

HEATING ELEMENTS for ATEX

Heating plates / panels



DESCRIPTION:

- material of the heater : cast aluminum with durable perimeter armoring
- insulating heat shield of the underside of the panel
 - installation: horizontally on flat surfaces (alignment using locking screws)
- increasing the heating surface by means of others modules (4 panels = volume 12 bottles)
- certification: IEC/EN 60079-0, IEC/EN 60079-1, EN 60079-7, IEC/EN 60079-31

APPLICATION:

- petrochemical industry
- mechanical engineering
 - power engineering
- pressure cylinder logistics

TECHNICAL PARAMETERS:

- max. load weight: 100kg
- temperature resistance of cabling: <math><126^{\circ}\text{C}</math>
 - temperature class: T4
- ambient temperature: $-60 + 70^{\circ}\text{C}$
- max. working temperature: 99°C
 - protection: IP 65/IP 68

SPECIFICATIONS:

The heating panels were designed to stabilize the internal pressure of cylinders containing technical gases. Heating the bottles with TP ensures that at lower ambient temperatures than the optimum temperature for processing, the formation of surface frost is prevented, so the contents of the bottle will be used to 100%. This is contact heating when the bottles are placed on the upper heating part of the panel. The generated heat is transferred through the shell of the bottle to the gas, which achieves a constant internal pressure even at a low external ambient temperature. An indisputable advantage is the optimization of gas consumption and the possibility of completely emptying the bottle and minimizing the residual gases inside the bottle, which would otherwise not be used due to insufficient pressure. An analogous product to the heating plates are the explosion-proof Clamp heaters. These too are produced by "drowning" one or more heating elements in aluminum or bronze fusion. They are made in the shape of cylinders or half shells. They enable cylindrical bodies to be heated.

Heating panels

