



# Universal H-Series

Pool & Spa Gas Heaters

EXCLUSIVE HIGH-PERFORMANCE CUPRO  
NICKEL HEAT EXCHANGER IN ALL MODELS



EXPERT LINE®



ONLY FROM POOL PROS



3+ YEAR PARTS & LABOR WARRANTIES\*

\*When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply — visit [hayward.com/expert](http://hayward.com/expert) for details.



# POOL PARTIES AREN'T JUST FOR SUMMER.



**Front-panel-only access** provides easy service and maintenance, avoiding the problems and costs associated with front-and-back-panel access heaters

**Universal junction boxes** on left and right sides make electrical and automation installation simple and convenient

**Intuitive control pad** with protective cover is always easy to read and operate

Universal H-Series Heater (H400FD)



# Universal H-Series heaters provide reliable, long-lasting comfort.



## DURABILITY COMES STANDARD

Built with a durable cupro nickel heat exchanger, Universal H-Series heaters offer exceptional protection against corrosion and premature failure caused by unbalanced water chemistry, ensuring you get season after season of premium heating performance.



## FAST, EFFICIENT PERFORMANCE

Universal H-Series heaters boast industry-leading hydraulic performance coupled with lightning-fast speed-to-heat capability. In fact, the powerful 500,000 BTU model is the fastest in its class, giving you less time to wait and more time in the water.



## EASY ON THE ENVIRONMENT

Designed with “totally managed” water flow, Universal H-Series heaters save energy (and money) by reducing pump run time. Their low NOx emissions meet air quality standards in all low-NOx areas, so you can rest easy knowing their environmental impact is low.



## PREMIUM QUALITY WITHOUT THE PREMIUM PRICE.

While other manufacturers make you spend hundreds of dollars to upgrade to the performance and reliability of a cupro nickel heat exchanger, Universal H-Series heaters include them at no extra charge—giving you total peace of mind without any added costs.

## TRY IT WITH

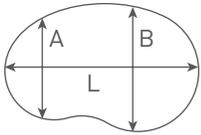


Double your comfort by pairing your Universal H-Series with **AquaRite® S3** – superior salt sanitization with built-in control of your heater via the on-unit display. AquaRite S3 produces soft silky water that’s gentle on eyes, skin and fabrics, and with a Universal H-Series heater, you’ll get to enjoy incomparable water quality year-round.

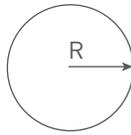
# SELECTING THE CORRECT SIZE UNIVERSAL H-SERIES HEATER

## FOR YOUR SWIMMING POOL

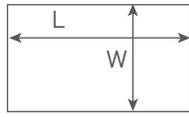
1. Determine your pool's surface area in square feet:



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



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



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

2. Select the model that corresponds with a surface area that is equal to, or just greater than, your pool's surface area. For indoor pool installations, divide the pool's surface area by 3.

MODEL*	H500	H400	H250	H200	H150
SURFACE AREA	1,500	1,200	750	600	450

## FOR YOUR SPA OR HOT TUB

- Determine your spa capacity in gallons (surface area x average depth x 7.5).
- In the table below, locate the column with the spa/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.

MODEL	SPA/TUB SIZE IN GALLONS**								
	200	300	400	500	600	700	800	900	1,000
	Time in Minutes to Raise Spa/Tub Temperature 30° F***								
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

SPECIFICATIONS AND DIMENSIONS	H500FD	H400FD	H250FD	H200FD	H150FD
BTU/hr	500,000	399,900	250,000	199,900	150,000
Thermal efficiency	83%	84%	84%	83%	82.7%
Width (inches)	40"	34"	25"	22"	19"
Depth (inches)	29½"	29½"	29½"	29½"	29½"
Height (inches)	24"	24"	24"	24"	24"
Water connections	2" x 2½"				
Heat exchanger	Cupro Nickel				
Indoor vent pipe diameter (inches) natural gas	6"	6"	4"	6"	6"
Indoor vent pipe diameter (inches) propane gas	8"	8"	6"	6"	6"
Heater weight (lbs)	223	160	134	123	110
Gas connection at heater	1"	¾"	¾"	¾"	¾"

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.

\*Model recommendation is based on a 30°F temperature rise, 3½ mph average wind velocity and elevation of up to 2,000 feet above sea level.

\*\*Heat lost and/or absorbed by spa walls or other objects will add to the time it takes the spa to heat up.

\*\*\*Based on an insulated and covered spa.

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