

FIBERGLASS HOPPER HEATER



MARATHON HEATER (I) PVT. LTD.

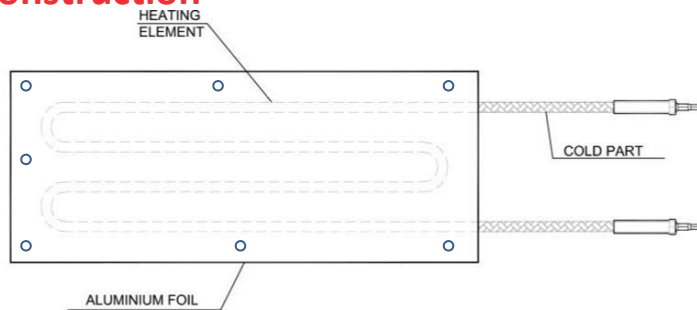
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Fiberglass Hopper Heater

Construction



- **Conductor** Alloy- Nichrome 80/ Alloy 875/ Alloy 815/ Nickel 200/ Alloy 30/ Alloy 15/ Alloy 10/ Alloy 5/ Alloy 27 / Alloy 50/Copper/ Stainless Steel/ Customize
- **Insulation** - Fluor polymer /Customize with Braided
- **Max. continuous Temperature-** 105°c/125°c/150°c/200°c/
- **Covering** – Fiberglass cloth High Temperature.

Introduction

Hopper Surface Heating Systems keep temperatures over the dew points for moisture and acids. For ESP Hoppers, Bag House Hoppers, Material & Dust Collector Hoppers, and Fiberglass Cloth Hopper Heaters, we develop and manufacture these heaters.

it provides even heat transfer over the surface, preventing any hot spots or carbonization of the substance. It is simple to manage and has a consistent temperature. The elements loosely follow the vessel surface temperature and are made to operate in the black-heat area.

The electrical Fiberglass Hopper heating pad is made up of highly resistivity of wire heating components and are insulated by two braids of glass-fiber yarn/ PTFE/PFA/FEP these type of Fluoropolymer. The element is once more sandwiched between two layers of tightly woven glass cloth and distributed out over the carrier at a consistent pitch.

The Heating element is connected to power supply through Fiberglass insulated and Silicon Rubber sheathed Cable.

Series /parallel type of Circuit has used in Heating Element design.

Features

- Series type Circuit Heating Element Exclusive one-piece design is easy to install and handle LowWatt 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 Long Life Good heater contact with surface resulting in lower element temperatures
- Temperature monitoring & Control accessories such as Thermostats, RTD, Thermocouple.

Construction Data

Resistance Wire Alloy	Alloy- Nichrome 80/ Alloy 875/ Alloy 815/ Nickel 200/ Alloy 30/ Alloy 15/ Alloy 10/ Alloy 5/ Alloy 27 / Alloy 50/Copper/ Stainless Steel/ Customize.
Power Range	50 – 3600 watt
Voltage range	12,24,110,230 Volt
Heating Material	Fiberglass Cloth (Sand witch) with woven cloth carrier
Maximum Temperature	Up to 300°c
Insulation Type	Fluor polymer /Customized with Braided.
Cold Lead	Silicon Insulated 200°c
Cold Lead Connection Type	Crimp Type with Connector

Technical Specification

Product Name	Fiber Glass Hopper Heater
Function	Maintain elevated temperatures above moisture and acid dew points
Features/Benefits	Bag house Hoppers
	Material and Dust-Collector Hoppers
	Vessel / Drum heating
	Concrete Mold
	Storage Tanks Viscosity control and freeze protection
	Low Temperature Ovens
	Concrete Curing
Material	FEP/PFA/ETFE/PTFE/XLPE/Silicon//Customize Insulated Wire
Resistance Range at 20°C	3500 ohm/m - 0.169 Ohm/m
Applied Voltage	12, 24, 110, 230V customize single Phase
Watt Density	Up to 65 watt/m
Temperature Range	Up to 300°C
Standard width	50, 100, 150, 200 , 400 and 500 mm