



Explosion proof electric heater designed for use in Division and Zone classified areas. National Electric Code (NEC) defines a hazardous location as an area where a potential hazard may exist under normal or abnormal conditions because of the presence of flammable gases, ignitable fibers, pulverized dusts, or vapors in the atmosphere. Under these conditions, equipment must be designed and manufactured to specific standards. Explosion-proof heater (ATEX certified) provide neutral convection solutions of heating for electrical equipment's in hazardous industrial locations where potential for explosion exists due to the presence of flammable gases, vapors, powder-metals or dusts. Explosion proof heater

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 heater provide constant temperature for optimal operating condition at hazardous environments.

Applications

Used for heating in areas where gases or vapors are present, such as in the chemical and petrochemical industries and in areas where flammable and/or combustible products are stored.

- Cement Plants
- Gas Plants
- Pulp and Paper Mills
- Battery Storage Areas
- Dry-Cleaning Facilities
- Coal Handling Facilities
- Gasoline Fueling and Storage Areas
- Grain Elevators
- Paint Spraying and Storage Area
- Control Cabinets
- Instrument Enclosures
- Small Storage Rooms
- Cabinets for Volatile Products
- Frost Protection
- Condensation Prevention
- Motor Enclosures
- Chemical Plants
- Oil Refineries
- Pulp & Paper Industries
- Petrochemical Plants
- Sewage Treatment Plant