

# Screw Plug Heaters



Tubular heater elements are brazed or welded in a brass, steel or stainless steel **screw plug**. Ratings from 350 watts to 38kw and numerous variations and options are available. Pipe plug immersion heaters are generally used in small to medium size containers at pressures up to 3000 psi and are screwed directly through a threaded opening in the tank wall.

- 1", 1.25", 2" and 2.5" NPT pipe plug in brass, steel or stainless steel
- .315" diameter tubular element(s) on 1" and 1.25"; .430" diameter elements on 2" and 2.5" or .275" x 1"
- Copper, steel, stainless steel, or Incoloy sheath material. Sheath material is Incoloy
- High, medium and low watt densities for various processes
- General purpose or explosion and moisture resistant terminal enclosures
- Tubular element ends are repressed after forming to extend element life
- Element supports on larger size units maintain element spacing
- Single and double pole thermostats in several temperature ranges
- Many items are available from stock

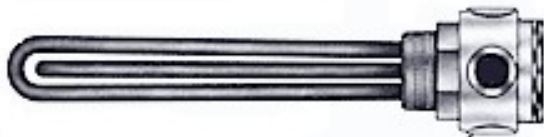
## APPLICATIONS

**COPPER SHEATH:** Clean water, freeze protection, hot water storage, boiler and water heaters, cooling towers, heating of solutions not corrosive to copper.

**STAINLESS STEEL SHEATH:** Process water, soap and detergent solutions, soluble cutting oils, demineralized or deionized water (passivation recommended).

**INCOLOY SHEATH:** Solution water, corrosive solutions, steam super heating, air or gas.

**STEEL SHEATH:** Asphalt, wax, paraffin, tar, fluid heat transfer medium, petroleum, degreasing and solvent oils, machine oil, fuel oils, alcohol.



**NEMA 4/7**– Moisture and explosion resistant terminal enclosure.



**NEMA 1**– General purpose terminal enclosure.

## ORDERING INFORMATION

- Pipe Plug Size
- Pipe Plug Material
- Number of Heating Elements
- Integral Thermostat
- Over Temperature Cut Out
- Terminal Enclosure
- Rating
- Heating Element Immersion Length
- Heating Element Sheath Length
- Terminal Seals
- Heating Element Watt Density
- Agency Approvals
- Other Special Features
- Operating Conditions
- Application
- Heated Medium
- Operating Temperature
- Operating Pressure
- Installation Environment
- Ambient Temperature

