



SUNBRIGHT INDUSTRIES

MICA BAND HEATERS



OVERVIEW

Mica Band Heaters are constructed by winding a nickel-chrome resistance ribbon around mica insulation and encapsulated in a stainless-steel sheath. It is then formed to the desired diameter for installation over a dies, barrels and nozzles. They are available in an extensive variety of sizes and shapes with options for holes, notches and cut-outs, A number of threaded terminals, wire lead options and terminal boxes offer great flexibility for field wiring.

Heat from the precisely wound resistance element is quickly transferred to the working surface for fast heat-up and response. Mica provides excellent dielectric strength and heat transfer capability for long heater life. The mica core is encased in a continuous corrosion resistant sheath and formed. All full mica band heaters are designed with closed ends to protect against contamination. Maximum sheath temperature is 800°F

The heating element is insulated within a mica core enclosed in a metal sheath which provides exceptional insulation, dielectric strength and heat transfer capability for faster heat up and longer heater life. Heaters can incorporate various sized holes and cut-outs and are customizable for various dimensions, wattages, voltages and materials to suit different applications requirements. Mica band heaters can also accommodate built in thermocouple which helps in controlling temperature more accurately.



FOR ENQUIRY

Call us: - 020-27484756 / 9049918253 / 9422088017

Fax: - 020-27458946, Email-id: - sunbrightindustries@yahoo.co.in



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TERMINATION OPTIONS

HORIZONTAL POST TERMINALS



This style includes Post Terminals in Horizontal Position at each end of the Mica Band Heater

VERTICAL POST TERMINALS



This style includes Post Terminals in Vertical Position at the same end of the Mica Band Heater

STANDARD EXIT FOR MICA NOZZLES



Two fiberglass insulated (for abrasion protection) lead wires, exit through the lower edge on each side of this band heater.

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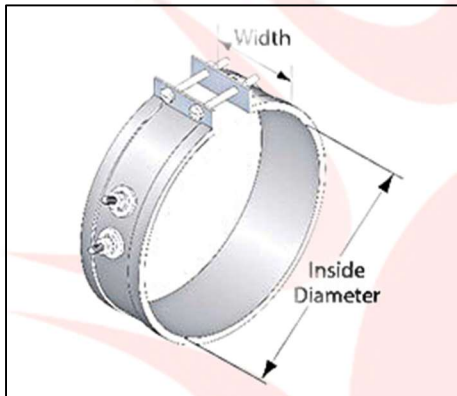
HIGH TEMPERATURE QUICK DISCONNECT PLUG



This Style offers a quick application that is simple and safe. This style is ideal when quick disconnection is required

CLAMPING OPTIONS

BENT UP FLANGE CLAMP



Available with any termination style and is only recommended for narrower designs.

STANDARD ALLEN BOLT CLAMP



This is the most standard clamping system used in all Mica Band and Mica Nozzel Heaters.

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TECHNICAL SPECIFICATION

Watt Density	3.5 W/cm ² (Specific)
Voltage	24 -480 V
Diameter	25 - 1000 mm
Sheath Material	Aluminum, COATED SS
Maximum Temp	800 oC

INSTALLATION & MAINTENANCE

- ✓ Maintain temperature controls & accessories in good working condition to avoid over heating condition.
- ✓ Secure firmly to avoid Air gap and also to compensate for normal expansion, re-tighten periodically.
- ✓ Maintain temperature controls (Ø).
- ✓ Eliminate contamination of oil, plastic, dirt etc on cylinder surface.
- ✓ Termination & Clamping Style.

FEATURES

- ✓ Engineered for Longer life with Superior quality
- ✓ Thermal Conductivity and die electric strength.
- ✓ The flexible design allows easy install and removal
- ✓ Available with inbuilt insulation pad to reduce power consumption.
- ✓ Available in Premium, Economy & Power Saving Options.

APPLICATIONS

- ✓ Injection Molding Machine
- ✓ Compounding, Blow molding
- ✓ Plastic Processing Machinery.

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