Typical Applications
For plating tanks, rinse tanks and other non-sludging aqueous solutions. Check compatibility guide on pages 11-88 and 11-89 and with chemical supplier for proper sheath material selection.

Design Features
* 35 watts/in² (5.5 watts/cm²) for long service life
* Bottom mount design for even heating and varying solution levels
* Standard 2" sludge legs (longer available)
* Heavy duty, long lasting construction
* T1 thermal fuse protection standard; T2 bi-metal switch optional
* Grounded for safety
* UL listed except Plain Steel; for US and Canada
* Vapor-tight polypropylene terminal enclosure
* Standard 3-ft. flexible PVC liquid-tight conduit
* Three-phase standard; single-phase available as option
* 240, 480 volts standard as listed — other voltages available
* Longer and shorter vertical lengths available; consult Tempco

### Ordering Code: T M M 4

- **Type:** TMM4
- **Material:**
  - A – Steel
  - B – 304 SS
  - C – 316 SS
  - T – Titanium
- **Vertical Length (in.)**
- **Hot Zone (in.)** Horizontal
- **Watts ÷ 100**
- **Phase:** 1 or 3
- **Voltage:**
  - 1 – 120
  - 2 – 240
  - 4 – 480

### Thermal Over-Temperature Protection
- **Thermal Fuse**
  - 1L – Solutions up to 180°F
  - 1M – Solutions from 180°F to 220°F
  - 1H – Solutions from 220°F to 300°F
- **Bi-Metal Switch**
  - 2L – Solutions up to 180°F
  - 2M – Solutions from 180°F to 220°F
  - 2H – Solutions from 220°F to 300°F

### Conduit Length (in.)
36" standard

### Standard Watts vs. Length

<table>
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<tr>
<th>Watts</th>
<th>H. Length</th>
<th>V. Length</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
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<td>13</td>
<td>330</td>
</tr>
<tr>
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**Standard lead time is 2 to 3 weeks.**

**Ordering Information**
TMM4 heaters are offered with the options listed in this worksheet. Create an ordering code by filling in the blanks with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

⚠️ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.