Heating Technologies

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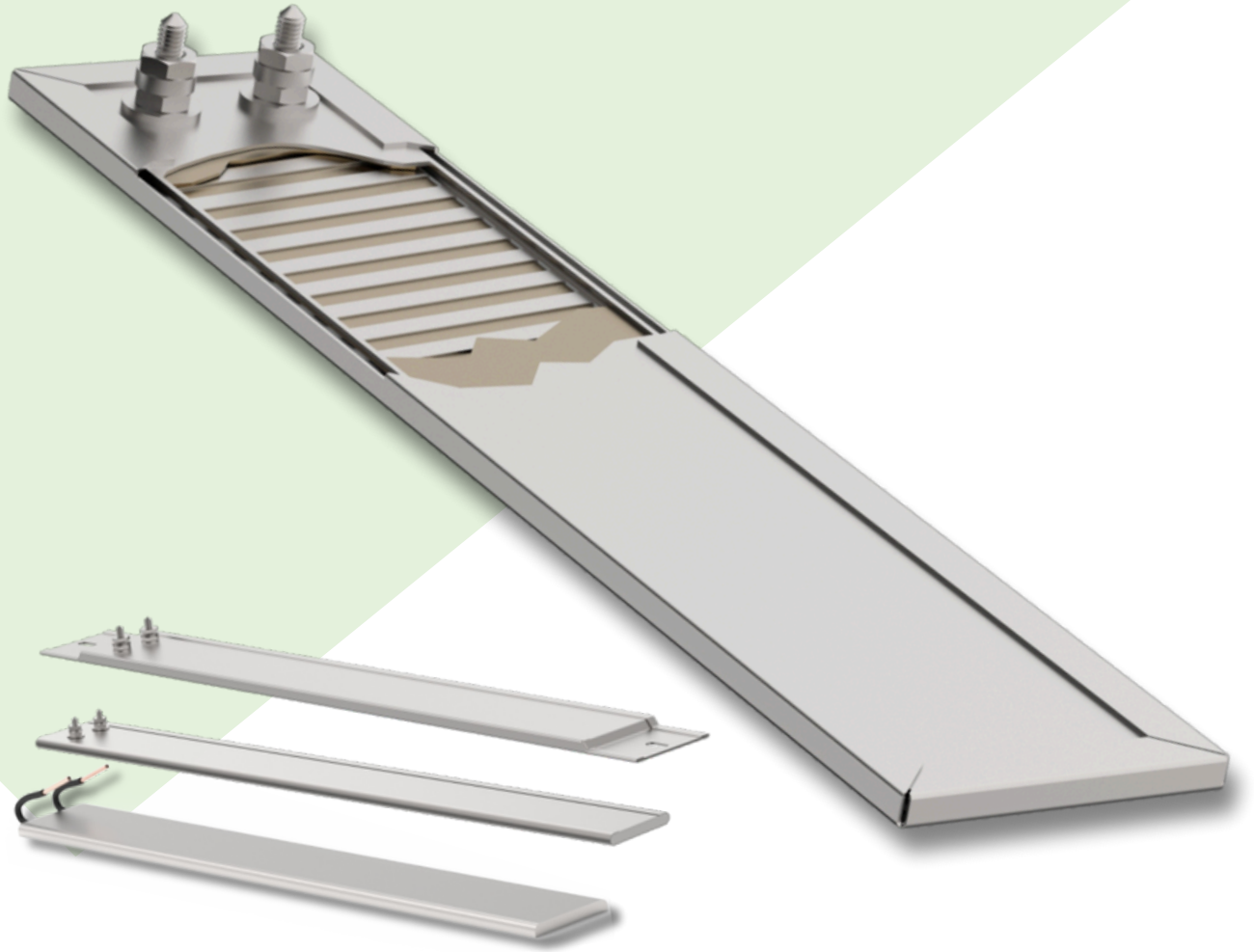


Contact @
V-303,Gali NO-22A, Near By Khan Medical, Vijay Park Maujpur, Delhi 110053
M.no +91 8700859004
+91 8470050586
E-mail : heat.coolenterprises@gmail.com

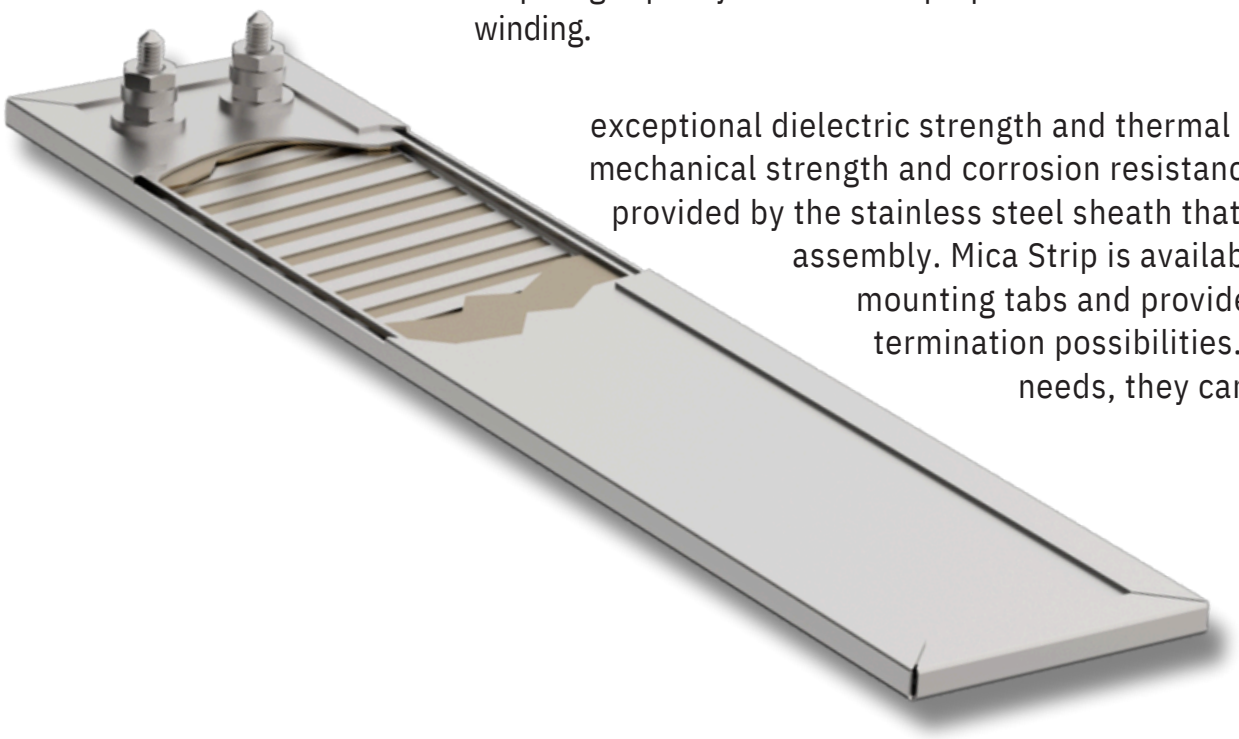
heat&cool.in

Heating Technologies

MICA STRIP HEATERS

Mica Strip Heaters : are excellent industrial heating products that work incredibly well for surface heating applications. For low to medium temperature heating needs, mica strip heaters are appropriate.

To provide even heat distribution, they are made of a nickel-chromium-resistant ribbon that is consistently wound on a specifically chosen mica strip. High-quality mica of the proper thickness is used to insulate the winding.



exceptional dielectric strength and thermal conductivity. High mechanical strength and corrosion resistance up to 650°C are provided by the stainless steel sheath that encases the mica assembly. Mica Strip is available with or without mounting tabs and provides a large range of termination possibilities. To satisfy certain needs, they can add cutouts and holes.

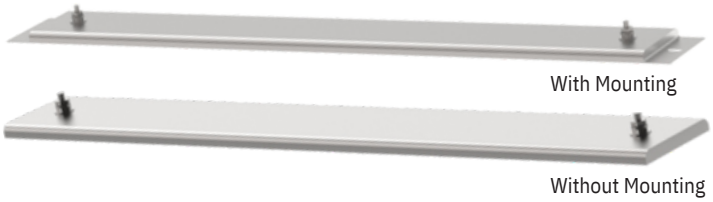
Simulation of Heavy Machinery

1. **Nickel Chromium Resistance Ribbon wounded for even heat distribution.**
2. **Mica Strip specially selected heater life.**
3. **Mica Insulation high grade for thermal excellent conductivity.**
4. **Stainless steel sheath resistance in wide variety of environment. Suitable temperatures as high as 650°C.**

Termination Options

1). Screw termination

1). Both End



2). Parallel

3) Offset

4) Tandem

Technical Details and Allowances

- Sizes : minimum 5/8” wide, length
- Sheath Material : Stainless
- Maximum sheath temperature : 650°C (1200°F)
- Maximum Watt Density : 45 W/in2
- Maximum Voltage : 480
- Wattage tolerance : +5%, -10%
- Resistance tolerance : +10%, -5%

Features And Benefits

Available with or without mounting tabs.
Easy and economic to install.
Corrosion and vibration resistant .
Durable, versatile and easy to control.
Uniform Heat Distribution.
Suitable for low to medium temperatures.

Utilization

Blow Molding.
Rubber plate that has been heated.
molding by compression.
inks that are heated.
bars for sealing.
warming food.
sealing and packaging.
equipment for laboratories.
Ovens and hot plates.

Termination Options

1). Lead Wire termination option

a)Both End

b)Parallel

Termination of lead wire protection

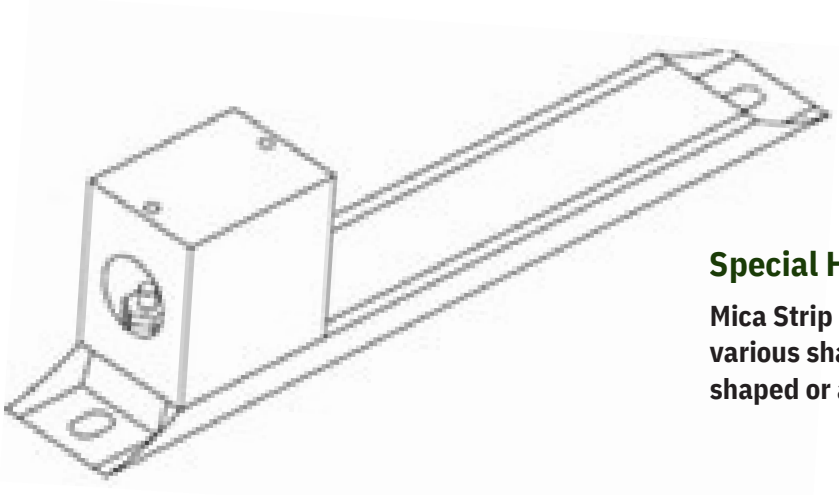
Lead Wire Protection Termination- Lead wires exiting through the heaters can be provided with protective covering of-

Stainless Steel Braid - stainless steel braid provides excellent abrasion protection while allowing the leads to bent in a tight radius

Stainless Steel Flexible Conduit - Flexible conduit provides maximum protection to leads from abrasion but cannot bent as sharply as stainless steel braid.

Copper Elbow and Stainless Steel Flexible Conduit - flexible conduit can be attached with a copper elbow.
Sleeving. Silicon Rubber Fiber Glass Sleeking- Maximum temperature 200°C, can sleeve both leads together or each lead separately. Fiberglass Sleeking- Maximum temperature 240°C,Good for lead protection.

The Terminal Box Terminal boxes serve as a safety element by covering the terminals. Additionally, it prevents spills and leakage from heater connections.



Special Heater Design Options

Mica Strip Heaters can also be designed in various shapes such as Disc shaped, ring shaped or any irregular shape.