SCREW PLUG IMMERSION HEATERS

EMH Series

✓ ½, ¾, and 1¾ NPT Screw Plugs
✓ 316 SS Sheath
✓ 400 to 1000 W
✓ 120 and 240V, 1-Phase
✓ Single Thread Pipe Construction

SPECIFICATIONS

Power: 120 and 240V, 1-phase
Watt Density:
  ¾” Diameter: 37 W/in²
  ¾” Diameter: 38 W/in²
  1¾” Diameter: 24 W/in²
Termination:
  15/8, ¾” Diameter: 12” fiberglass leads
  rated to 250°C (482°F), epoxy potting
  rated to 130°C (266°F)
  1¾” Diameter: 8-32 screw and nut terminals
Sheath: 316 SS
Screw Plug and Threads: 316 SS

TOLERANCES

Wattage tolerances are held to
5 to 10% at rated voltage.
Length tolerances are ±2% with a
±1/8” minimum

CONSTRUCTION

1. Welded end
2. Mica
3. Magnesium oxide packing
4. Element wire situated close to
   outside surface for maximum heat
   transfer and minimum internal
   temperature while preserving good
dielectric qualities
5. Series 316 SS sheath
6. Mounting bushing
7. Ceramic cap
8. Flexible, stranded, nickel-alloy
   insulated leads or rust-resistant
   post terminals

Refer to Dimensions Chart

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Watts*</th>
<th>Dimensions (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMH-060-120V</td>
<td>¾” diameter, ½ NPT</td>
<td>400</td>
<td>A 6 C ¾ D ¾ AF</td>
</tr>
<tr>
<td>EMH-060-240V</td>
<td>¾” diameter, ½ NPT</td>
<td>400</td>
<td>A 6 C ¾ D ¾ AF</td>
</tr>
<tr>
<td>EMH-061-120V</td>
<td>¾” diameter, ¾ NPT</td>
<td>500</td>
<td>A 6 C ½ D ½ AF</td>
</tr>
<tr>
<td>EMH-061-240V</td>
<td>¾” diameter, ¾ NPT</td>
<td>500</td>
<td>A 6 C ½ D ½ AF</td>
</tr>
<tr>
<td>EMH-110-120V</td>
<td>1¼” diameter, 1½ NPT</td>
<td>1000</td>
<td>A 11 D 1½ AF</td>
</tr>
<tr>
<td>EMH-110-240V</td>
<td>1¼” diameter, 1½ NPT</td>
<td>1000</td>
<td>A 11 D 1½ AF</td>
</tr>
</tbody>
</table>

* Wattages are based on a unit operating immersed in water. Comes complete with operator’s manual.

Ordering Examples: EMH-060-120V, ¾” dia, ½ NPT.
EMH-110-240V, 1¼” dia, 1¼ NPT screw plug immersion heater.