

## 'RFA-CA' Flameproof Cartridge Immersion Heater

Hazardous Area Process Heat & Control Solutions

The RFA-CA range of flameproof 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 The element can be withdrawn for inspection without system drain down.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 or multiple cartridge elements fitted into a mounting flange. A robust flameproof terminal enclosure protects the electrical connections. The watts density of the element cartridge fitted depends upon the medium to be heated and the kilowatt rating required.



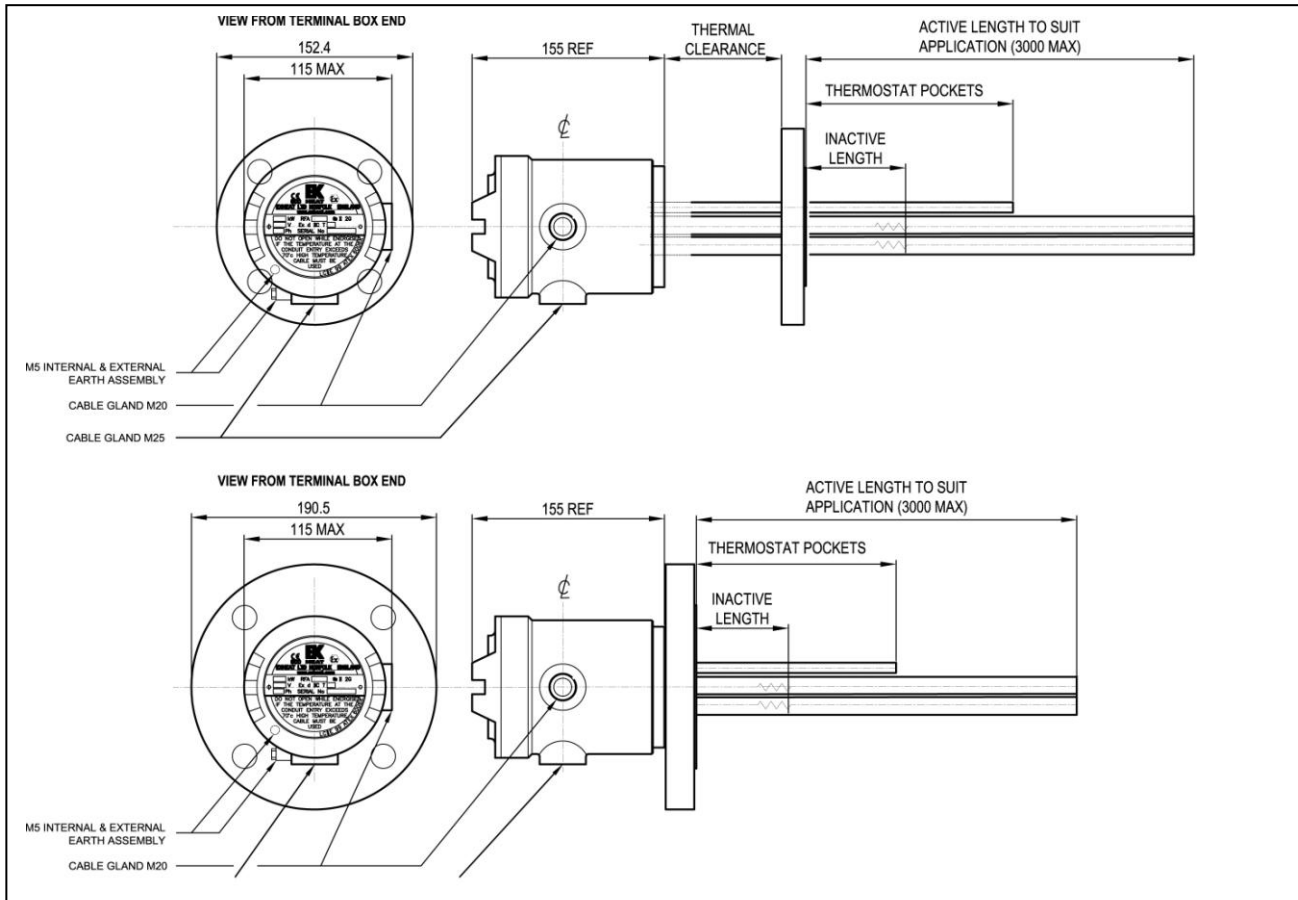
### FEATURES


- Certified  $\text{Ex} \text{II} 2 \text{G}$  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 T4 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 cartridge, comprising high quality 80/20 Nickel Chrome resistance wire, contained within 316L Stainless Steel sheath.
<b>Element</b>	304 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.