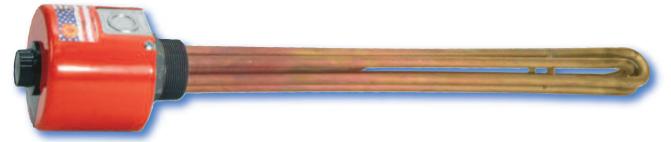
Screw Plug Immersion Heaters

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"
- * Recompacted 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

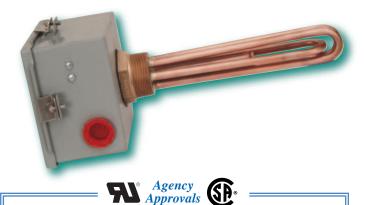
For Type TSP Screw Plug Heaters used in UL Recognized Oil Immersion Heating Applications

- 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.

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



Tempco Screw Plug Immersion Heaters are UL recognized and CSA certified in many design variations. The UL File Numbers are E90771 (CCN UBJY2/8) 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