

# 'FP' Flameproof Immersion Heaters

**TYPICAL APPLICATIONS:**

Pre-heating oil/water, Processing equipment, Cleaning/rinsing tanks, Heating medium, Frost protection, Tank heating, Boiler equipment, Safety Showers, Compressors and Turbines

**FEATURES:**

- Choice of built in process temperature sensors
- Suitable for ambient temperatures to -50°C to +60°C
- Mounting of the heater can be by a threaded boss or an industry standard flange
- Designed for horizontal installation (vertical mounting version available on request)
- Can be supplied with the terminal box mounted away from the fixing boss/flange for high process temperatures

**Rating  
Voltage**

To suit process requirements  
Any electrical supply up to 690V

**Certification**

ATEX certified EX II 2 G/D  
IECEX & ATEX certified Ex'd' IIC T1 to T6 Ex tD A21 IP66 T450 to 85°C  
CSA certified Class I, Div 1, Gas Groups A, B, C & D  
EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 61241-0 & EN/IEC 61241-1  
KGS & CCOE

**Enclosure**

Mild Steel or 316L Stainless Steel, external and internal earths, screwed terminal cover

**Elements**

Rod-type elements in either Incoloy 800, 825 or 316L Stainless steel  
Removable ceramic core housed in plain or extended surface tubes