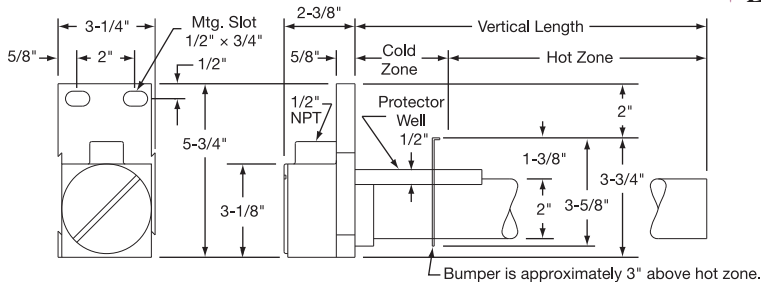
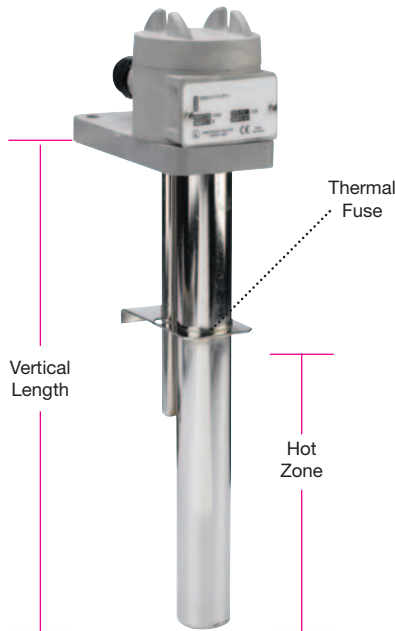


Tank Immersion Heaters

Metal Single-Tube Style Heater



Typical Applications

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

Design Features

- * 18 and 35 watts/in² (2.8 and 5.5 watts/cm²) for long service life
- * 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 with universal mounting bracket
- * Standard 3-ft. flexible PVC liquid-tight conduit
- * Single-Phase standard; three-phase available as an option
- * 120, 240, 480 volts standard as listed — other voltages available
- * Longer lengths available; consult Tempco

Standard Watts vs. Length and Hot Zone

| Watts | | Hot Zone | | Length | |
|-------|------|----------|------|--------|------|
| High | Low | in | mm | in | mm |
| 1000 | 500 | 6 | 152 | 11 | 254 |
| 2000 | 1000 | 10 | 254 | 17 | 432 |
| 3000 | 1500 | 16 | 406 | 23 | 584 |
| 4000 | 2000 | 20 | 508 | 29 | 737 |
| 5000 | 2500 | 25 | 635 | 35 | 889 |
| 6000 | 3000 | 30 | 762 | 40 | 1016 |
| 8000 | 4000 | 37 | 940 | 47 | 1194 |
| 9000 | 4500 | 44 | 1118 | 54 | 1372 |
| 10000 | 5000 | 49 | 1245 | 59 | 1499 |
| 12000 | 6000 | 58 | 1473 | 68 | 1727 |

Standard lead time is 2 to 3 weeks.

Ordering Code: T M M 1

Type: TMM1

Length (in.)

Hot Zone (in.)

Watts ÷ 100

Phase: 1 or 3

Material
A – Steel
B – 304 SS
C – 316 SS
T – Titanium

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

Ordering Information

TMM1 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.