OMEGA® flow through heaters are designed primarily for providing heat that regulates liquid temperature from 32 to 88ºC (90 to 190°F). The heaters have a titanium element that resists corrosion. The flow through tube is 381 mm (15") long and has 1 NPT female pipe connections and is available in 304 SS. The safety high limit trip point for the heater is 99ºC (210°F). The 201 x 145 x 89 mm (7.9 x 5.7 x 3.5") enclosure is made of ABS plastic and is water resistant.

**CAUTION AND WARNING!**
- Not for use as a spa or hot tub heater
- Read all instructions before installation and operation
- Heater will fail if energized without proper fluid flow—15 GPM min
- Pump must be running and fluid flowing before turning on power to the heater
- Heater must be powered down for one to five minutes before turning off the pump and stopping fluid flow
- Bleed the system of any air before applying power to the heater
- Heaters failures due to insufficient flow or due to dry firing, the heater is not covered under warranty
- Heater should always be mounted so that the water outlet is elevated a minimum of 3" above the water inlet (see figure A)
- When using piping smaller than 1½", the heater is to be mounted in a vertical orientation. Fluid flow is to enter at the bottom and exit out the top (see figure B)
- Minimum connecting pipe diameter is ¾"
- Piping connections are to meet all local plumbing codes
- Electrical connections must be performed in accordance with articles 250 and 680 of the National Electric Code and by a qualified electrician

**To Order**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Phase</th>
<th>AMP Draw</th>
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<tr>
<td>FTH-1500-120</td>
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<td>120</td>
<td>1 Ø</td>
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<td>FTH-2000-240</td>
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</tbody>
</table>

Comes complete with operator’s manual.

*Ordering Examples: FTH-1500-120, flow through heater, 1.5 kW.
FTH-2000-240, flow through heater, 2 kW.*
Dimensions: mm (inches)

120V Unit Wiring Diagrams

Plug into standard 120V outlet

1½ NPT Thread

145 (5.7)

89 (3.5)

381 (15)

201 (7.9)

58 (2.3)

Dimensions: mm (inches)

240V Unit Wiring Diagrams

Green wire = Ground

White Wire = L1

Black Wire = L2

1½ NPT Thread

145 (5.7)

89 (3.5)

381 (15)

58 (2.3)

Dimensions: mm (inches)