

**Screw-Plug Immersion Heaters +  
Flanged Immersion Heaters****Description**

Heating elements for direct heating of:

- liquids
- viscous substances
- gases

**Features**

U-bend tubular heaters that are directly immersed in the substance to be heated. Heating elements are joined to a screw plug or blind flange thus forming a self-contained heating unit that can be furnished with enclosure and control device if desired.

**Design Characteristics**

- Screw plug made of brass, St 37.2 or stainless steel
- Thread G 1¼", G 1½", G 2" G 3"
- 2 - 6 tubes depending on thread of screw plug
- Blind flanges IAW DIN 2527 form B, sizes B50, B65, B80, B100, B170, B175, B200, B250 material St37.2, stainless steel on request
- Number of tubular elements according to application
- Without enclosure, IP 00
- With enclosure, Ø80 x 97, IP 40 capillary thermocouple possible, temperature ranges 0-85°C and 90-300°C
- With enclosure, Ø80 x 97, IP 54, without temperature control
- Operating voltage 230V, 230/400V
- Special voltages up to 500V
- Installation with gasket in threaded bore or with companion nut, for flat flange with matching companion flange
- Note that immersion heaters should not be operated under dry conditions

**Applications**

- Boilers
- Heating of vessels, containers and tanks
- Oil tubs, oil sump of engines
- Hydraulic equipment
- Deep fat fryers, fat containers
- Washing machines
- Steam generators
- Laboratory equipment, medical apparatus
- Instantaneous water heaters