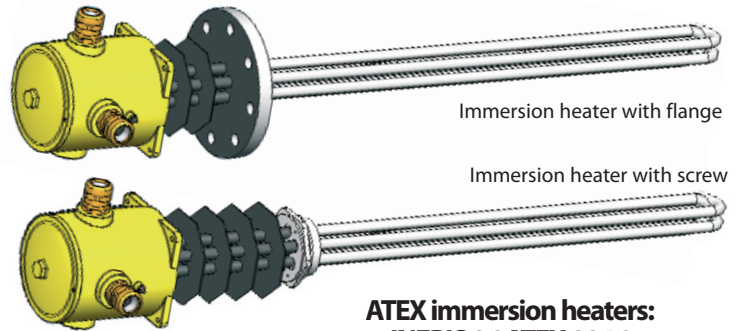


**Explosion-proof electric immersion heater**, notified **Ex d II C T6 to T1**, to use in explosive atmosphere. Customer made, according to the product to heat and the configuration of the immersion heater's receptacle, it can be mounted on assemblies such as tanks, heaters, ... to heat static products in tanks or flow of fluid in heaters.

- Using conditions :
  - Zone: 1 and 2 only
  - Class : II C, II B and II A.
  - Temperature class : T6 to T1.
  - Using atmosphere :  $-20 < T < 40^{\circ}\text{C}$ .
  - Pressure :  $0.8 < P < 1.2 \text{ bar}$ .



**ATEX immersion heaters:  
INERIS 06 ATEX 0046**

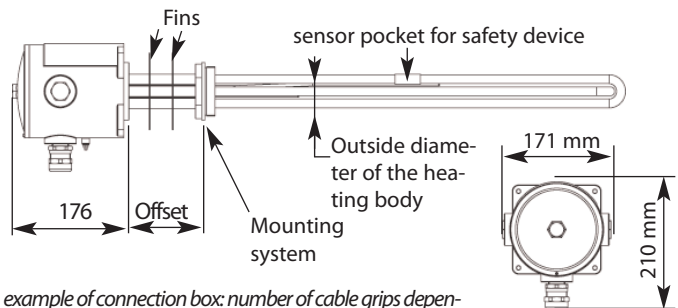
The respect of essential safety requirements, (appendix II directive 94/9/CE of 03/23/1994) is obtained by the conformity of standards for equipment: EN 60079-0 of July 2006 and EN 60079-1 of March 2004.

- **Characteristics :**
    - Mounting system :
      - screw plug (standard = M77)
      - flange (standard = DN 80 - maximum - DN 100)
 Possibility of any other mounting system according to the application.
    - Heating element composed of one or several hairpin shaped tubes.
    - Tubes made of steel, stainless steel or incoloy 800.
    - Aluminium connection box and safety devices IP65 according to the EN 60529 standard.
 

Connection box equipped with ATEX II C (3/4" NPT or M25) cable grip and with internal and external earth bolts. (the number of cable grips depends on the characteristics of the immersion heater).
    - Immersion heater equipped with 2 temperature safety devices (sensor, thermostat...) in a sensor pocket near the heating elements ( the dimensions of the sensor pocket depends on the using conditions.
    - Safeties can be of bulb thermostat class, sensor PT100, sensor fuse or a combination of 2.
    - Maximum voltage : 750 V single or 3 phase.
    - Maximum power\* : 27kw /400V 3 phase.
 

Maximum intensity : 38.9 A / phase whatever wattage and voltage are.
    - Maximum outside diameter of the heating body < 70 mm.
    - Maximum length : 3000mm
    - Immersion heaters individually controlled before shipment.
- (\* depends on using conditions: material, temperature.....)

### • Immersion heaters sizes:



example of connection box: number of cable grips depending on power

### • Temperature classes :

Class	T6	T5	T4	T3	T2	T1
Max. surface T°	85°C	100°C	135°C	200°C	300°C	450°C

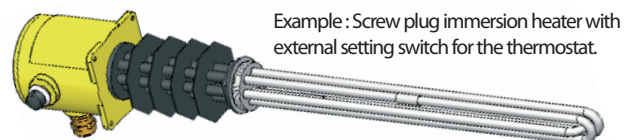
According to the Temperature class, the connection box must stand back from the mounting system:

- 120 mm , ( 2 fins) for temperature class T6 to T3
- 220 mm , (4 fins) for temperature class T1 to T2

### • Options :

The immersion heaters can be equipped with a temperature regulation device or with an ambient thermostat, protected by a separate sensor pocket.

In both cases, the setting switch can be located inside or outside the connection box, upon request.



For any price inquiry, a drawing and a questionnaire will be sent to you, in order to offer the adequate product.

### Acim Jouanin Quality System: INERIS 06 ATEX Q703

#### Important note:

The mounting of the immersion heater must be made according to the EN 60079-14 standard. Mounting instructions supplied with the heater.

The maximum temperature of the liquid to be heated must be below the safety temperature.

**ACIM JOUANIN - 650, Rue Vulcain - Z.I. n°1 Nétreville - BP 1725 - 27017 EVREUX Cedex**  
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