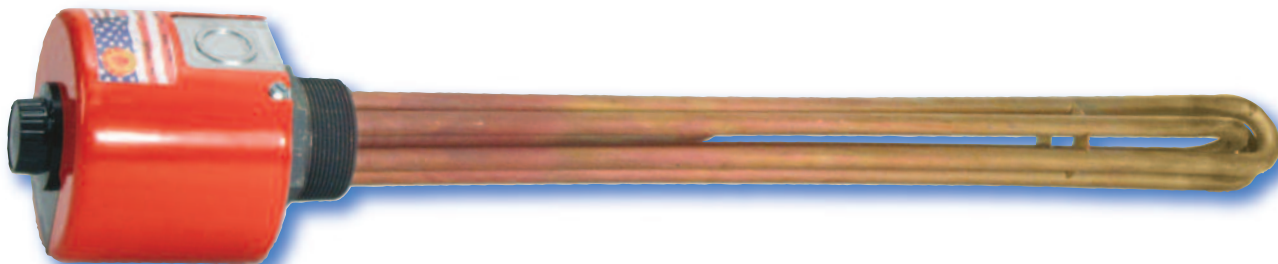


Screw Plug Immersion Heaters

Screw Plug Immersion Heaters consist of tubular elements welded or brazed into a threaded screw plug which can then be inserted into a threaded opening in a tank wall or through a mating full or half coupling.

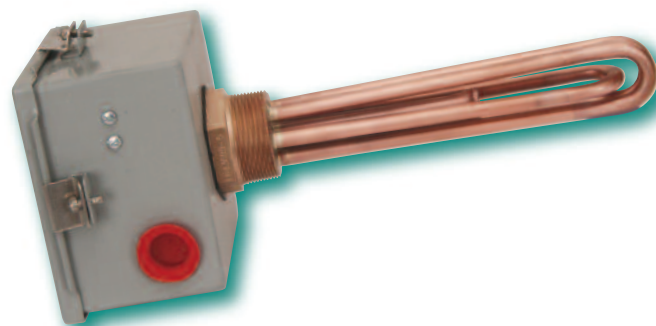
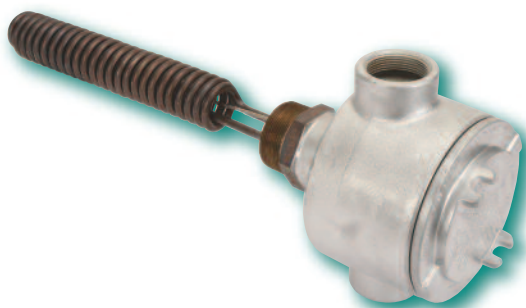


Design Features

- * *Stainless Steel, Brass or Steel Screw Plugs*
- * *Four Standard Screw Plug Sizes—1", 1-1/4", 2", 2-1/2"*
- * *Recompact element bends restore insulation resistance after forming*
- * *Thermowell for optional bulb & capillary thermostat, RTD or T/C probe*
- * *Corrosion-Resistant electrical wiring hardware*
- * *Four standard sheath materials — Copper, Steel, 316 Stainless Steel and Incoloy®800*
- * *NEMA 1 round terminal housing*
- * *Silicone resin element seal standard*

Optional Features

- * *NEMA 4 Moisture-Proof and/or NEMA 7 Explosion-Resistant terminal housings*
- * *Integral Single or Double Pole Thermostats in various temperature ranges to suit the application*
- * *Passivation, Electropolishing or Bright Annealing surface treatments available for Stainless Steel & Incoloy® elements*
- * *Type J & K Thermocouples or RTD probes for sensing process temperatures, or over-temperature protection when attached to the sheath*
- * *Special sheath materials*
- * *Special straight bulkhead or European thread fittings*



For Type TSP Screw Plug Heaters used in UL Recognized Oil Immersion Heating Applications

- The heated oil temperature cannot exceed 257°F (125°C)
- Steel sheath elements are limited to 60 watts/in²
- Steel or Stainless Steel mounting plugs (no Brass)
- Heaters with tapered threads (NPT, BSPT, or Metric) are UL rated for 60 psig maximum

Contact Tempco for other application specific UL file information.



Tempco Screw Plug Immersion Heaters are UL recognized and CSA certified in many design variations. The UL File Numbers are E90771 (CCN ÜBJY2/8) for heaters not containing a thermostat and E234452 (CCN KSXF2) for heaters used in water based solutions that include a thermostat. Tempco's equivalent CSA file number is 043099. Screw Plug heating elements and assemblies with thermostats have additionally been evaluated to UL574 (File Number MP4154) under CCN MDST2/8 for oil heating applications.

If you require UL, CSA, or other NRTL agency approvals, please specify when ordering.

View Product Inventory @ www.tempco.com