

Explosion-Proof Heaters (ATEX certified) provide neutral convection solutions of heating for electrical equipments in hazardous industrial locations where potential for explosion exists due to the presence of flammable gases, vapors, powder-metals or dusts.

Explosion-Proof Heaters are also designed to eliminate the moisture in enclosures or designated spaces. Moisture, especially when combined with aggressive gasses and dust, causes atmospheric corrosion and can result to failure of components such as circuit breakers, busbars, relays, integrated circuit boards, transformers and so on.

Failure of components is generally caused by changing resistances, flashovers, creepage currents or reduced insulation properties. Moisture and corrosion will remain at low level if air humidity does not exceed 60%. To eliminate moisture in an enclosure, the temperature inside the enclosure must be approximately 5°C higher than the outside temperature. Ex-proof heaters provide constant temperature for optimal operating condition at hazardous environments.



Some applications for explosion-proof heaters are:

- control cabinets
- instrument enclosures
- small storage rooms
- cabinets for volatile products
- frost protection
- condensation prevention
- motor enclosures

Some hazardous environments:

- oil and gas facilities
- chemical plants
- oil refineries
- coal mines
- pulp & paper industries
- petrochemical plants
- grain elevators
- sewage treatment plants

Technical Specifications

Certification	EX II 2G Ex eb II T3 Gb
Voltage AC/DC	24 V – 277 V
Power	30 W, 50 W, 100 W
Temperature class	T3
Heater body	Stainless steel
Connection	SIMH 2x0.75 mm ² silicone cable, length 1 m
Mounting	Wall mounting or 35 mm rail clip
Mounting position	Vertical or horizontal
Ambient temperature	-40°C to 80°C
Protection degree	IP67

