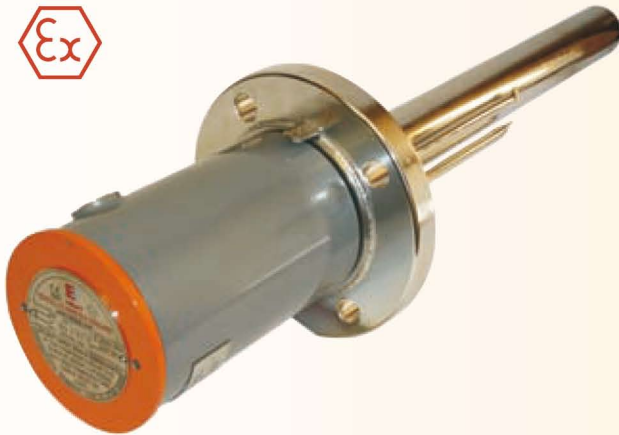




IMMERSION HEATERS WITH SCREW CAP, CASING, AND CERAMIC BODY INTERIOR, RFA-C RANGE

The 'RFA-C' range of immersion heaters with casing and replaceable ceramic interior provides a good solution for areas classified for oil heating or other similar processes in which a low load density is required. The heating element can be removed for inspection or replaced without the need to empty the tank. The EEx'd' terminal box protects the electrical connections from the explosive atmosphere.



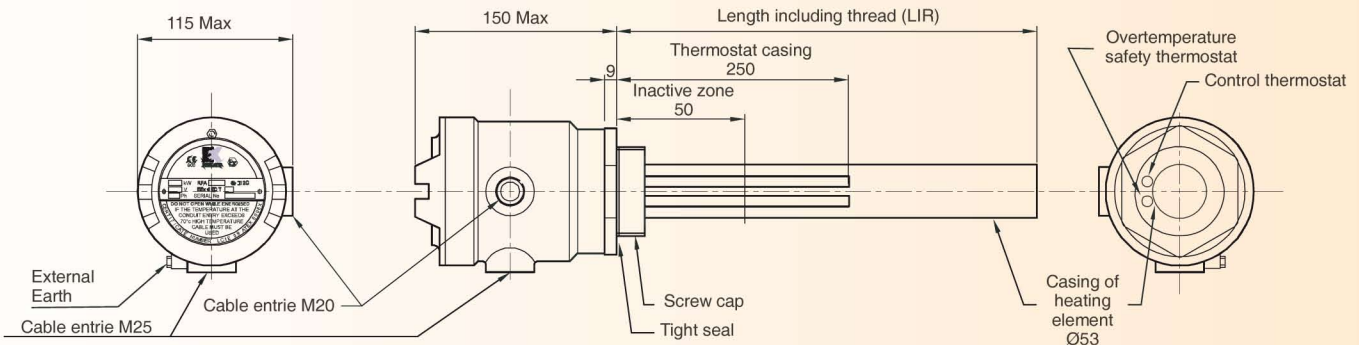
Common applications

- Water or oil preheating
- Cleaning and flushing tanks
- Process equipment
- Heat-transfer systems
- Boilers
- Anti-icing protection

General characteristics

- Certificate ATEX Ex II 2 G/D EEx'd' IIC T3 to T6, in accordance with EN 50014 and EN 50018
- Aluminium terminal box with damp protection IP67
- Integrated temperature sensor
- Valid for ambient temperature down to -40 °C
- Heater coupling using 2”½ screw cap. It can be fabricated with any other type of standardised thread or flange on request
- Designed exclusively for horizontal fitting. Vertical fitting available on request.

- **Terminal box:** Aluminium box with a maximum of 2 inputs for cables, internal and external earth connection, and screw cap. Damp protection grade IP67.
- **Heating components:** Replaceable ceramic component with high-quality nickel-chromium 80-20 resistive wire
- **Casing:** Standard steel or stainless-steel AISI 316L models. On request, it can be fabricated from Monel, Incoloy, Inconel, or titanium and welded according to the application.
- **Controls:** RFA-C heaters incorporate overtemperature protection by default. Other temperature devices such as thermostats, thermoresistors, or thermocouples may be incorporated as options.
- **Coupling:** Within the design limits, it is possible to specify the thread and material of the coupler cap.
- **Power:** Maximum power: 14.5 kW
- **Power supply:** Voltages possible up to ~690 V



Standard RFA-C models with brass 2”½ screw cap and carbon-steel casing

Code	LIR in mm	Volts	Watts	W/cm ²	Material tube	Thermostats temperature range	
						control	safety
RFA-CM1-16D	406	~240	1000	1,5	Carbon Steel	+5 / +80 °C	+45 / +95 °C
RFA-CM2-32D	812	3~240 Δ 3~415 ⤴	2000	1,5	Carbon Steel	+5 / +80 °C	+45 / +95 °C
RFA-CM3-48D	1219	3~240 Δ 3~415 ⤴	3000	1,5	Carbon Steel	+5 / +80 °C	+45 / +95 °C
RFA-CM4-64D	1626	3~240 Δ 3~415 ⤴	4000	1,5	Carbon Steel	+5 / +80 °C	+45 / +95 °C
RFA-CM5-80D	2032	3~240 Δ 3~415 ⤴	5000	1,5	Carbon Steel	+5 / +80 °C	+45 / +95 °C
RFA-CM6-99D	2515	3~240 Δ 3~415 ⤴	6000	1,5	Carbon Steel	+5 / +80 °C	+45 / +95 °C
RFA-CM7-120D	3048	3~240 Δ 3~415 ⤴	7000	1,5	Carbon Steel	+5 / +80 °C	+45 / +95 °C

Choice of control thermostat

The control thermostat can be replaced by another from the following

list at no additional cost. If this is necessary, indicate it in your order:

- Scale: +40 / +80 °C
- Scale: +0 / +40 °C
- Scale: -10 / +65 °C
- Scale: +10 / +90 °C

Standard RFA-C models with stainless-steel 2”½ screw cap and AISI 316L stainless-steel casing

Code	LIR in mm	Volts	Watts	W/cm ²	Tube material	Thermostats temperature range	
						control	safety
RFA-CS1-16D	406	~240	1000	1,5	AISI 316L	+5 / +80 °C	+45 / +95 °C
RFA-CS2-32D	812	3~240 Δ 3~415 ⤴	2000	1,5	AISI 316L	+5 / +80 °C	+45 / +95 °C
RFA-CS3-48D	1219	3~240 Δ 3~415 ⤴	3000	1,5	AISI 316L	+5 / +80 °C	+45 / +95 °C
RFA-CS4-64D	1626	3~240 Δ 3~415 ⤴	4000	1,5	AISI 316L	+5 / +80 °C	+45 / +95 °C
RFA-CS5-80D	2032	3~240 Δ 3~415 ⤴	5000	1,5	AISI 316L	+5 / +80 °C	+45 / +95 °C
RFA-CS6-99D	2515	3~240 Δ 3~415 ⤴	6000	1,5	AISI 316L	+5 / +80 °C	+45 / +95 °C
RFA-CS7-120D	3048	3~240 Δ 3~415 ⤴	7000	1,5	AISI 316L	+5 / +80 °C	+45 / +95 °C

Choice of control thermostat

The control thermostat can be replaced by another from the following

list at no additional cost. If this is necessary, indicate it in your order:

- Scale: +40 / +80 °C
- Scale: +0 / +40 °C
- Scale: -10 / +65 °C
- Scale: +10 / +90 °C

