



Hopper Heating Pad

Celsun heating pads are designed to cover the maximum area of the vessel. Hence it gives uniform heat transfer throughout the surface, avoiding any hot-spot or carbonization of the content. Temperature is uniform and can easily be controlled. The elements are designed to work in black – heat region and closely follow the vessel surface temperature. Our modular design provides the:

- Easiest and lowest cost-of-installation
- Most cost-effective and energy-efficient heat possible across a large surface area

Construction details:

The electrical heating pad consists of nichrome wire heating elements insulated with two braids of glass-fiber yarn and impregnated with glass varnish. The element is spread over closely woven glass cloth carrier at a uniform pitch and again sandwiched between two layers of glass cloth.

The lead wires, comprising of fiberglass and Teflon insulated copper wire, are taken out from one side. Eyelets are provided for fixing the pads on vessel. Tying laces may also be provided for smaller size.

Technical specifications:

Maximum temperature	safe	300°c
Maximum power density		3. 0 kw/sq. Mtr.
Working Voltage		230v single phase ac



Hopper Heating pads Ideal For:

- ESP (Electrostatic Precipitator) Hoppers
- Bag house Hoppers
- Material and Dust-Collector Hoppers
- Vessel / Drum heating
- Concrete Mould

Please contact us for techno-commercial assistance:

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Hopper Heaters

Hopper Surface Heating Systems maintain elevated temperatures above moisture and acid dew points. We design & Manufacture different types hopper heaters suitable for ESP Hoppers, Baghouse Hoppers, Material & dust collector Hoppers

1. **Metal Clad Heaters**: GI / SS body. Temperatures up to 350°C & Simple Stud-Welding Installation.
2. **Silicone Rubber Heaters**: Temperatures up to 232°C & Easy Adhesive Installation.
3. **Fibre Glass Heating Pads**: Temperatures up to 300°C & Easy eyelet Installation.

In-house team of heating experts assigned to each application to provide:

- Thermal calculations
- Wiring diagrams and installation drawings
- Maintenance manuals and support

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- Most cost-effective and energy-efficient heat possible across a large surface area.

Temperature Control and Power distribution Panel for Hopper heating system:

Choose from a wide range of temperature control options to meet your application and precision needs. All control systems are configured-to-order to meet your unique environmental requirements. Temperature monitoring & Control accessories such as Thermostats, RTD, Thermocouple, junction box & Panels is available under one roof.

Other application of Hoppers Heating Pads:

- ✓ Storage Tanks Viscosity control and freeze protection
- ✓ Process Vats and Dip Tanks Heat raising and maintenance
- ✓ Low Temperature Ovens
- ✓ Concrete Chute Curing