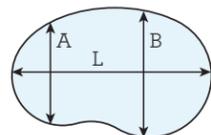


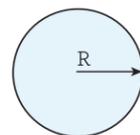
# SELECTING THE CORRECT SIZE H-SERIES HEATER:

## FOR YOUR SWIMMING POOL

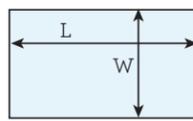
Determine your pool's surface area in square feet:



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



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



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

MODEL	SURFACE AREA
H500	1,350
H400	1,200
H350	1,050
H300	900
H250	750
H200	600
H150	450

In this table, locate the surface area that is equal to, or just greater than, the pool's surface area. To the left of this number is the appropriate Universal H-Series model that will fit the selected area.

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

*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 7.5). The reference table lists the time required in minutes to raise the temperature of the spa/hot tub by 30°F. In the table below, locate the column with the spa/hot tub size in gallons that is closest to yours. Select the desired time to raise the spa/hot tub temperature 30°F, read to the left and select the appropriate Universal 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 lost and/or 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.

MODEL	SPA/TUB SIZE IN GALLONS									
	200	300	400	500	600	700	800	900	1,000	
H500	7	11	14	18	22	25	29	32	35	
H400	9	14	18	23	27	32	36	41	45	
H350	10	16	21	26	31	36	41	46	52	
H300	12	18	24	30	36	42	48	54	60	
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	

## SPECIFICATIONS AND DIMENSIONS:

UNIVERSAL H-SERIES HEATER	H500FD	H400FD	H350FD	H300FD	H250FD	H200FD	H150FD
BTU/HR	500,000	400,000	350,000	300,000	250,000	200,000	150,000
THERMAL EFFICIENCY	83%	83%	83%	82.7%	83%	83%	82.7%
WIDTH (INCHES)	41"	36"	33"	30"	28"	25"	21"
DEPTH (INCHES)	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"	29-1/2"
HEIGHT (INCHES)	24"	24"	24"	24"	24"	24"	24"
WATER CONNECTIONS	2" x 2-1/2"						
HEAT EXCHANGER	Cupro Nickel						
INDOOR VENT PIPE DIAMETER (INCHES) NATURAL	6"	6"	8"	8"	4"	6"	6"
INDOOR VENT PIPE DIAMETER (INCHES) PROPANE	8"	8"	8"	8"	6"	6"	6"
HEATER WEIGHT (LBS)	223	160	158	145	134	123	110
GAS CONNECTION AT HEATER	1"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

H-Series heaters are available in a comprehensive range of BTU sizes for natural or propane gas. All units are certified by the Canadian Standards Association and carry the exclusive Hayward® warranty.

### MILLIVOLT HEATERS

	H210
BTU/Hr.	210,000
Width x Depth x Height (Inches)	27" x 27-1/2" x 28-1/2"
Heat Exchanger	Cupro Nickel

### MILLIVOLT HEATERS CONT.

	H210
HWS Stack Height (Inches)	17-1/4"
Water Connections	1-1/2" x 2"
Heater Weight (lbs)	144
Gas Connection at Heater	3/4"



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LITHS15



HEATING



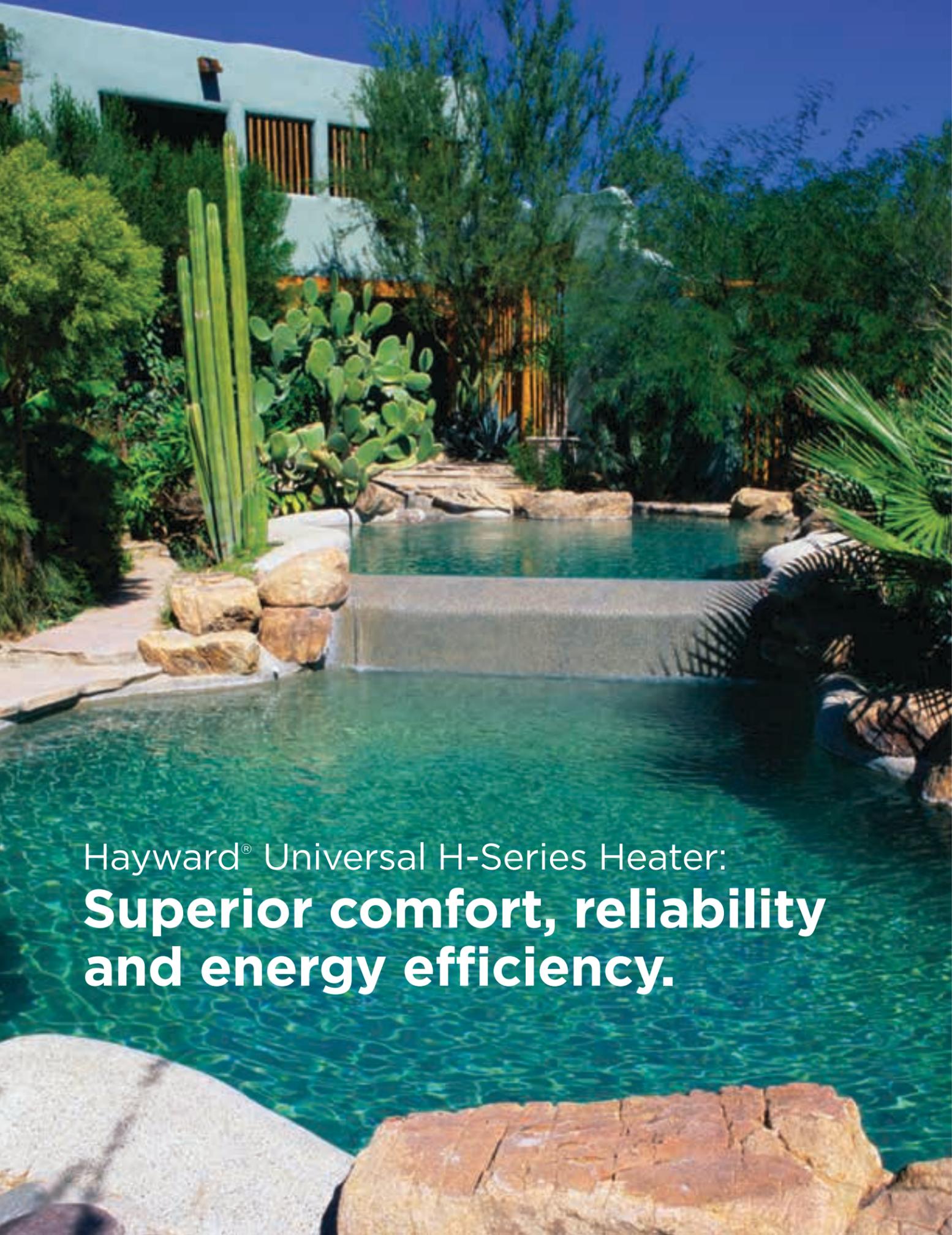
Technologically advanced for the ultimate in comfort.



# Universal H-Series

POOL AND SPA HEATERS

Total System: Pumps | Filters | Heating | Cleaners | Sanitization | Automation | Lighting | Safety | White Goods



Hayward® Universal H-Series Heater:  
**Superior comfort, reliability  
and energy efficiency.**

## EASY TO INSTALL. EVEN EASIER TO OPERATE.

The Universal H-Series' unique advantage lies in its commercial grade cupro nickel heat exchanger. This distinctive feature defends against damaging water chemistry conditions, resulting in long-lasting value and dependability at no extra cost.

Universal left- or right-side electric, gas and water connections provide Universal H-Series heaters unprecedented installation flexibility. This exceptional adaptability, coupled with a modern low-profile appearance and front panel only access required for both installation and service, ensures compatibility with all new or existing systems and equipment pad configurations.

### PERFORMANCE & VALUE



#### Standard Cupro Nickel Heat Exchanger

Industry's only standard cupro nickel hex and Totally Managed Flow provide exceptional corrosion resistance and erosion protection. Ideal for today's salt-based electronic chlorination systems.



#### Superior Hydraulic Performance

Industry-leading hydraulic performance saves energy by reducing circulation pump run time.

### FLEXIBILITY



#### Dual Voltage

Installation is simplified with voltage that easily adapts to either 110V or 220V.



#### Universal Wiring Junction Boxes

High- and low-voltage connections are easy and convenient with left- and right-side junction boxes.

### ENVIRONMENTAL



#### Low NOx Emissions

Environmentally responsible and meets air quality emission standards in all low NOx areas.



H400FD

An efficiently heated pool or spa lets you control your swim season and provides luxurious comfort that fits your lifestyle. Universal H-Series heaters from Hayward offer the most reliable, hydraulically efficient solutions for any pool or spa. Our heaters, including a brand-new 500,000 BTU model with the fastest speed-to-heat capability in its class, are designed for ultimate performance, comfort and durability. They also offer environmentally responsible low NOx emissions so that you can enjoy efficient luxury and peace of mind—season after season.