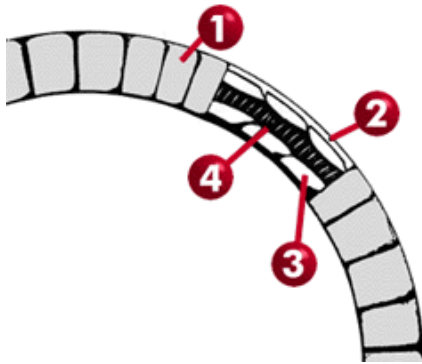


Ceramic Band Heaters



Plastic processing requires high operating temperatures and fast production rates. The **Ceramic Band Heaters** are designed to meet these demands. These heaters are, in effect, high temperature electric furnaces capable of very efficient heat transfer by radiation, conduction and convection. Built-in insulation minimizes unwanted temperature changes along the barrel.



1. Stainless Steel Sheath

Resists rust and high temperatures, and provides firm mechanical support. Easily wraps around barrel due to fluted construction.

2. Thermal Insulation

1/4 inch of ceramic fiber prevents heat loss, thereby lowering energy costs.

3. Ceramic Coil Supports

Designed for their dielectric and thermo-conductive characteristics, the interlocking feature provides flexibility so band wraps easily around barrel.

4. Nickel-Chrome Heating Coil



INSULATION PLUS—The Energy Saver

1. Insulation Plus employs an additional 1/4" of thermal insulation encased in a separate flexible stainless steel shell.
2. Standard 1/4" thick thermal insulation found on all ceramic band heaters.
3. Helical nickel-chrome coil for extended service.
4. Ceramic coil supports.

****Cooler ambient temperature around the operating machines****



Stud Terminals in **Low Profile Box** (1" High) With BX installed



Optional **spring Loaded Latch and Trunnion Lock-Up** For Large Diameter Bands.



Stud Terminals in **Standard Two Terminal Box** (1-3/4" High)



Standard Flange Lock-Up



Stud Terminals in **Standard Three Terminal Box** (1-3/4")



Thermocouple Hole in Gap Shell Overlap With Lock-up

Super Insulation Plus 1 1/4" Thick, 7/8" thermal insulation - up to 40 watts/sq. in.

Super Insulation Plus employs an additional 5/8" of thermal insulation encased in a separate flexible stainless steel shell.

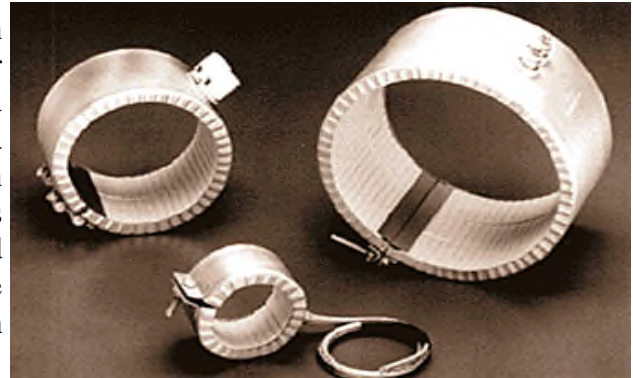
****Maximum energy savings, minimum sheath temperatures****

Ceramic Band Heaters



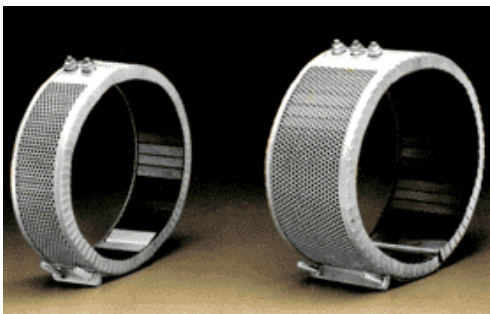
ULTRA THIN CERAMIC BANDS

High performance heater band for processing high temperature engineering resins. "Ultra-Thin" heater bands have the same basic construction as our standard ceramic heaters except they are much thinner and have a high ratio of thermal to electrical insulation. The thin ceramic insulation used results in a lower mass construction, which improves response to control and minimizes temperature lag and overshoot. The backside thermal insulation is highly efficient and results in minimal heat loss and lower sheath temperature.



3/8" Thick, 3/16" thermal insulation, up to 65 watts/sq. in

AIR COOLED CERAMIC BANDS



Super-efficient and economical air cooled ceramic heater bands are designed for use on extrusion machinery or on any heat/cool operation. They feature 63% open perforated metal sheath, which assures maximum surface area exposure.

They also provide the user with a more economical operation, via a rapid heat-up and cool-down feature. Their "Black Star" coating

further increases efficiency. Advantages of air cooled vs. Liquid cooled operation include: lower cost, replaceable heaters, low maintenance, no leak problems, and close temperature control.



SPECIFICATIONS

Temperature - Up to 1200°F

Watt Density -Up to 45 W/Sq. In.

Voltage - Up to 480 V (single or three phase)

Resistance -Tolerance NEMA Standard +10%, -5%

Wattage Tolerance - NEMA Standard +5%, -10%

Maximum Amperage - 25/Circuit

Sizes - 2" dia. And up: 1-1/2" width and up (in 1/2" increments

Terminals - 1/4"-20 post terminals standard

Sheath - Aluminized steel

Lock-up - Flange type steel

Maximum ID - Consult factory

Standard width increments -1/2"

Standard gap when tightened - 1/4"

Thickness - 1/2"