

RFA Flameproof Rod-Type Immersion Heaters

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



FEATURES

Certified to ATEX standards

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

Choice of built in process temperature sensors

Suitable for ambient temperatures -40°C to +40°C

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

Designed for horizontal installation (vertical mounting available on request)

TYPICAL APPLICATIONS

Pre-heating oil / water

Processing equipment

Cleaning and rinsing tanks

Heat transfer systems

Boiler equipment

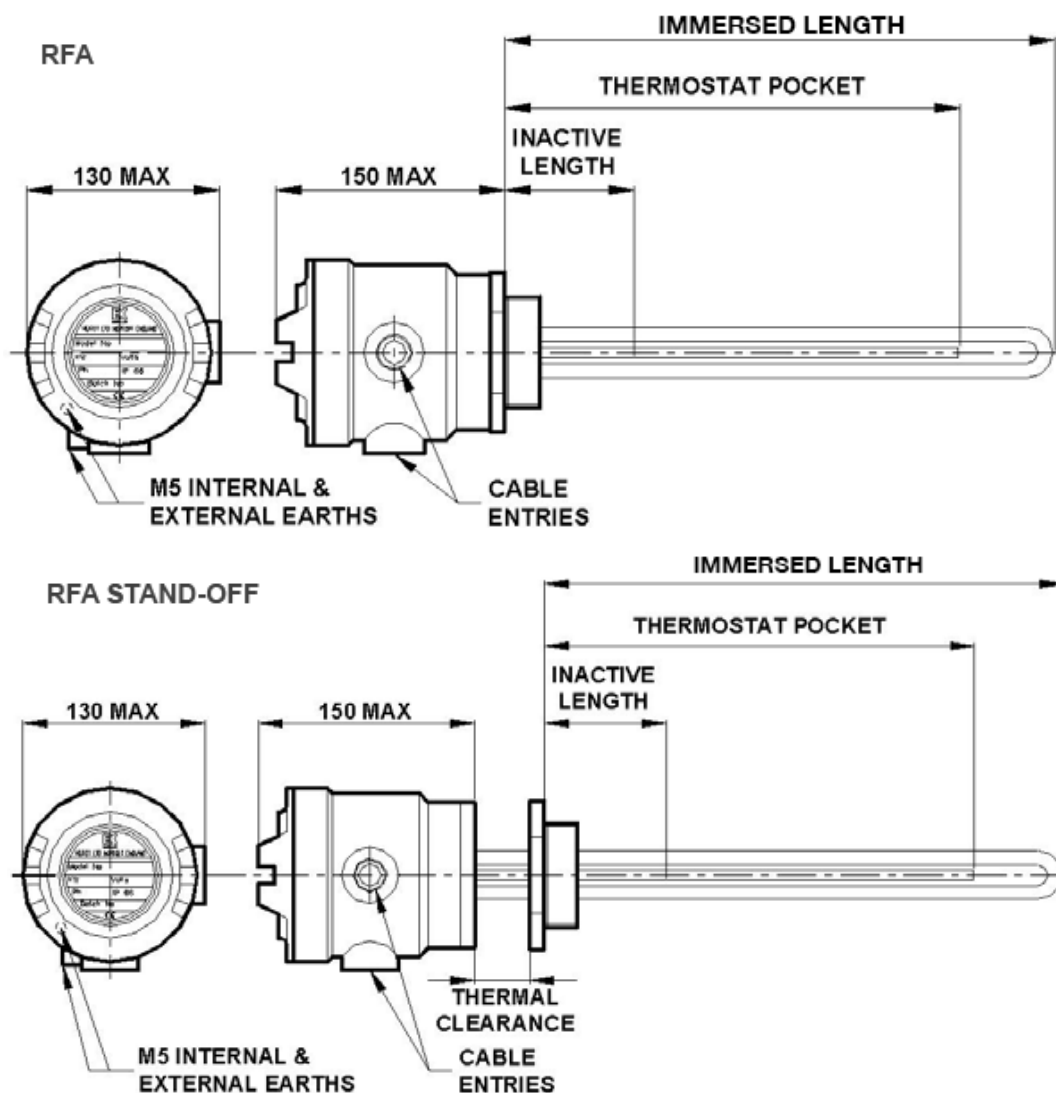
Frost protection

Safety showers


Water / glycol packages

Refrigeration packages

Oil separators



Certification

ATEX  II 2 G
Ex d IIC T3 to T6 Gb Zone 1 and 2
CU TR (formerly GOST)

Enclosure

Cast aluminium alloy with a maximum of one M20 and one M25 cable entry, external and internal earths and screwed terminal cover; certified Ex d IIC T4 to T6 with the option of T3 to 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 Incoloy 800, 825 or 316L, 304 or 321 stainless steel, secured by either brazing or welding, depending upon the process application

Controls

Heater over temperature protection is fitted as standard

Mounting

Any threaded NPT or BSP boss or flange in any material can be specified within the limits of the design parameters; heaters can be either 'direct-on' or 'standoff' as required by the certification

Rating

12kW (water applications) and up to 3kW (light-medium oil applications)

Voltage

Any electrical supply up to 690V



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