

Thermopads

Hopper Heater

Thermo Hopper heating systems play an important role in the removal of fly ash from precipitators and bag filter hoppers. The hopper heater is designed to preheat the hopper to prevent moisture condensate from collecting in it during startup conditions. In addition, they maintain the hopper and fly ash at temperatures above the flue gas acid dew point during normal operating conditions

Construction

Thermo Hopper Heater comprise of Flat heating Strips / Wire type elements, uniformly distributed and sandwiched between multiple layers of fiber glass cloth. This complete assembly is housed in tamper proof rugged high temperature resistant Aluminum Body. The Heating element is connected to power supply through Fibre Glass insulated and Silicon Rubber sheathed Cable



Features

Approvals	Thermo panel type Hopper Heaters are approved by CSA and EAC
Low Watt Density	For uniform Heating and long Life
Vibration and Shock Resistance	No screws Nut bolts. No Moving Parts. Heater is sealed with rivets
Rugged Construction	Rugged High Temperature Resistant Aluminum Body
Ease of Maintenance and Installation	Provided with mounting angles/Plate(Optional)
Long Life	Good heater contact with surface resulting in lower element temperatures

Technical Specifications

Operating Voltage	415 V AC 3 Phase
Max. Watt Density	3 Watts/sq. inch
Max. Operating Temperature	180 Deg.C
Temperature Sensor	Thermostat / RTD PT 100
Power/Control Connection	5.0 M of Lead cable
Temperature Control	TIC/Capillary type Thermostat

STANDARD RANGE

Heater size (mm)	152x203	152x1520	305x305	305x1520
-------------------------	---------	----------	---------	----------

Can be custom designed to suit specific requirements.