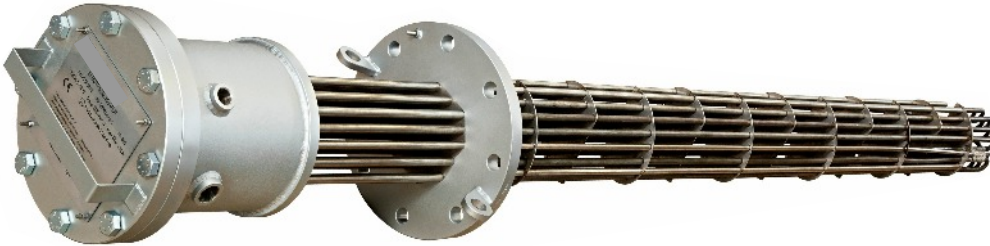




ATEX Immersion Heaters

Flanged Immersion Heaters



Screw Plug Immersion Heaters



Immersion Heaters suitable for hazardous area zone 1, for applications where hydrogen and other gases are present.

Designed and certified in accordance the PED and ATEX directives

All our ATEX heater are designed and manufactured for specific applications

Flanged heater flanges are selected from the Din or ANSI ranges, selected in accordance with the design pressure requirements.

Flange Materials: AISI 304, 321, 316 Stainless steel, and Carbon Steel.

Elements Diameters: 8.5mm, 10mm and 16mm

Element sheath Material: AISI 304, 321, 316, 309 Stainless steel, Incoloy 800, and 825, Titanium for special applications.
16mm diameter Incoloy 800 only.

Screw Plugs: Brass or stainless steel.



Typical ATEX heater specification II 2GD Exde llB T4 Exd IP65

Certified for use in area II which will have potentially explosive gases and or dust present

2 or 3 This indicates the category

Category 2 suitable for zone 1

Category 3 suitable for zone 2

The lower the number the higher the danger level

Zone 1 heaters can be installed in Zone 2

GD This indicates the property of the explosive area

G indicates that a potentially explosive gas is present

D indicates that a potentially explosive dust is present

If both G and D are indicated, the heater can be used in areas where both explosive gas and dust is present.

T1-T6 Indicates the maximum temperature that can be reached by any part of the heater that is exposed to the explosive atmosphere.(Degrees C)

T1-450

T2-300

T3-200

T4-135

T5-100

T6- 85

Exd The function of this type of enclosure is to prevent the propagation of an internal explosion to the surrounding atmosphere.

IIB & IIC Indicates the type of heater mounting.

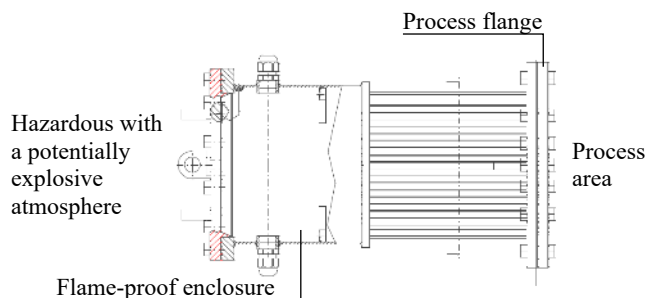
IIB - Flange mounted

IIC - Screw plug mounted.

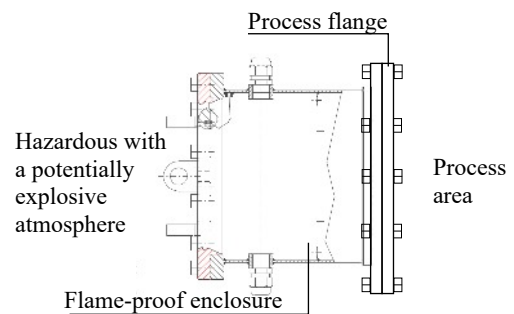
IP This specifies the amount of protection against the ingress of moisture and or dust into the terminal box. Example IP65. The first digit 6 indicates the degree of protection against the ingress of dust. The second digit 5 indicates the degree of protection against the ingress of moisture.

R/F R indicates that the terminal box is raised from the process flange

F indicates that the terminal box is mounted on the process flange.



150-400°C T3 to T1
Terminal box raised to a maximum of 300mm



0-150°C T6 to T3
No raised terminal box