



Universal H-Series

»»» Pool and Spa Gas Heaters

EXCLUSIVE HIGH-PERFORMANCE CUPRO
NICKEL HEAT EXCHANGER IN ALL MODELS





POOL PARTIES AREN'T JUST FOR SUMMER.



H400FD

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 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

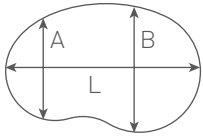


Double your comfort by pairing your Universal H-Series heater with **AquaRite® 900**—the longest-lasting version of the world’s best-selling salt chlorination system. AquaRite 900 creates luxuriously soft water without harsh chemicals, and with a Universal H-Series heater, you’ll get to enjoy incomparable water quality all year long.

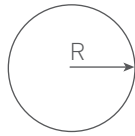
SELECTING THE CORRECT SIZE UNIVERSAL H-SERIES HEATER

FOR YOUR SWIMMING POOL

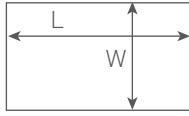
1. Determine your pool's surface area in square feet:



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



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



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

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	H350	H300	H250	H200	H150
SURFACE AREA	1,500	1,200	1,050	900	750	600	450

FOR YOUR SPA OR HOT TUB

1. Determine your spa capacity in gallons (surface area x average depth x 7.5).
2. In the table below, locate the column with the spa/tub size in gallons that is closest to yours.
3. 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	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	H500FD	H400FD	H350FD	H300FD	H250FD	H200FD	H150FD
BTU/hr	500,000	399,900	350,000	300,000	250,000	199,900	150,000
Thermal efficiency	83%	84%	83%	82.7%	84%	83%	82.7%
Width (inches)	41"	36"	33"	30"	28"	25"	21"
Depth (inches)	29½"	29½"	29½"	29½"	29½"	29½"	29½"
Height (inches)	24"	24"	24"	24"	24"	24"	24"
Water connections	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"
Heat exchanger	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel
Indoor vent pipe diameter (inches) natural gas	6"	6"	8"	8"	4"	6"	6"
Indoor vent pipe diameter (inches) propane gas	8"	8"	8"	8"	6"	6"	6"
Heater weight (lbs)	223	160	158	145	134	123	110
Gas connection at heater	1"	¾"	¾"	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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**PREMIUM COMFORT
WITHOUT THE
PREMIUM COST.**



**CUPRO NICKEL IS THE STANDARD ON ALL
HAYWARD® GAS POOL HEATERS.**

Hayward includes a cupro nickel heat exchanger as standard in all of our gas heaters (rather than charging you extra to upgrade). It's the best way to deliver the peace of mind your customers want, without the added costs.

DISCOVER A HIGHER STANDARD OF HEATING.



LOWER COST OF OWNERSHIP

Cupro nickel heat exchangers last longer than standard copper—and because they come free in all Hayward® gas heaters, your customers get the best value from day one.



LONG-LASTING DURABILITY

Superior corrosion resistance protects the heat exchanger from damage and premature failure caused by unbalanced water chemistry.



INDUSTRY-BEST HYDRAULIC PERFORMANCE

Designed with “totally managed” water flow and patented bypass, cupro nickel marries energy-saving efficiency with superior reliability.



WHY CUPRO NICKEL?

Cupro nickel is a copper-nickel alloy that resists erosion and corrosion caused by occasionally aggressive poor water chemistry. A Hayward cupro nickel heat exchanger is the key component for reliable, long-lasting performance and value.

» To learn more about Universal H-Series gas heaters, visit hayward.com.