UNIVERSAL H-SERIES™
POOL AND SPA HEATERS

Right for so many reasons.
Perfect for so many applications.

Hayward is always looking for ways to make pool and spa ownership as simple and effortless as possible. The latest example of this is the new Universal H-Series pool and spa heater. Combining advanced technology with universal-fit flexibility, it’s a smart choice for virtually any new installation or existing system upgrade — delivering state-of-the-industry performance, outstanding energy efficiency, extremely low NOx emission levels and Hayward’s legendary durability and reliability. Offered in 150,000, 200,000, 250,000, 300,000, 350,000 and 400,000 BTU/hr. inputs.

Easy installation, simple operation.
A choice of left-side or right-side electric, gas and water connections gives Universal H-Series heaters unprecedented installation flexibility. This enhanced adaptability — coupled with lightweight design, modern low-profile appearance and only front-panel access required for installation and service — ensures compatibility with virtually all new or existing systems and equipment pad conditions.

H-Series Millivolt Heaters
Although designed for budget-conscious applications, Hayward H-Series Millivolt heaters deliver uncompromising performance and economy. A standing pilot ignition system ensures reliable lighting, and — like all H-Series heaters — they feature a Finn Plate heat exchanger and Fire Tile combustion chamber. Available in your choice of propane or natural gas models, with input capacity from 150,000 to 250,000 BTU.
Exclusive to Universal H-Series Heater

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

Cupro Nickel Heat Exchanger
Totally Managed Flow provides exceptional corrosion resistance and erosion protection. Ideal for today’s salt-based electronic chlorination systems.

State-of-the-Art Finn Plate™ Heat Exchanger
State-of-the-industry Finn Plate™ heat exchanger with special V-groove design for faster heating and longer life.

Insulated Fire Tile® Combustion Chamber
Unlike older forms of insulation, Fire Tile securely traps the heat, delivering the most performance from each BTU.

Hot-Surface Silicon Nitride Ignition System
Exclusive silicon nitride ignition system for dependable lighting and reliable operation.

Dual Voltage
Installation is simplified with voltage that 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.

Digital LED Control Panel
Electronic control/display maintains water temperature; monitors heater performance with self-diagnostic capability.

Low NOx Emissions
Environmentally responsible; complies with all current California and Texas air quality emission standards.
Selecting the correct size H-Series heater:

For Your Spa or Hot Tub

Determine your spa capacity in gallons (surface area x average depth x 7½).
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/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 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.

For Your Swimming Pool

Determine your pool's surface area in square feet:

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 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, 3½ mph average wind velocity and elevation of up to 2,000 feet
above sea level.

---

**Specifications and Dimensions**

**Universal H-Series Heater**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SURFACE AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>H400</td>
<td>1,200</td>
</tr>
<tr>
<td>H350</td>
<td>1,050</td>
</tr>
<tr>
<td>H300</td>
<td>900</td>
</tr>
<tr>
<td>H250</td>
<td>750</td>
</tr>
<tr>
<td>H200</td>
<td>600</td>
</tr>
<tr>
<td>H150</td>
<td>450</td>
</tr>
</tbody>
</table>

**SPA/TUB SIZE IN GALLONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>600</th>
<th>700</th>
<th>800</th>
<th>900</th>
<th>1,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>H400</td>
<td>9</td>
<td>12</td>
<td>15</td>
<td>18</td>
<td>21</td>
<td>24</td>
<td>27</td>
<td>30</td>
<td>33</td>
</tr>
<tr>
<td>H350</td>
<td>11</td>
<td>16</td>
<td>21</td>
<td>26</td>
<td>32</td>
<td>37</td>
<td>43</td>
<td>48</td>
<td>54</td>
</tr>
<tr>
<td>H300</td>
<td>12</td>
<td>19</td>
<td>25</td>
<td>31</td>
<td>37</td>
<td>44</td>
<td>50</td>
<td>56</td>
<td>62</td>
</tr>
<tr>
<td>H250</td>
<td>15</td>
<td>22</td>
<td>30</td>
<td>37</td>
<td>45</td>
<td>52</td>
<td>60</td>
<td>67</td>
<td>75</td>
</tr>
<tr>
<td>H200</td>
<td>19</td>
<td>28</td>
<td>37</td>
<td>47</td>
<td>56</td>
<td>66</td>
<td>75</td>
<td>84</td>
<td>94</td>
</tr>
<tr>
<td>H150</td>
<td>25</td>
<td>37</td>
<td>50</td>
<td>62</td>
<td>75</td>
<td>87</td>
<td>100</td>
<td>112</td>
<td>125</td>
</tr>
</tbody>
</table>

**Universal H-Series Heater**

<table>
<thead>
<tr>
<th>BTU/Hr.</th>
<th>Width (Inches)</th>
<th>Depth (Inches)</th>
<th>Height (Inches)</th>
<th>Water Connections</th>
<th>Heat Exchanger</th>
<th>Indoor Vent Pipe Diameter (Inches)</th>
<th>Heater Weight (lbs.)</th>
<th>Gas Connection at Heater</th>
</tr>
</thead>
<tbody>
<tr>
<td>400,000</td>
<td>36” x 2½”</td>
<td>29½” x 2½”</td>
<td>24”</td>
<td>2” x 2½”</td>
<td>Cupro Nickel</td>
<td>8”</td>
<td>160</td>
<td>¾”</td>
</tr>
<tr>
<td>350,000</td>
<td>33” x 2¼”</td>
<td>29½” x 2¼”</td>
<td>24”</td>
<td>2” x 2¼”</td>
<td>Cupro Nickel</td>
<td>8”</td>
<td>158</td>
<td>¾”</td>
</tr>
<tr>
<td>300,000</td>
<td>30” x 2”</td>
<td>29½” x 2”</td>
<td>24”</td>
<td>2” x 2”</td>
<td>Cupro Nickel</td>
<td>8”</td>
<td>145</td>
<td>¾”</td>
</tr>
<tr>
<td>250,000</td>
<td>27½” x 1½”</td>
<td>29½” x 1½”</td>
<td>24”</td>
<td>2” x 1½”</td>
<td>Cupro Nickel</td>
<td>8”</td>
<td>134</td>
<td>¾”</td>
</tr>
<tr>
<td>200,000</td>
<td>25” x 1”</td>
<td>29½” x 1”</td>
<td>24”</td>
<td>2” x 1”</td>
<td>Cupro Nickel</td>
<td>8”</td>
<td>123</td>
<td>¾”</td>
</tr>
<tr>
<td>150,000</td>
<td>21” x ¾”</td>
<td>29½” x ¾”</td>
<td>24”</td>
<td>2” x ¾”</td>
<td>Cupro Nickel</td>
<td>8”</td>
<td>110</td>
<td>¾”</td>
</tr>
</tbody>
</table>

**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 Hayward’s exclusive warranty.**

**Efficiency. Performance. Innovation.**

For pure comfort in ideal water
temperatures, count on the control
and efficiency of H-Series heaters –
the perfect high-quality addition to
your Totally Hayward® System.

---

Hayward, One Source. Every Pool. Totally Hayward and Fire Tile are registered trademarks and Fin Plate is a trademark of Hayward Industries, Inc.©2008 Hayward Industries, Inc.