How To Specify A Ceramic Band Heater

Ceramic band heaters offer several variations in construction, clamping and electrical terminations. For ease of ordering, make a selection from options listed in each of the boxes below.

**Construction Styles**

- One-piece
- Two-piece
- Multiple Sections

(See below)

(Specify number of sections required.)

**Insulation**

- Standard 1/4” insulation (S)
- Double 1/2” insulation (D)

(See below)

**Shell Overlap**

(See page 1-67)

Provides T/C hole. (Specify if required.)

**Termination**

(See page 1-67)

Select termination type from pages 1-68 through 1-74

**Clamping**

- Type B – Built-in bracket (Standard)
- Type S – Built-in bracket with spring loaded screw
- Type L – Latch and trunnion
- Type F – Bent-up flange (Ears)

**Ceramic Band Construction Styles**

**One-Piece Band**

The One-Piece Ceramic Band Heater is the basic design most often specified by OEMs and processors. It is available with all types of insulation, construction styles, clamping or termination variations.

- Min. ID: 2” (50.8 mm)
- Min. Width: 1” (25.4 mm)
- Max. ID: 21” (533.4 mm)

**Two-Piece Band**

The Two-Piece Ceramic Band Heater is commonly used on sizes larger than 21” diameter or when it would be inconvenient to use a one-piece heater. It is available with all types of insulation, construction styles, clamping or termination variations.

- Min. ID: 4” (101.6 mm)
- Min. Width: 1” (25.4 mm)
- Max. ID: 44” (1118 mm)

Larger sizes are manufactured in multiple sections. Watts and volts are specified per each section when ordering.

**Ceramic Band Insulation Options**

**Standard Insulation (S): 1/4”**

Built-In ceramic fiber insulation ¼” thick standard on all Ceramic Bands will reduce power consumption by 25 to 30 percent, and lower external temperatures.

**Optional Double Insulation (D): 1/2”**

For situations requiring additional insulation for lower external temperatures and increased electrical energy savings, Tempco offers Double Insulated Ceramic Bands with a full 1/2” thick ceramic fiber insulation. This will decrease power consumption by 35 to 37 percent when compared to uninsulated band heaters.

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