



A higher degree of comfort | and control.

Hayward H-Series Pool & Spa Heaters



my
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HAYWARD[®]

Control

The benchmark for an advanced heater system is the precision it brings to the water temperature—and ultimately the comfort it provides. The induced draft and electronic models both incorporate digital temperature read-outs, with the ability to easily set the correct temperature and monitor system diagnostics, to create the most enjoyable pool environment possible.



The digital LED control panel makes temperature programming and diagnostics fast and easy.

Durability



Patented non-corrosive polymer headers and stainless steel tube sheets provide durability that lasts.

Built to withstand even the harshest of conditions, the H-Series is the only line of heaters that employ a rust resistant water path. Unlike other models that use heavier cast iron or costly bronze assemblies, Hayward's patented non-corrosive headers are manufactured from a modern injection-molded polymer process. The benefits are lighter weight for easier installation, along with rust free performance.

Efficiency

With energy-efficiency top of mind, it is crucial for heating systems to operate as efficiently as possible. Insulated combustion chambers, including one inch thick FireTile[®], are featured in every model, and the result is spectacular and consistent performance day after day. Unlike older forms of insulation, FireTile securely traps in the heat and does not allow it to escape, providing the most from each BTU.



Energy-efficient FireTile[®] combustion chamber.

Quality



CPVC capability reduces installation time and cost.

Like all Hayward products, the H-Series line is designed to the most exacting standards of any pool system. You will be equally impressed with the appearance and user-friendliness as you are with their performance. With the H-Series, Hayward delivers the complete package. Which makes owning an H-Series heater as enjoyable to your senses as it is to your pool or spa.

ELECTRONIC HEATERS

Hayward's most advanced technologies have been incorporated into each of the Electronic heaters. For example, our Direct Spark Ignition is dependable under windy conditions—keeping the temperature consistent and your fuel costs down. Extend the warmth of your hospitality with the addition of a fuel-efficient, digitally precise system that will transform the element of water into an element of pure enjoyment.

Common Features of Our Electronic and Induced Draft Heaters



The digital LED control panel makes temperature programming and diagnostics fast and easy.



Hayward burners—tough, durable and easily accessible.

Electronic Features Include:

- Digital LED Control Panel for Simple and Accurate Read-outs and Settings
- Reliable Direct Spark Ignition
- Patented Non-Corrosive Polymer Headers
- High-performance Flow Control Management
- Energy-efficient FireTile Combustion Chamber
- CPVC Plumbing Connections Reduces Installation Time and Cost
- "V" Groove Finn Plate Provides Fast Heating with Virtually No Condensation
- High-quality Eugenox Burner System



MILLIVOLT HEATERS

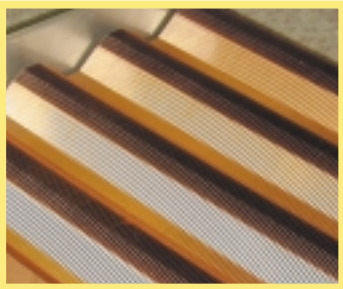
The millivolt system is the right choice for budget-oriented pool and spa applications, helping to extend your pool season and enhance your pool experience.

Millivolt Features Include:

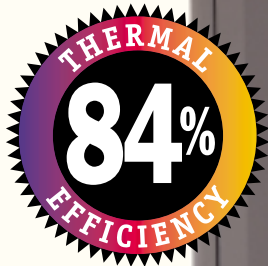
- Manual Control Panel
- Push-button Clicklite™ Ignition
- Patented Non-Corrosive Polymer Headers
- High-performance Flow Control Management
- Energy-efficient FireTile Combustion Chamber
- CPVC Plumbing Connections Reduces Installation Time and Cost
- "V" Groove Finn Plate Provides Fast Heating with Virtually No Condensation
- High-quality Eugenox Burner System

INDUCED DRAFT HEATERS

Simply stated, the induced draft system provides lavish comfort, control, and a state-of-the-art heating environment that is impervious to wind and other environmental factors. In addition, the Pre-mix burners provide an environmentally friendly system with the highest efficiency rating in the industry.



Our "V" Groove Fin Plate™ Heat Exchanger—the future of heat exchanger technology.



Induced Draft Features Include:

- Digital LED Control Panel for simple and Accurate Read-outs and Settings
- Hot Surface Ignition Eliminates the Need for Pilot Lights
- Consistent Induced Draft Blower
- Patented Non-Corrosive Polymer Headers
- High-performance Flow Control Management
- Energy-efficient FireTile Combustion Chamber
- CPVC Plumbing Connections Reduces Installation Time and Cost
- "V" Groove Fin Plate Provides Fast Heating with Virtually No Condensation
- Environmentally Friendly Pre-mix Burner System



Selecting The H-Series that is right for you.

The Hayward H-Series line of pool and spa heaters incorporate the most advanced technology to provide lavish comfort, energy-efficient operation and long lasting dependability. When you select the H-Series that meets your specific needs, you'll be turning up the heat in confidence, with the precision, comfort and control you've come to expect from the leader in pool systems.

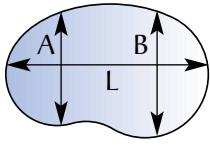


H-Series Features	MILLIVOLT	ELECTRONIC	INDUCED DRAFT	ADVANTAGE
Wind Management System	High Wind Stack	High Wind Stack	Induced Draft Blower	Consistent performance in the harshest environments
Thermal Efficiency	80-82%	80-82%	84%	More heat for less money
Control Panel	Single Thermostat	Digital Thermostat	Digital Thermostat	Simple setting of temperature and on board diagnostics
Burner System	Eugenox	Eugenox	Pre-Mix	Pre-mix burners are environmentally friendly and efficient
Ignition System	Standing Pilot	Direct Spark	Hot Surface	More reliable lighting
Heat Exchanger	Finn Plate	Finn Plate	Finn Plate	Heats quickly and consistently
Patented Polymer Headers and Stainless Steel Tube Sheets	Yes	Yes	Yes	Reliable rust-resistant water path
Flow Control Management System	Thermal Control Valve	Thermal Control Valve	Thermal Control Valve	Regulates water flow to heat efficiently and eliminates condensation
Combustion Chamber	1" FireTile®	1" FireTile®	1" FireTile®	State-of-the-art combustion chamber to maximize heat retention and stretch energy dollars
Warranty	2 Years Parts 5 Years FireTile® 10 Years Polymer Headers	2 Years Parts 5 Years FireTile® 10 Years Polymer Headers	2 Years Parts 5 Years FireTile® 10 Years Polymer Headers	Peace of Mind

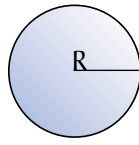
Selecting the correct size h-series heater

For Your Swimming Pool

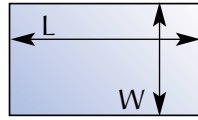
Determine your pool's surface area in square feet:



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



Area = R x R x 3.14



Area = L x W

Locate in the table below, the surface area equal to or just greater than the pools surface area, read to the left and select the appropriate H-Series model.

For indoor pool installations, divide the pool's surface area by 3.

Recommended H-Series Model

Model	Surface Area
H400	1200
H350	050
H300	900
H250	750
H250	750
H200	600
H150	450

Table is 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.

For Your Spa or Hot Tub

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

The reference table lists the time required in minutes to raise the temperature of the spa/hot tub by 30°F. Locate in the 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 H-Series model.

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, or 2.

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

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 H-Series Model

Model	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
H400	9	14	19	23	28	33	37	42	47
H350	11	16	21	27	32	37	43	48	54
H300	1	19	25	31	37	44	50	56	62
H250	15	22	30	37	45	52	60	67	75
H200	19	28	37	47	56	66	75	84	94
H150	25	37	50	62	75	87	100	112	125

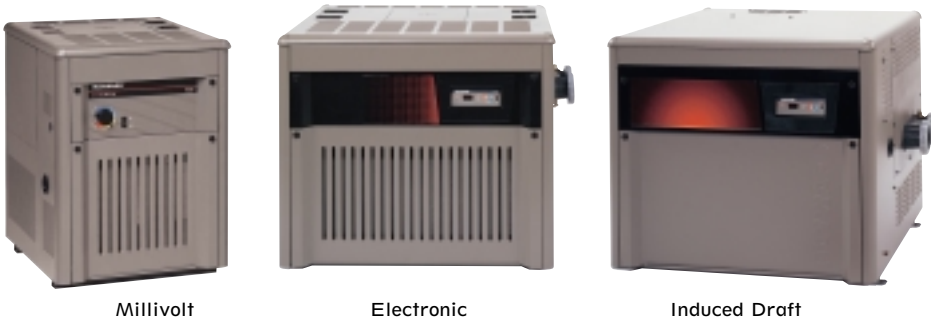
Specifications and Dimensions

Model	BTU/Hr.	Width	Depth	Height	Flue Outlet Diameter	Flue Pipe Diameter	Stack Height		Heater Weight (lbs.)	Gas Connection at Heater
							DHI	HWS		
H400*	400,000	35 1/4"	27 1/2"	28 1/2"	9"	10"	31 1/2"	19 1/2"	200 lbs.	3/4"
H350	350,000	32 1/2"	27 1/2"	28 1/2"	9"	10"	31 1/2"	17 1/2"	185 lbs.	3/4"
H300	300,000	29 3/4"	27 1/2"	28 1/2"	8"	9"	30 3/4"	17 1/4"	157 lbs.	3/4"
H250*	250,000	27"	27 1/2"	28 1/2"	7"	7"	28 1/2"	17 1/4"	144 lbs.	3/4"
H200	200,000	24 1/2"	27 1/2"	28 1/2"	7"	7"	28 1/2"	15 1/4"	141 lbs.	3/4"
H150	150,000	21 1/4"	27 1/2"	28 1/2"	6"	6"	22 1/4"	14"	131 lbs.	3/4"

H-Series Heaters are available in a comprehensive range of BTU sizes and options, including 1 1/2" and 2" water connections, millivolt and electronic temperature control, and natural or propane gas. All units are certified by the American Gas Association and carry Hayward's exclusive warranty.

*The H400 and H250 are available in induced draft, millivolt and electronic temperature control models.

The Hayward H-Series Family of High-performance Heaters



Millivolt

Electronic

Induced Draft



H-Series Heaters feature water connections that are fully compatible with pre-existing installations.

