



# ALFA HEATERS AND CONTROLLERS - F.Z.E

## *Pioneers in Heating Solutions*

### BAND HEATERS

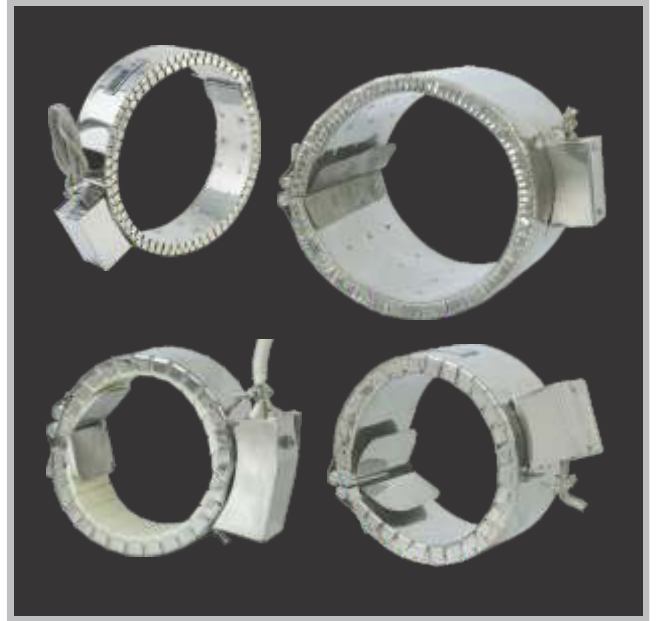
#### CERAMIC BAND HEATERS:

Alfa Heaters and Controllers offer ceramic band heaters that are specifically designed and manufactured to meet the ever increasing demand for energy conservation and to improve operation efficiency. The ceramic Band Heaters transmit heat through both conduction and radiation. The construction is helically wound resistance coil of Nickel chrome wire. This coil is passed through the holes in specially designed ceramic bricks in such a way that the coil is evenly stretched and flexible ceramic heating mat gets formed.

This mat is covered with insulating fiber wool for eliminating heat emission on outer side of the band. Serrated cylindrical stainless steel housing is used to enclose the heating mat along with insulation wool.

This makes the heater very flexible and very easy to install. We can manufacture the heaters with maximum watt density of 7 watt per square centimeter with maximum temperature 760°C.

These are also available with blower. The heaters are without insulation materials and blowers are installed on the outer side of the heater. The ceramic band heaters can be fitted with termination of customers choice.



#### DESIGN FEATURE:

- ❖ Energy saving
- ❖ Minimal heat loss
- ❖ Built-in thermal insulation
- ❖ Uniform temperature
- ❖ Maximum flexibility for easy installation
- ❖ Longer heater life

#### APPLICATIONS:

1. Blow Moulding
2. Injection Moulding
3. Film Extruders
4. Plastic & Rubber processing
5. Heating Pipes
6. Extrusion Barrels & Dies

#### ORDERING INFORMATION:

- 1) Wattage
- 2) Voltage
- 3) Phase -1 Phase / 3 Phase
- 4) Inside Diameter
- 5) Width
- 6) Lead wire Type
- 7) Lead wire Length
- 8) Thermocouple Location
- 9) Construction-one piece / Two piece
- 10) Lead wire Insulation - Fiber Glass  
Sleeving - BMS Braided metal Sleeve -  
Armour Type
- 11) Clamping - Screw Terminals - Euro Plug -  
Terminal Box protection

#### APPLICATIONS:

- ❖ Wire & Cable Industry
- ❖ Heating Barrels of Plastic Injection Moulding Machines & Extruders
- ❖ Die & Die holders heating of Plastic Extruders & Blow Moulding Machines
- ❖ Heat Treating of pipes
- ❖ Any application requiring heat applied to a cylindrical surface.

#### TYPE OF TERMINATIONS



Ceramic Band General Purpose  
Terminal Boxes



Ceramic Band Clamping  
Variations Spring Loaded



Ceramic Band Terminations  
(Screw Terminals)



Ceramic Band Heater With  
Inside SS Cover

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