

# 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

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

### Technical Specifications

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

### STANDARD RANGE

<b>Heater size (mm)</b>	152x203	152x1520	305x305	305x1520
-------------------------	---------	----------	---------	----------

Can be custom designed to suit specific requirements.