



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

MAINTAINING A CONTINUOUS  
TEMPERATURE

ANTI-CONDENSATION

HEATING LIQUIDS

HEATING GASES



B135 for T4, T3 / B200 for T3, T2

### 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)

