

A.S.P. Electro-Technology Ltd

INFORMATION SHEET

'RFA' Flameproof Rod Type Immersion Heater

The 'RFA' series 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.



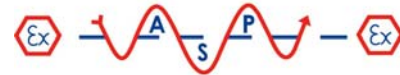
Features:

- 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 version available on request

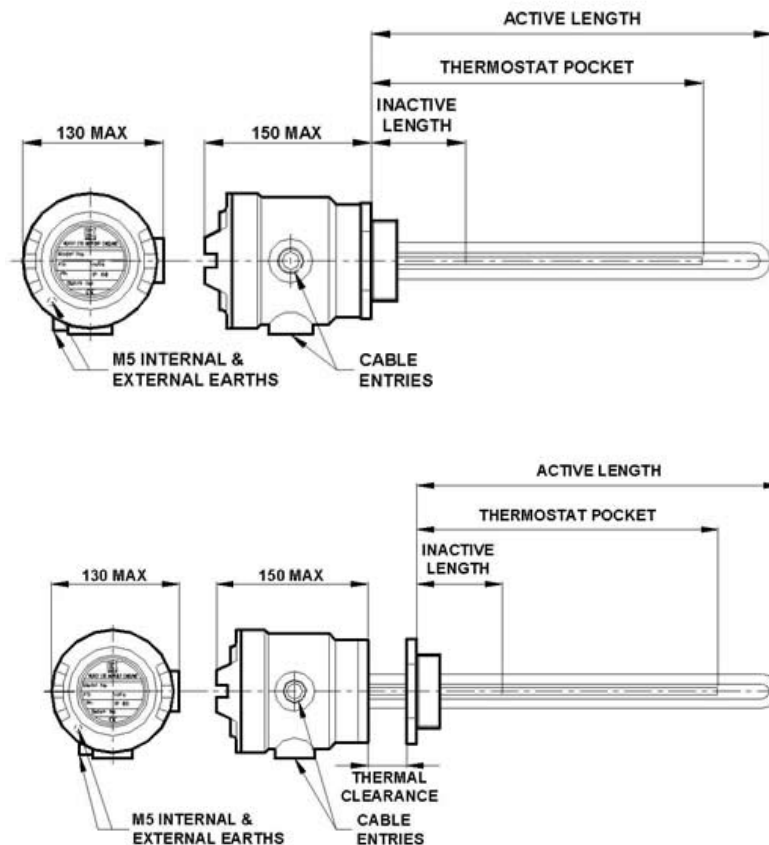
Typical Application:

- Pre-heating Oil / Water
- Processing Equipment
- Cleaning and Rinsing Tanks
- Heat Transfer Systems
- Boiler Equipment
- Frost protection

Model	kW	Immersed Length (inches)	Fixing Size inch BSP	Weight (kg)
RFA 111	1	11	2 or 2 1/4	3.4
RFA 211	2	11	2 or 2 1/4	3.4
RFA 311	3	11	2 or 2 1/4	3.4
RFA 330	3	30	2 or 2 1/4	4
RFA 616	6	16	2 or 2 1/4	3.4
RFA 630	6	30	2 or 2 1/4	4
RFA 916	9	16	2 or 2 1/4	3.4
RFA 923	9	23	2 or 2 1/4	3.8
RFA 926	9	26	2 or 2 1/4	4
RFA 1223	12	23	2 or 2 1/4	3.8
RFA 1233	12	33	2 or 2 1/4	4.5



Certification	ATEX Certified Ex II 2G, EEx'd' IIC T3 to T6 to EN50 014 and EN50 018.
Enclosure	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. Optional process temperature sensing devices can be incorporated in the form of RTD's, thermostats or thermocouples.
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 - 24kW.
Voltage	Any electrical supply up to 690v.



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Supplied by:

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