
W550	1 1/2" adapter kit (for use with a W450 or W530 with manual vacuum cleaner)	10	1 lbs.

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

Specifications

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



W560



W530

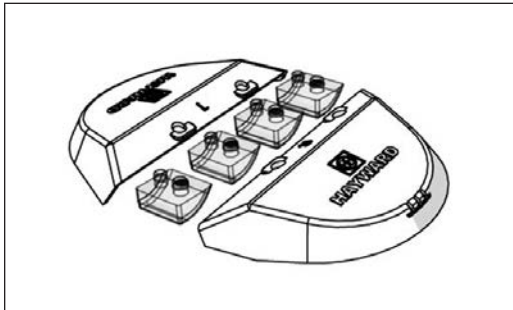


VacLock™ Safety Wall Fitting

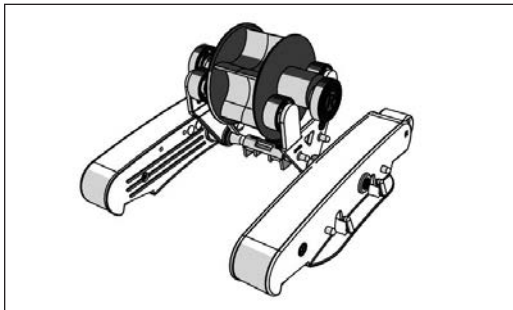
Accessories

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

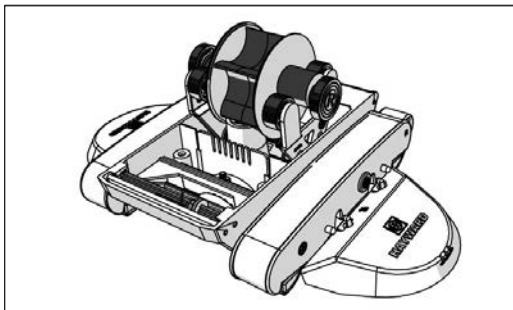
Patented V-Flex variable vane technology allows for larger debris pickup more than any other cleaner on the market and maximizes suction power at lower flow for energy-efficient results, perfect for use with variable-speed pumps. All components within the upgrade kit improve the performance of debris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



Wing and Shoe Maintenance Kit



A-Frame Turbine and Pod Tune Up Kit



Specifications

Part Number	Description
V-Flex Upgrade Kits	
VWX3000CKITWH	V-Flex Upgrade Kit – Concrete, White
VWX3000VKITWH	V-Flex Upgrade Kit – Vinyl, White
VWX3000SCKITWH	V-Flex Upgrade Kit Plus – Concrete, White
V-Flex Upgrade Kit Content	
• V-Flex Turbine Kit • Bearing Free A-Frame Kit and Retainer • Replacement Shoes • Replacement Wings • Suction Inlet (Throat)	
V-Flex Upgrade Kit Plus	
• V-Flex Turbine Kit • Bearing Free A-Frame Kit and Retainer • Replacement Shoes • Replacement Wings • Suction Inlet (Throat) • Pod Kit • Front and Rear Flaps	
V-Flex Complete Propulsion Kit	
AXV925CCWHT	V-Flex Propulsion/Wing Conversion Kit – Concrete, White

Model Number	Description	Ctn. Qty.	Ctn. Weight
Suction Cleaner Accessories			
V094P	In-line flow regulator valve	10	3 lbs.
V574P	In-line flow gauge	25	7 lbs.
V305P	PoolVac Classic™ and PoolVac Plus™ bumper (assists in steering clear of unusual objects)	25	4 lbs.
SP1048AVH	Suction outlet bumper. Keeps automatic cleaners from sticking to drain cover (for original Hayward 8" SP Series anti vortex drain covers only).	10	2 lbs.

Turbine Cleaner Tune-Up and Repair Kits			
AXV414604WHP	Wing and shoe maintenance kit	50	9 lbs.
AXV621417WHP	A-frame turbine and pod tune up kit	10	10 lbs.
AXV622604WHP	Propulsion and wings rebuild kit	1	3 lbs.
AXW321	Tune-up Kit, PoolVac (vinyl, old style), White	10	5 lbs.
AXW350	Tune-up Kit, PoolVac Plus or Navigator (concrete), White	10	5 lbs.

Poolvergnuegen Pool Cleaner Conversion Kits			
PVGXH792KIT	PoolCleaner 2-Wheel Next Gen Conversion Kit	1	2.2 lbs.
PVGXH808KIT	PoolCleaner 4-Wheel Next Gen Conversion Kit	1	4.7 lbs.
PVGXH884KIT	PoolCleaner 2-Wheel Limited Next Gen Conversion Kit	1	2.2 lbs.
PVGXH891KIT	PoolCleaner 4-Wheel Limited Next Gen Conversion Kit	1	4.7 lbs.

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

Automatic Cleaner Hose Guide

Sizing Automatic Cleaner Hose Length/ Tips on Vacuum Requirements

To correctly size Hayward automatic cleaners, measure from the skimmer or Vac Lock to the farthest point in the pool. Add two hose lengths to provide sufficient mobility for the cleaner.

Example: A 16' x 32' rectangular pool will normally require 8-10 lengths of hose depending on depth and skimmer placement.

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

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

Example: A pool using 8 hose lengths requires 8" of vacuum for proper operation.

If the vacuum level is too high, adjust the filter system valving accordingly. In the absence of sufficient valving, use the optional in-line regulator valve.

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

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

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

USE ONLY HAYWARD ORIGINAL HOSES AND PARTS



TracVac® Suction Cleaner



VacLock Safety Wall Fitting



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

Specifications

Model Number	Description	Ctn. Qty.	Ctn. Weight
PoolVac® and Navigator®			
HSLHK110GRPK12	1M – Leader Hose 12 Pack, Gray* Replaces V532LG – V533LG	1	9 lbs.
HSCHK100GRPK12	1M – Connector Hose 12 Pack, Gray* Replaces V109LG – V130LG – V1032LG	1	9 lbs.
HSLCHK120GR	Hose Kit 1 Leader, 11 Connector 40"*, Gray Replaces V530LGP	1	9 lbs.
PoolVac V-Flex™ and Navigator V-Flex			
PVLHK110BKBP12	1M – Leader Hose 12 Pack, Black and Blue*	1	9 lbs.
PVCHK100BKBP12	1M – Connector Hose 12 Pack, Black and Blue*	1	9 lbs.
PVLCHK120BKBL	Hose Kit 1 Leader, 11 Connector 40"*, Black and Blue	1	9 lbs.
VacLock™			
W400BWHP	VacLock Safety Wall Fitting	10	20 lbs.
AquaNaut®, The PoolCleaner Limited Edition and TracVac™			
PVLHP1900GRPK10	1M – Leader Hose 10 Pack, Dark Gray*	1	9 lbs.
PVCHP1900GRPK10	1M – Connector Hose 10 Pack, Dark Gray*	1	9 lbs.
PVCHP1900GRPK24	1M – Connector Hose 24 Pack, Dark Gray*	1	13 lbs.
PVCHK1900GR	Hose Kit 1 Leader, 9 Connector 33"*, Dark Gray	1	9 lbs.
The PoolCleaner			
PVLHP1900WHPK10	1M – Leader Hose 10 Pack, White*	1	9 lbs.
PVCHP1900WHPK10	1M – Connector Hose 10 Pack, White*	1	9 lbs.
PVCHP1900WHPK24	1M – Connector Hose 24 Pack, White*	1	13 lbs.
PVCHK1900WH	Hose Kit 1 Leader, 9 Connector 33"*, White	1	9 lbs.

NOTES: *All hose lengths are approximate

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

Omni® Smart Pool & Spa Control



OmniLogic® Premium New Construction

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

OmniPL® Flexible New Construction

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

OmniHub® Aftermarket Controllers

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

Configuration Guide

1. Start with OmniLogic, OmniPL or OmniHub Panel

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

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

2. Optional System Expansion

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

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

3. Optional Additional Controls

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

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

4. Optional Remote Controls

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

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

*For Omnis with Internal Displays

5. Optional Sanitization

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

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

NOTE: Mobile phone and tablet are not included with Omni products. OmniLogic shown with optional remotes.

*With expanded capabilities from HLIOEXPAND/HLEXPAND

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

Features and Benefits

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



HLBASE

Specifications

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



HLPLUS4W

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

Features and Benefits

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

Specifications

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

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



HLOMNIHUB

Features and Benefits

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

Automation

Specifications

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



HLH485RELAY

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

Features and Benefits

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

Specifications

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

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

Omni Wireless Remote Features

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

Omni Wall-Mount Control Features

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

Omni Wired Spaside Touchpad and Mud Box Features

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



HLMUDBOX

Specifications

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

OmniPL® Retrofit Kit



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

Features and Benefits

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

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

HLPROUPG

Automation

Specifications

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

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

Features and Benefits

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



VSPOMNIX (left) and W3GATEWAYX1 (right)

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

Features and Benefits

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

Specifications

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

Valve Actuators



GVA-24

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

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

Features and Benefits

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

Specifications

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

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

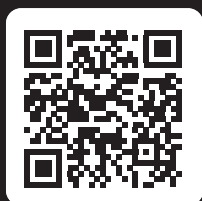


SKU	Description	Ctn. Weight (lbs.)
AQ-SOL-LV	AquaSolar with LV output	20
AQ-SOL-LV-TC	AquaSolar with LV and HV output, timeclock, and 3 H.P. relay	13
GL-235	AquaSolar pool control, 12/24VAC and 120/240VAC output	5
GLC-1P-A	Solar Pool Control System with GL-235, 1.5" Valve	8.7
GLC-2P-A	Solar Pool Control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

SIMPLE IS BETTER.

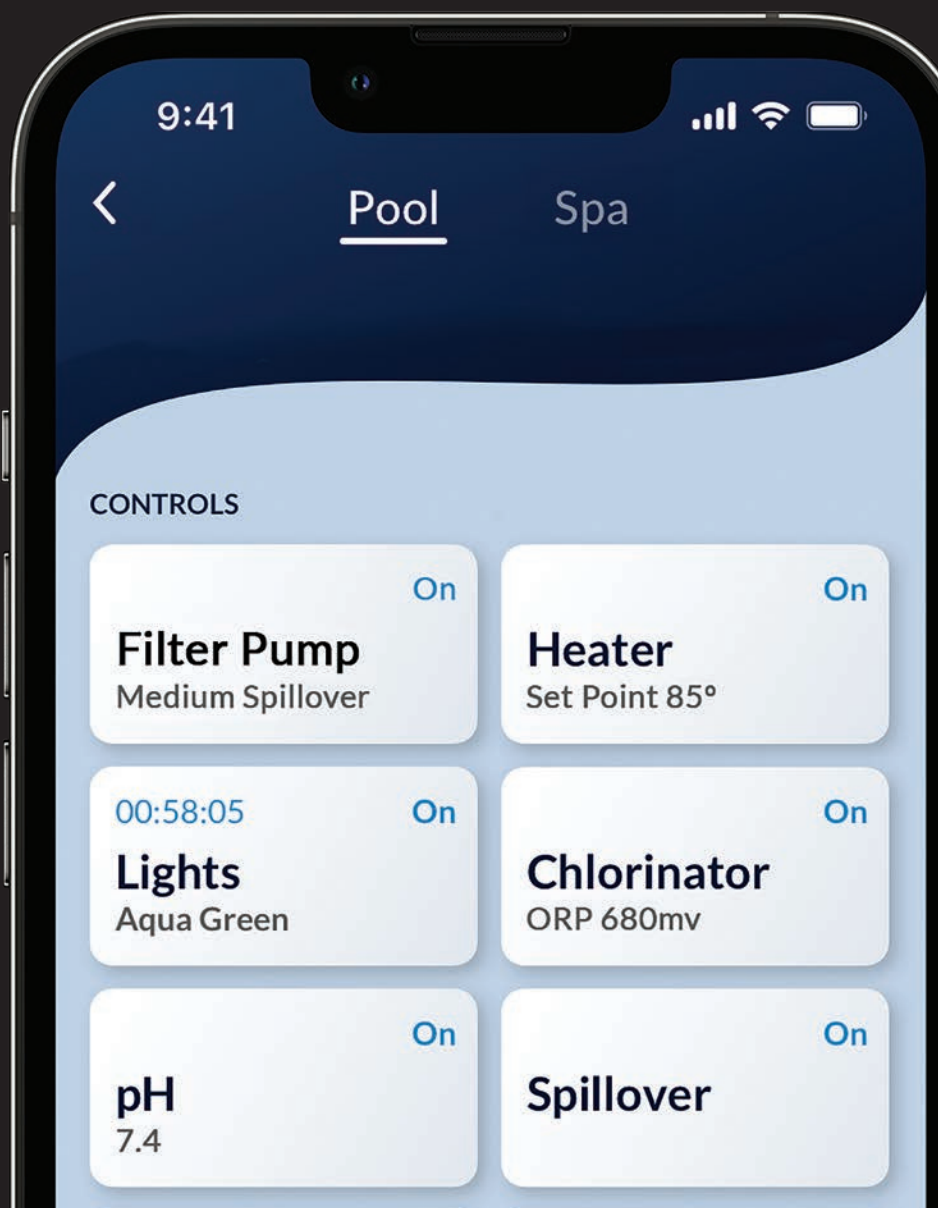
The OmniLogic® app connects everything in the pool and backyard and controls it all with a tap, click or voice command. Plus, with the same intuitive interface for every Omni® automation system and more than 1,000 5-star reviews on app stores, OmniLogic is just as simple to love as it is to use.

THE HIGHEST-RATED POOL CONTROL APP.



Scan the QR code
to learn more about
Better Automation

OMNILOGIC APP



Mobile phone is not included with Omni automation systems.

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ProLogic®/OmniPL® Replacement Comparison

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

Feature	P-4	HLP404W	PS-4/8	HLP404SW	HLBASE	Comments
Variable Speed Pump control	2/8	8	2/8	8	16	Omnis up to 8/16 VSP pumps full speed control no relays P4/PS4 2 multi speed/up to 6 as single speed
Auxiliary relay outputs	4	4-8*	4 or 8	4-8*	4-20*	3HP, 120/240VAC *upgradeable with HLRelay, HLRelaybank and HLH485Relay
Gas heater/heat pump control	1	3	2*	3	4-8**	controls up to X heat sources, Omnis controls heat/cool
Valve control	3	4	4*	4	4-16**	24VAC, purchase GVA-24 valve actuators separately *using 2nd heater disables 4th valve output **using HLIOEXPAND and HLEXPAND
Salt Chlorination	✓	No	✓	✓	✓	Choose a 40K, 25K or 15K cell; plumbing kit required (includes flow switch and unions)
Color Light Control	No	Full	No	Full	Full	P4/PS4 manual color light control, Omnis control for Hayward (OmniDirect if available), Pentair and Jandy color lights
Apple/Google Apps	Optional	✓	Optional	✓	✓	apps for Apple/Android phones/tablets to control pool/spa
Built-in subpanel	125A	125A	125A	125A	125A	8 position tub, accepts 125A feeds, derated per NEC to 100A
Knockouts of optional GFI outlet	1	1	1	1	1	side of enclosure, GFI outlet not included
Relocatable touch screen display	No	✓	No	✓	✓	Omnis have 15 ft relocatable display, all units allows programming at pool equipment pad
Themes/Groups/Macros	1	25	2	25	25	perform multiple functions with one button
Favorites/Soft Keys	0	50	0	50	50	additional keys for assigning functions
AquaRite® control	✓	✓	✓	✓	✓	controls 1 or more AquaRites for additional chlorination, Omnis require HLAQRPCB
Shared equipment for pool and spa	✓	✓	✓	✓	✓	operates pool/spa suction and return valves, allows spillover
Dual equipment for pool and spa	No	✓	✓	✓	✓	P4/PS4/8 solar function not available with dual equipment
Dual equipment with shared heater	No	✓	✓	✓	✓	controls a single heater to heat both pool and spa
Bodies of Water Supported	2	4	2	4	4	Omnis can control from your basic pool to 2 pools/2 spas on the same controller
Pool filter pump timer	4	24	4	24	24	programmable on/off periods per day
Spa pump timer	2	24	2	24	24	2 periods per day, spa has priority over all other functions
Manual on with countdown timer	✓	✓	✓	✓	✓	P4/PS4 5 minutes to 21 hours, Omnis 1 min to 24 hours
Freeze protection	✓	✓	✓	✓	✓	disable or enable with adjustable threshold 33-42°F
Auxiliary Relay functions						
Programmable names	None	Custom	Pre named	Custom	Custom	pre named examples: "spa jets", "blower", "water feature", etc.
Manual on/off	✓	✓	✓	✓	✓	turn any relay powered equipment on and off manually
Countdown timer (egg timer)	✓	✓	✓	✓	✓	manual on, automatically turns off after programmed elapsed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar boost pump	✓	✓	✓	✓	✓	turns on when solar heat is available
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	enable/disable, output off when filter pump off or in spa-only mode
Valve output functions						
Manual on/off	No	✓	✓	✓	✓	manual on/off control of all relays
Default on speeds	No	✓	✓	✓	✓	turn on specific speeds for water features
Countdown timer (egg timer)	No	✓	✓	✓	✓	manual on, automatically turns off after programmed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar	✓	✓	✓	✓	✓	turns on when solar heat is available
In-floor cleaner	30/30	Custom	30/30	Custom	Custom	30 minutes in one position, 30 minutes in the other, Omnis custom
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	P4/PS4 to filter pump or spa mode, omni custom scenarios for interlocks
Gas heater/heatpump control						
Separate settings for pool and spa	✓	✓	✓	✓	✓	65-104°F, with off position, Omni custom min/max
Heater cooldown	✓	✓	✓	✓	✓	enable/disable, runs filter pump for 5 minutes after heater turns off
Heating and Cooling Control		✓		✓	✓	Operate Hayward Cooling Down to 40C (model dependent)
Heater extend	✓	✓	✓	✓	✓	enable/disable, extends normal filter time if pool is not up to temperature
Manual off-automatic button	No	✓	✓	✓	✓	manual on/off of all valves
Solar control built in	✓	✓	✓	✓	✓	enable/disable, 65-104°F, separate pool and spa settings
Additional Accessory Control Sense and Dispense®	✓	✓	✓	✓	✓	chemistry automation
AquaPod® 2.0/HLWireless	Pod	Wireless	Pod	Wireless	Wireless	waterproof, hand held rechargeable remote control
Wired wall remote display/keypad	Buttons	Touch	Buttons	Touch	Touch	P4/PS4 wired button remote, Omnis touchscreen remote
Wired spaside remote	✓	✓	✓	✓	✓	6 functions, waterproof
Wireless antenna	Option	Built In	Option	Built In	Built In	P4/PS4 required for remotes, Omnis included in base
OmniDirect Light Controls	No	✓	No	✓	✓	20 colors, direct to color, dimming and show speed change
Home Automation Integration	No	Included	Optional \$	Included	Included	free integration with most top home automation companies
Apple and Google Apps	Optional \$	Included	Optional \$	Included	Included	industries best pool and spa control app
Apple Watch Controls	No	Included	No	Included	Included	control your pool and spa with your Apple watch
Amazon Alexa	No	✓	No	✓	✓	use voice control to check on and control your pool and spa

*Replacement for PL-P-4: HLP404W (No Salt with Web); Replacement for PL-PS-4: HLP404SW (Salt with Web); Replacement for PL-PS-8: HLBASE + HLRELAYBANK (Salt with Web)



HYDRAPURE

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

Features and Benefits

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

Sanitization

Specifications

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

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

Features and Benefits

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

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

**Voice control devices are not included



AQRS3250MNI

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQRS3250MNI	AquaRite S3 Omni Salt System 25,000 gallon	24
AQRS3400MNI	AquaRite S3 Omni Salt System 40,000 gallon	24
AQRS30MNIKIT	AquaRite S3 Omni Upgrade Kit	3.60

AquaRite® S3



AQRS315

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

Features and Benefits

- LCD color display for built-in control of chlorine levels, heater and variable-speed pump*
- Clear TurboCell® salt cell for easy inspection
- Operates over a broad range of salt levels, 800-8000ppm
- Pool cover detect capabilities
- Auto voltage select for easier installation
- Easy upgrade path to Omni® controls via AQRS30MNIKIT

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

Sanitization

Specifications

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

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

Features and Benefits

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



AQR3

Sanitization

Specifications

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

AquaRite® 100



AQR100

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

Features and Benefits

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

Sanitization

Specifications

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

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

Features and Benefits

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

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



TCELLS315

Sanitization

Specifications

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



T-CELL-3

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

Features and Benefits

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

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

Sanitization

Specifications

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

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

Features and Benefits

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



CCELL

Sanitization

Specifications

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



SAS-ABG

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

Features and Benefits

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

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

Sanitization

Specifications

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

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

Features and Benefits

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



AQL-CHEM2

Sanitization

Specifications

SKU	Description	Ctn. Weight (lbs.)
AQL-CHEM2	pH Dispense, 120V Solenoid Valve for CO ₂	20
HL-CHEM	Chemistry Kit, pH and ORP Sense, ORP Dispense	6

Chemical Feed Pumps



AQL-CHEM4-ACID

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

Features and Benefits

- Continuously senses sanitization and pH levels and dynamically dispenses what the water needs
- Uses salt chlorination to deliver fresh chlorine when needed
- Dispenses Carbon Dioxide (CO₂) or Muriatic Acid to control pH

Sanitization

Specifications

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

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

Features and Benefits

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

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



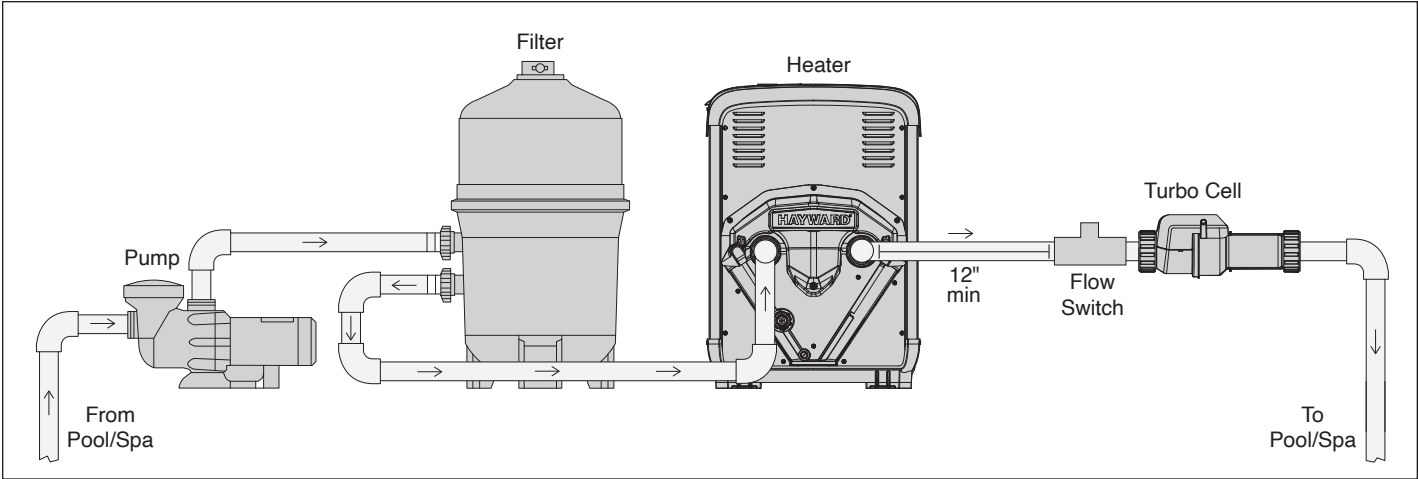
AQ-TROL-HP

Specifications

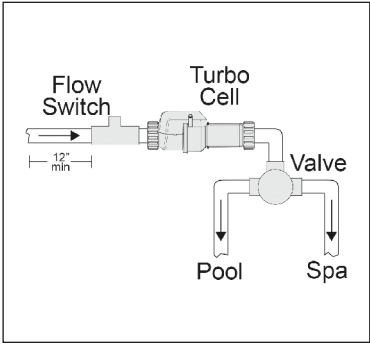
SKU	Description	Ctn. Weight (lbs.)
AQ-TROL-HP	AquaTrol with hose/pipe fittings, "straight blade" line cord and outlet	25
AQ-TROL-HP-TL	AquaTrol with hose/pipe fittings, twist lock line cord and outlet	25
AQ-TROL-RJ	AquaTrol with Return jet fittings, "straight blade" line cord and outlet	23.8
AQ-TROL-RJ-TL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

Chlorinator Cell

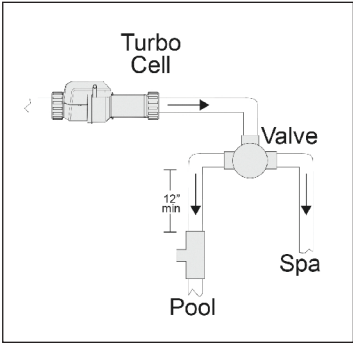
Install the cell and flow switch downstream of all existing equipment, but prior to the pool/spa return valve. The flow switch can be located immediately downstream from the cell (as shown) or can be installed with 12" of straight pipe directly before the mounting tee (option 1 below). For stand-alone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



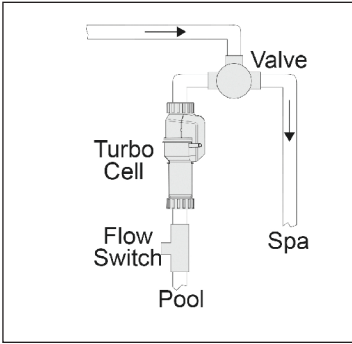
Chlorinator Cell



Optional Configuration #1

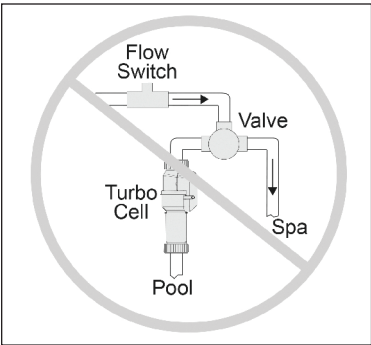


Optional Configuration #2



Optional Configuration #3

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



Optional Configuration #4

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

Will the pool water taste salty?

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

Types of salt

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

Amount of salt to add to the pool

Hayward salt chlorine generation systems require salt levels between 2700 and 3400ppm. Note: Refer to individual Hayward model capabilities to operate at lower levels, covering a wider salt range of 800-8000ppm. This amount of salt is below the level of taste for most people and is the equivalent of 1 teaspoon of salt per gallon. Since all

chlorine added to a pool eventually reverts to salt, it is very important to measure the salt level in existing pools before adding any salt.

How to use this table

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

How to add salt

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

Salt Display

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

Pounds of Salt Required for 3200ppm

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

Pool Chemistry

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

Salt 2700 to 3400ppm

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

Stabilizer 30 to 50ppm

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

Chlorine

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

pH determines Chlorine effectiveness

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

Why is water chemistry important?

Continuous filtration, cleaning and sanitization are not enough — balancing pH (potential hydrogen) is vital. Chlorination should keep germs and algae at bay but when pH is unbalanced, it can’t do its job. Let the pH drop too low and the water becomes acidic and attacks anything it touches. When pH drifts up, the water becomes alkaline

and creates an environment where mineral deposits (scale) can form. Furthermore, when pH is high, chlorine becomes less effective at its primary task — killing bacteria and algae.

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

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

What is balanced water?

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

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

TurboCell® Right-sized salt chlorination

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

Live in an arid climate?

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

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

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

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

SUPERIOR SALT CHLORINATION WITH BUILT-IN POOL CONTROL.



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

THE #1 BRAND IN
SALT WATER POOLS.

hayward.com/aquariteS3

EXPERT LINE®



NOT SOLD
ONLINE



3+ YEAR PARTS &
LABOR WARRANTIES*

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

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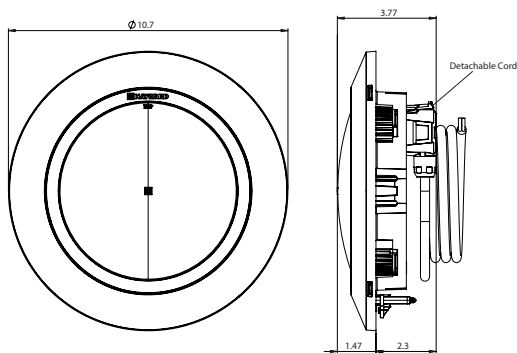
 **HAYWARD®**
We Build Better.™

Universal ColorLogic® 2.0

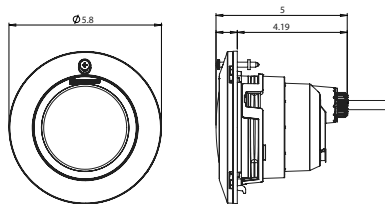


LPCUS22030 (left) and LSCUS22030 (right)

Overall Dimensions (inches)



LED Pool Light



LED Spa Light

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

Features and Benefits

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

NOTE: *Available on pool lights only

Specifications

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

Universal CrystaLogic® 2.0

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

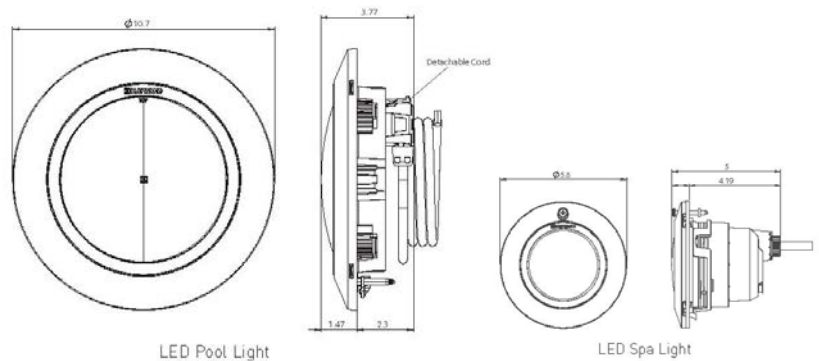
Features and Benefits

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



LPLUS22030 (left) and LSLUS22030 (right)

Overall Dimensions (inches)



Specifications

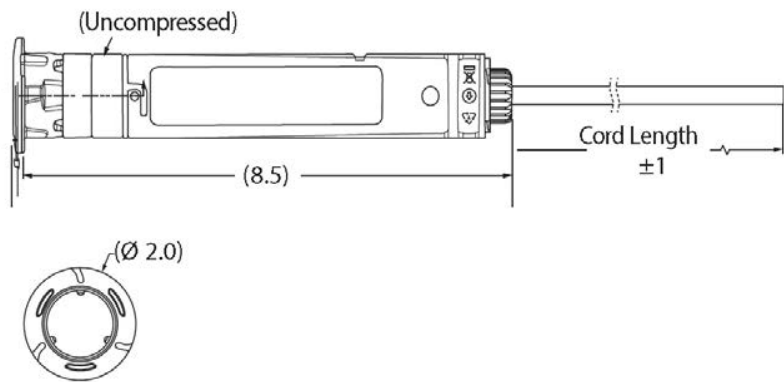
SKU	Pool or Spa	CCT	Wattage	Wattage Equivalence	Cord Length	Peak Lumens	Voltage	Trim Material	Ctn. Qty.	Ctn. Weight (lbs.)
LPLUS22030	Pools	6500K / Cool White	37	300	30 ft.	3300	12-15V	Thermoplastic	1	8.6
LPLUS22050	Pools	6500K / Cool White	37	300	50 ft.	3300	12-15V	Thermoplastic	1	10.1
LPLUS22100	Pools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

Colorlogic® 320



LACUS11030

Overall Dimensions (inches)



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

Features and Benefits

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

OmniDirect Mode offers:

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

Specifications

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

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

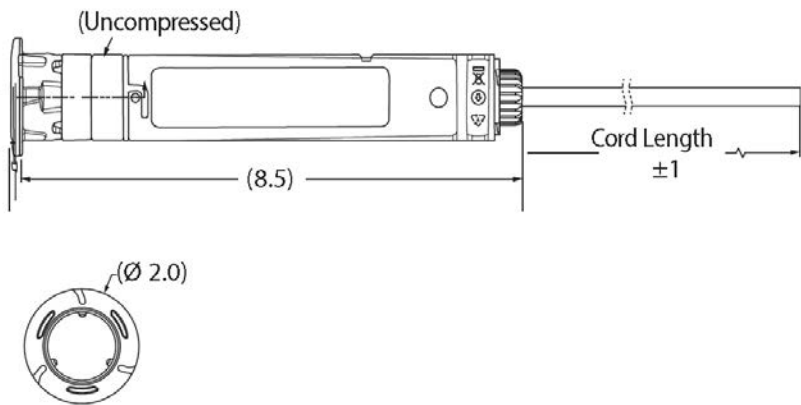
Features and Benefits

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



LAWUS11030

Overall Dimensions (inches)



Specifications

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

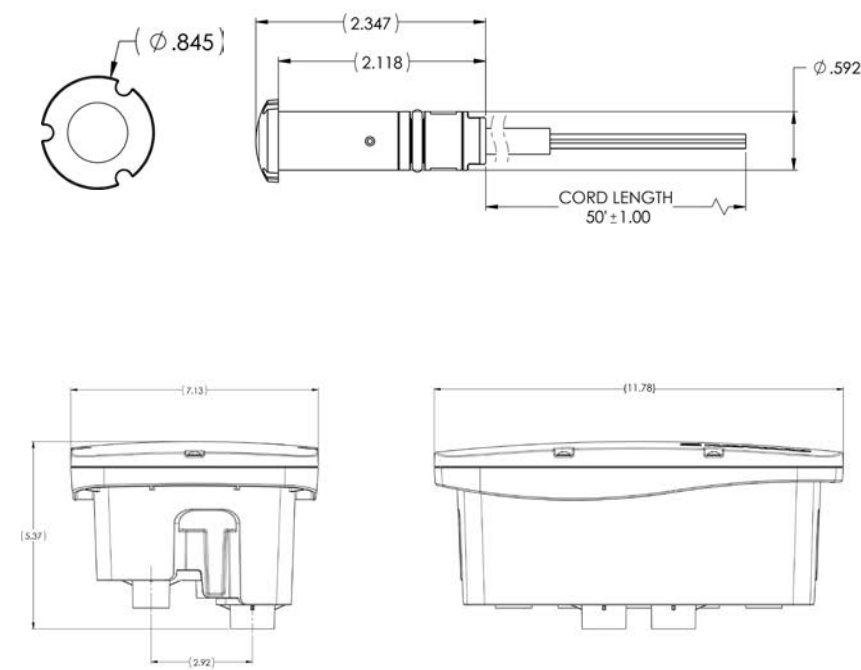
ColorLogic® 80



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

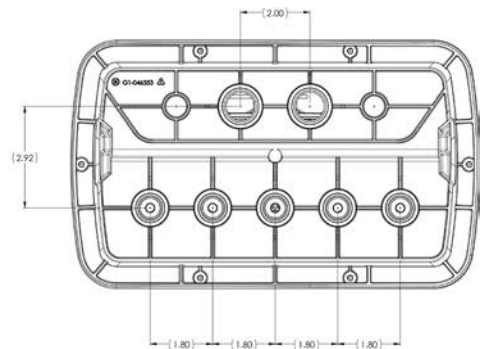
LMCUS11100

Overall Dimensions (inches)



Features and Benefits

- Illuminate hard to reach areas, such as steps, water features, landscaping, decking, sun shelves, sheer cascades, waterfalls and more
- Featuring ColorLogic's 10 fixed colors and 7 dynamic color-changing shows to match your mood
- 10 additional colors, faster navigation, dimming and speed control with with OmniDirect Mode™ when paired with Hayward Omni® automation systems
- Install in wet or dry environments in 1/2 inch PVC conduit and as little as 4 inches of water
- Significantly more efficient than typical incandescent bulbs
- Available in two brightness levels
- For use in Residential in-ground pools, spas, or landscape applications



Specifications

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

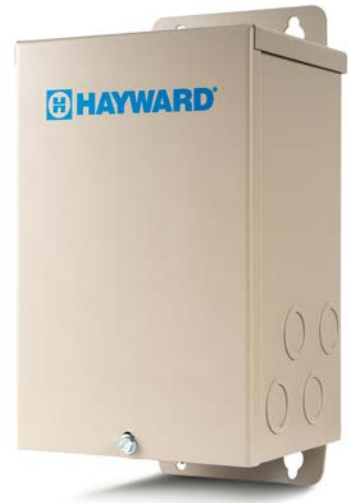
SmartPower® Transformer

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

Features and Benefits

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

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



LTSUY11300

Overall Dimensions (inches)



Lighting

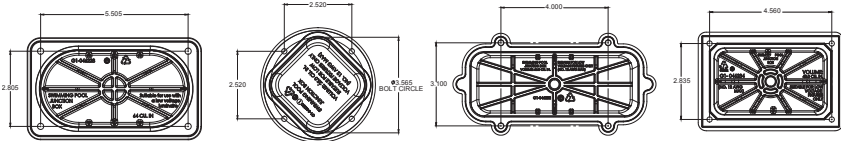
Specifications

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

Junction Boxes & Transformers



LJBUY00PP1



Cap, Hayward
Universal ColorLogic
LRBUY11H65

Cap, Thermocraft
Universal ColorLogic
LRBUY11T65

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

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

- Comes with strain relief to support one light or two lights
- Adaptable to 3/4" and 1" power entries
- Ideal for 120V lighting and low-voltage lighting

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

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

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

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

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

Specifications

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

ColorLogic® & CrystaLogic® Accessories

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

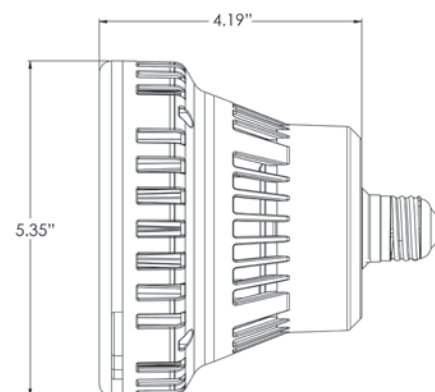
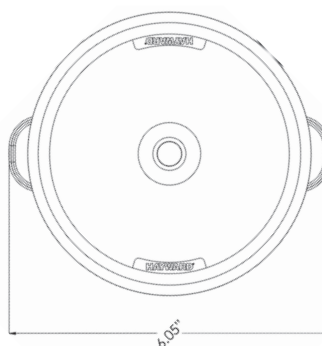
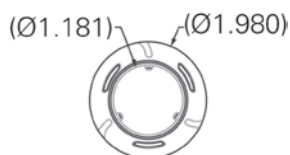
Features and Benefits

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



BPCUS11120

Overall Dimensions (inches)



Specifications

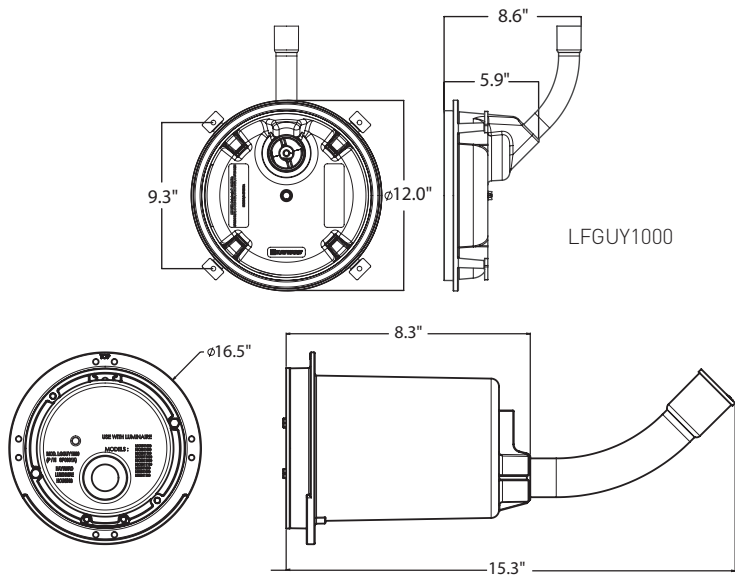
SKU	Description	Ctn. Weight (lbs.)
BPCUS11120	ColorLogic Color LED Bulb, 120V	1.2
GXL2INADP5PAK	ColorLogic 320 2" Adapter 5PK	8
LNGUY1000	Universal Color/CrystaLogic Pool Trim Ring, Dark Gray (Legacy)	4
LNVUY1000	Universal Color/CrystaLogic Pool Trim Ring, White Burst (Legacy)	4
LQGUY1000	Universal Color/CrystaLogic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

UCL Niches



LFGUY1000

Overall Dimensions (inches)



LFGUY1000

Light Compatibility Guide

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

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

Features and Benefits – Common to all models

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

Pool Niche Concrete (LFGUY1000)

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

Spa Niche Concrete (LGGUY1000)

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

Specifications

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

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

Features and Benefits

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

NOTE: Hayward does not recommend the installation of 120 Volt lights with cable length above 150'. For 120 Volt lights requiring longer than 150' cable, Hayward recommends using our Junction Box, LJB0Y00PP1, for 3/4" or 1" conduit, and a light with cable length needed from the lighting fixture to the Junction Box. Lights with cords up to 200' are UL listed.



SP0527LED100

Specifications

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

AstroLite® 120V



SP0583L100

NOTE: AstroLite Series light fixtures mount in the following fixture housings (niches) only:

SP0600U DuraNiche	Concrete
SP0607U DuraNiche	Vinyl/Fiberglass

NOTE: SP0600 and SP0607 Niches are no longer available

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

Features and Benefits

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

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

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

Specifications

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

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

Features and Benefits (Common to all models)

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



SP0600U

SP0600U and SP0601U

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

SP0607U

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

SP0608U

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

Hayward Pool Products Light to Niche Matrix			NICHES SPECS	LF6UY1000	LGGUY1000	LFVUY1000	SP0600A & 600U	SP0601A & 601U	SP0607U	SP0608U
Pool Type			2.75" deep	C	C	V/FG	C	C	V	6" round
LIGHTS	SPECS	Pool Type	Material	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
LPCxx/LPLxx, LPWxxx	Universal ColorLogic/ CrystaLogic Pool 1.0 & 2.0	All		X		X	X		X	
LSCxx/LSLxx	Universal ColorLogic/ CrystaLogic 1.0 & 2.0	All			X			X		X
SP0520	ColorLogic 4.0 Pool	C					X		X	
SP0530	ColorLogic 4.0 Spa	All						X		X
SP570N	Replacements 10" mounting diameter	All					*			
SP0580's	Standard 9.375" mounting diameter	All							X	
SP0590's	Spa (small) light	All						X		X

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

Specifications

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

VÜ Retro Lights



25014P

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

Features and Benefits

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

NOTE: *As based on independent third party testing data

Lighting

Specifications

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

ColorSplash® LED Pool Lights

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

Features and Benefits

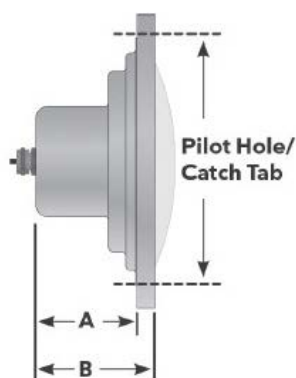
- RGB-W with "PureWhite®" mode
- Wide angle LEDs increase coverage area
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps

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



23001

Overall Dimensions (inches)



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

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

Specifications

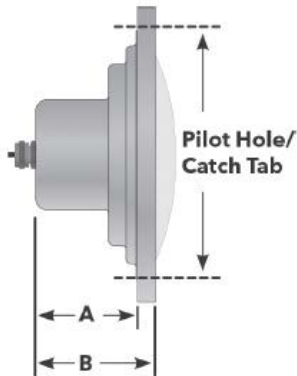
SKU	Description	Peak Lumens	Voltage	Type	Wattage	Cord Length	Ctn. Qty.	Ctn. Weight (lbs.)
23001	LPL-F2CW-120-50-P	3900	120V	RGBW / Color	59	50 ft.	1	13.5
23002	LPL-F2CW-120-100-P	3900	120V	RGBW / Color	59	100 ft.	1	18
23003	LPL-F2CW-120-150-P	3900	120V	RGBW / Color	59	150 ft.	1	22.5
23007	LPL-F2CW-12-50-P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

ColorSplash® SwimQuip LED Pool Lights



23026

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.

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

Features and Benefits

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

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

Specifications

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

ColorSplash® LED Spa Lights

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

Features and Benefits

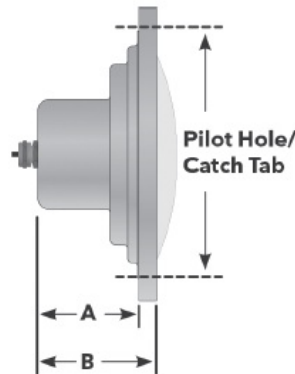
- RGB-W with "PureWhite®" mode
- Wide angle LEDs increase coverage area
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps

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



23011

Overall Dimensions (inches)



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

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

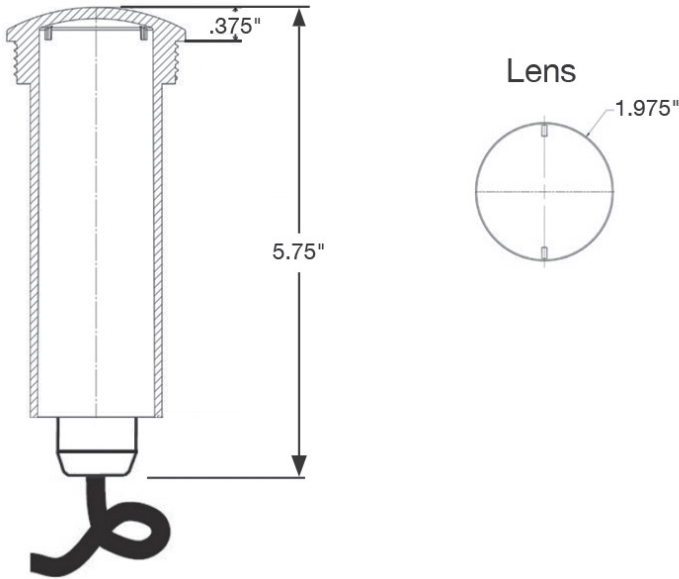
Specifications

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



25013

Overall Dimensions (inches)



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

Features and Benefits

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

Lighting

Specifications

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

PureWhite® LED Spa Lights

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

Features and Benefits

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

NOTES:

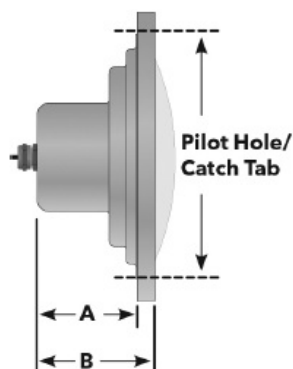
*HI Series compared to incandescent lamps

**Compared to incandescent lamps



21029

Overall Dimensions (inches)



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

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

Specifications

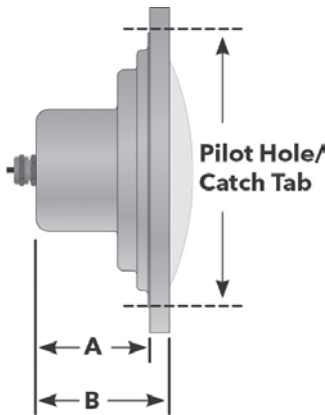
SKU	Description	Peak Lumens	Wattage	Voltage	CCT	Cord Length	Ctn. Qty.	Ctn. Weight (lbs.)
21029	LPL-S1W-120-100-P27	400	21	120V	2700K / Warm White	100 ft.	1	13
21051	LPL-S1W-12-150-P	500	25	12V	6500K / Cool White	150 ft.	1	21.5
21091	LPL-S1W-120-50-P	500	21	120V	6500K / Cool White	50 ft.	1	10
21101	LPL-S1W-120-100-P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

PureWhite® LED Pool Lights



21000

Overall Dimensions (inches)



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

Features and Benefits

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

NOTES:

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

	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.

PureWhite® LED Pool Lights

Specifications

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

ColorSplash® LED Lamps



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

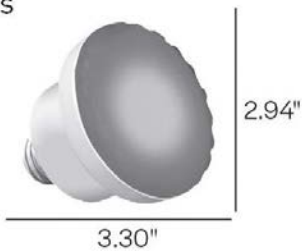
46910

Overall Dimensions (inches)

LPL-P3 Series



LPL-S3 Series



Features and Benefits

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

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

Specifications

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

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

Features and Benefits

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



26712

Overall Dimensions (inches)

LPL-PR Series



LPL-M2 Series



Specifications

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



27041

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

Features and Benefits

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

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

Lighting

Specifications

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

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

Features and Benefits

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



26039

Specifications

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