

## 'RFA' Flameproof Immersion Heaters

The EXHEAT 'RFA' range of flameproof rod-type immersion heaters is suitable for installation in process tanks, safety showers, engine sumps, pressure vessels and similar plant, located in Zone 1 and Zone 2 Hazardous Areas where the flammable atmosphere is a Group IIA, IIB or IIC Gas. They are suitable for heating all process liquids or gases which are non-corrosive to the materials of construction.

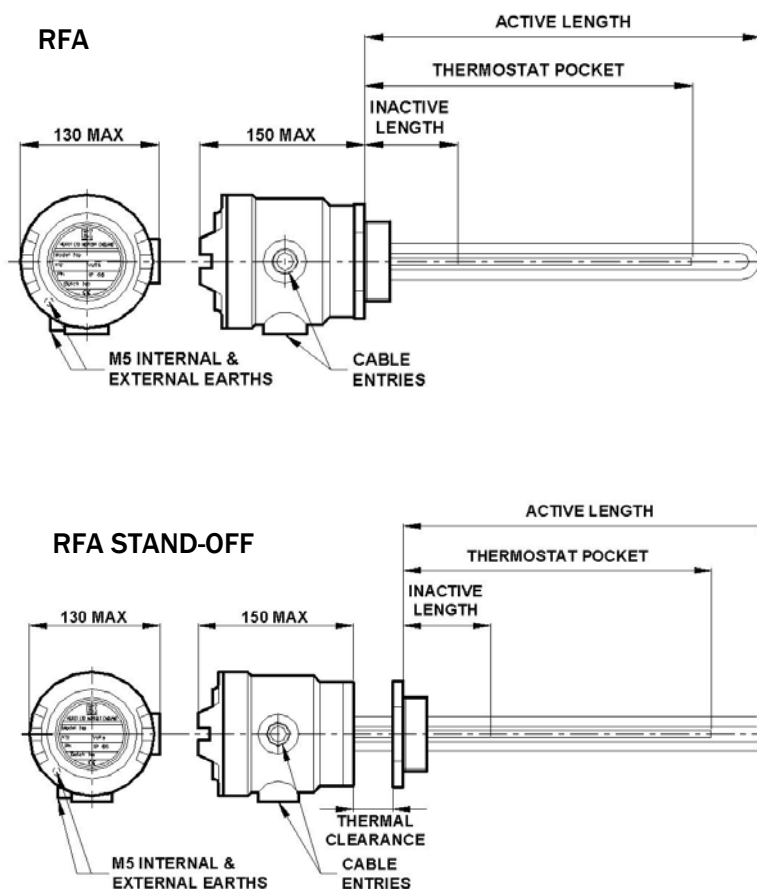


### FEATURES

- Certified to meet the Atex Directive 94/9/EC.
- Lightweight cast aluminium alloy terminal enclosure with weatherproof protection to IP67.
- Choice of built-in process temperature sensors.
- Suitable for ambient temperatures down to -40°C.
- Mounting of the heater can be by a threaded boss or an industry standard flange.
- Designed for horizontal installation only. Vertical mounting available on request.

### TYPICAL APPLICATIONS

- Pre-Heating Oil/Water
- Processing Equipment
- Cleaning & Rinsing Tanks
- Heat Transfer Systems
- Boiler Equipment
- Frost Protection



Certification  
Enclosure

ATEX Certified  $\text{Ex}$  II 2 G Ex'd' IIC T3 to T6 to EN60079-0 and EN60079-1.  
Cast Aluminium alloy with a maximum of two cable entries, external and internal earths and screwed terminal cover. Certified EEx'd' IIC T4-T6 with the option of T3-T6 where the terminal enclosure is stood away from the Processing Equipment.

Elements

A maximum of three rod type elements comprising 80/20 Nickel Chrome resistance wire, compacted in high purity Magnesium Oxide insulating powder and encased in either Copper, Mild Steel, Monel, Inconel, Incoloy, Stainless Steel or Titanium Sheath, secured by either brazing or welding depending upon the process application.

Controls

Heater over temperature protection is fitted as standard.

Mounting

Any threaded boss or flange in any material can be specified within the limits of the design parameters. Heaters can be either 'direct-on' or 'stand-off' as required by the 'T' Classification.

Rating

Maximum loading - 18kW. (Depending on amps and watts density)

Voltage

Any electrical supply up to 690 v.