Self-Regulating Immersion Heaters

With Stainless Steel or PFA-Covered Stainless Steel Sheaths

VP and VPT Series

✓ Self-Regulating, Fully Grounded
✓ Stainless Steel–or PFA-Covered Stainless Steel Sheaths
✓ Solid State Heating Element, Temperatures Up to 100°C (212°F)
✓ Auto-Stabilized Temperature Ensures Uniform Heating
✓ Lightweight, Easy to Handle, Rapid Heating

The OMEGA® VP and VPT Series self-regulating, fully grounded immersion heaters are ideal for insertion into small tanks, vessels, and appliances as well as into compressors, oils, fluids, and plating cells. Available in stainless steel or a PFA sheath for corrosive environments, both models are shatterproof; are grounded with a 3-wire, 1.2 m (4’) long power cord; and have a solid state heating element. Best suited for applications in which heating, excess temperature-protection controls, and regulating components must be fitted in a small space, these heaters are lightweight, easy-to-handle, rapid-heating [maximum surface temperature is 100°C (212°F) units designed not to overheat. Auto-stabilized temperature prevents hot spots, thereby ensuring uniform heating. Accessories include a ½ NPT PVDF screw plug adapter that holds the heater securely in place, and a polypropylene mounting flange that permits vertical suspension of the heater into small vessels.
**SPECIFICATIONS**

Wattage:
- VP-107, VPT-107: 100
- VP-311, VPT-311: 300

Voltage:
- 120 or 240 Vac

Power Leads:
- VP-107, VPT-107: 1.2 m (4’) power cord with 3-prong plug (no plug on 240V models);
- VP-311, VPT-311: 0.9 m (3’) flexible conduit and fitting with 3-conductor leads

Sheath Length:
- VP-107, VPT-107: 179 mm (7’’)
- VP-311, VPT-311: 279 mm (11’’)

Heated Length:
- VP-107, VPT-107: last 76 mm (3’’)
- VP-311, VPT-311: last 152 mm (6’’)

Diameter:
- VP Series: 11 mm (1/4’’)
- VPT Series: 13 mm (1/2’’)

Shipping Weight:
- Approx. 453 g (1 lb)

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**To Order**

<table>
<thead>
<tr>
<th>Single-Element Heater</th>
<th>Description</th>
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<tbody>
<tr>
<td>VP-107/*</td>
<td>100 W stainless steel sheath immersion heater</td>
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<tr>
<td>VP-107-ADAP</td>
<td>½ NPT PVDF screw plug adaptor for VP-107/* immersion heater</td>
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<tr>
<td>VPT-107/*</td>
<td>100 W stainless steel sheath immersion heater with PFA covering</td>
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<tr>
<td>VPT-107-ADAP</td>
<td>½ NPT PVDF screw plug adaptor for VPT-107/* immersion heater</td>
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<tr>
<td>VPT-107-FLGE</td>
<td>Polypropylene mounting flange (used with VP-107-ADAP or VPT-107-ADAP)</td>
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<thead>
<tr>
<th>Dual-Element Over-the-Side Small Tank Heater</th>
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<tbody>
<tr>
<td>VP-311/*</td>
<td>300 W stainless steel sheath immersion heater</td>
</tr>
<tr>
<td>VPT-311/*</td>
<td>300 W stainless steel sheath immersion heater with PFA covering</td>
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</tbody>
</table>

* Designate voltage (i.e., insert “120V” for 120 Vac or “240V” for 240 Vac).

**Ordering Example:** VPT-107/120V, 120 Vac, 100 W, PFA-covered immersion heater.
VP-311/240VAC, 300 W stainless steel sheath immersion heater.