Self-regulated Screw Plug Immersion Heaters for ATEX/IECEx hazardous areas

Applications
Heating of gaseous or liquid media, protection of motor carters and compressors. The B135/B200 immersion heaters by CETAL are certified for operation in hazardous areas in zone 1 and 2. They are used for:
• Avoiding the dew point
• Freeze protection
• Temperature maintenance of equipment without casing
They are designed and manufactured according to your specifications.

Specifications
• Self-regulation of the heating element temperature through limitation of the Watt density
• Supply voltage 230 V 1PH, 400 V 3PH, others on demand
• Corrosion-resistant AISI 321 stainless steel tube material (1.4541)
• M45 screw plug with Ø 45 seal, brass or stainless steel
• Working pressure < 8 bars
• ATEX/IECEx connection housing, AISI 316 stainless steel (1.4404) or nickel-plated brass, IP 67 protection rating
• Connection through M4 threaded rods (2 accessible terminals)
• Horizontal mounting
• Protection and marking: ☑ II 2 G Ex d IIC T1 to T4 Gb IP67
• Option: ATEX cable gland, nickel-plated brass, ADL1F ISO M20 type

T4 and T3 temperature classes
• B135 type ATEX immersion heater
• Ambient operating temperature
  T4 (135 °C): from - 50 °C to + 40 °C
  T3 (200 °C): from - 50 °C to + 60 °C

T3 and T2 temperature classes
• B200 type ATEX immersion heater
• Ambient operating temperature
  T3 (200 °C): from - 50 °C to + 40 °C
  T2 (300 °C): from - 50 °C to + 60 °C

Customizable features
• Power range from 50 to 250 W
• 1PH or 3PH voltage supply
• Heating length up to 3 m
* in compliance with the EC-type examination certificate

Certification
• EC-type examination certificate LCIE 07 ATEX 6004 X
• IECEx Certificate of Conformity LCIE 11.0017 X
• c CSA us
• EAC & CU TR (former GOST)

All CETAL products can be designed to your specifications!
Contact us!