



Ceramic Band Heater offer heater longer life, high processing temperature capabilities and full flexibility for easy of installation. The built-in thermal insulation limits heat losses and conserves electrical energy. A wound nickel chrome resistance wire is strung high temperature ceramic bricks that sit on an insulation blanket of ceramic fiber insulation. The insulation blanket will reduce heat by approximately 20% from un-insulated band heater. This is all mounted into a stainless-steel casing with serrated edges. This provides strength and great flexibility such that the heater can be fully opened for ease of installation. Ceramic Band Heater offers a flexible heating system that

yields efficient transmission of conduction and radiated heat. The heat of the Ceramic Band originates from the inner coils that conduct heat at maximum temperatures. The heated coils evenly deliver heat through the ceramic tiles which radiate energy to the barrel. We offer a variety of Ceramic Band styles from standard to custom configurations. These are available with a number of lead wire options, threaded terminals, terminal boxes and plugs for electrical wiring. They can be made in a large variety of sizes, multiple segment and clamping styles.

## Application

Ceramic Band Heater transmit heat through the surface of the application via conduction or radiation. Ceramic Band heaters used for Plastic Processing machinery, depending upon application, these heaters come with outer heat saving insulation covers, which provides the best combination of physical strength, high emissivity & good thermal conductivity to heat cylindrical parts, good for sheath temperature up to 1600°F (875°F) along with energy saving.

- Plastic Extrusion
- Injection Molding
- Blow-Molding
- Pressure Molding
- Structural Foam
- Food Industry
- Container Pipe and Tank Heating
- Packaging
- Chemical, Oil & Gas Industries
- Film Extruders
- Laboratory Equipment

## Construction Styles



**Type 1**  
One-Piece Band



**Type 2**  
Two-Piece Band

## Terminations

### Screw Terminals:



**Type ST**  
Standard with screw terminal



**Type LW**  
Standard with lead wire



**Type LW**  
Standard with terminal box

### Special Features:



**Type ST**  
Standard with screw terminal



**Type LW**  
Standard with lead wire



**Type LW**  
Standard with terminal box

## Ordering Code

