

## 'RFA-C' Flameproof Core Immersion Heaters

Hazardous Area Process Heat &amp; Control Solutions

The RFA-C range of flameproof core removable cartridge heaters offers a Hazardous Area heating solution for oil and similar applications where low heat density is required. The element can be withdrawn for inspection without system drain down. The standard heater consists of a single element core fitted into a mounting flange. A robust flameproof terminal enclosure protects the electrical connections. The watts density of the element core fitted depends upon the media to be heated and the kilowatt rating required.



### FEATURES

Certified  $\text{Ex II 2 G}$  to meet the ATEX Directive 94/9/EC.

Lightweight cast aluminium alloy terminal enclosure with weatherproof protection to IP66 and IP67

Choice of built in process temperature sensors

Suitable for ambient temperatures from  $-40^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$

Mounting of the heater can be by threaded boss or an industry standard flange

Designed for horizontal installation only. Vertical mounting version available on request

Can be supplied with the terminal box mounted away from the fixing boss/flange for high process temperatures

### TYPICAL APPLICATIONS

Pre-heating oil & water

Processing Equipment

Cleaning and Rinsing Tanks

Heat Transfer Systems

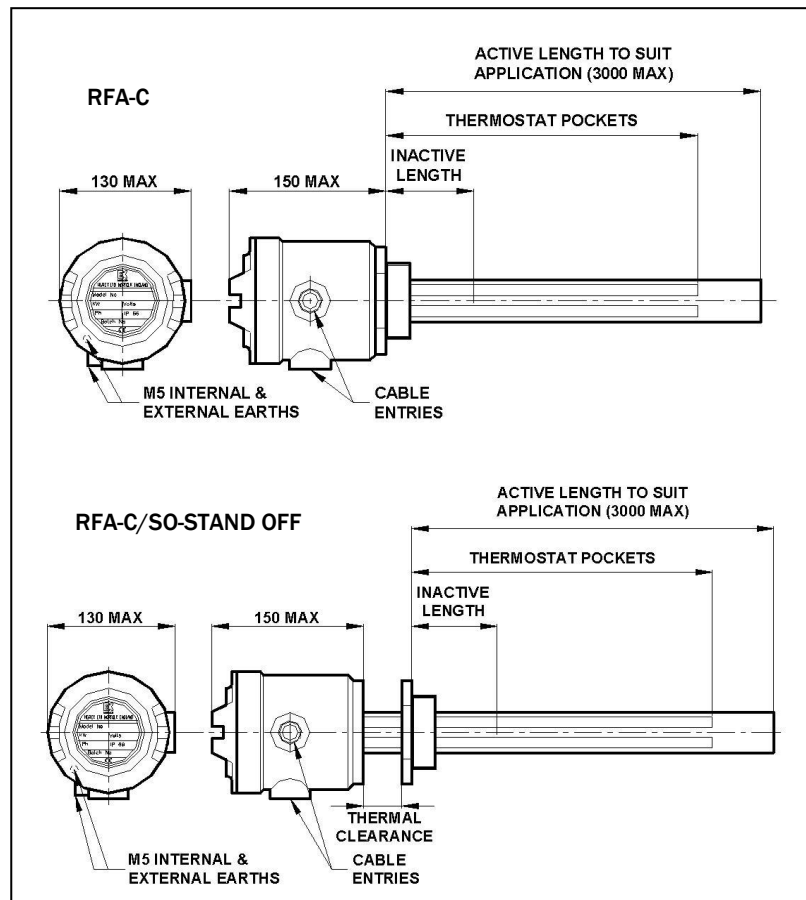
Boiler Equipment


Frost protection

Compressors

Turbines

# Product Specification



<b>Certification</b>	ATEX Certified  II 2 G Ex'd' IIC T3 to T6 to EN60079-0 and EN60079-1.
<b>Enclosure</b>	Cast Aluminium alloy with a maximum of two cable entries, external and internal earths, screwed terminal cover, finished in epoxy paint.
<b>Elements</b>	Removable core, comprising high quality 80/20 Nickel Chrome resistance wire, contained within ceramic formers.
<b>Element</b>	A choice of Carbon Steel, or 316L Stainless Steel secured by either brazing or welding depending upon the process application.
<b>Controls</b>	Heater over-temperature protection is fitted as standard.
<b>Mounting</b>	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'.
<b>Rating</b>	Maximum loading 8kW.
<b>Voltage</b>	Any electrical supply up to 690v.