



Band Heaters

Mica Insulated Bands / Mineral Insulated Bands

Argus Heating distributes the HOTWATT and TEMPCO range of U.S.A. made cylindrical Band Heaters. These are competitively priced high-quality Band Heaters. Custom designed bands are available for special applications. Standard items are available ex-stock from the U.S.A.



Applications

Typically used to heat:

- Plastic Industry Heaters
- Injection Moulding
- Blow Moulding
- Plastic Extrusion
- Pipe or Tank Heaters
- Fluidised Bed Heaters
- Drum Heaters
- Food Industry Container Heaters
- Pharmaceutical Equipment Heaters
- Processing Equipment Heaters

Features

One-piece Band Heater - diameter from 25mm to 355mm max.

Two-piece Band Heater - diameter from 75mm to 825mm max.

Band Heater widths - from 25mm to 203mm max.

Custom holes and cut-outs are available for thermocouples on request.

Terminal posts or terminal leads - leads can be covered with a braided metal sheath or a stainless steel conduit.

Construction

Corrosion resistant steel sheets enclosing mica-clad elements.

Tightened around the cylinder using radial lock-up tabs, or roller clamps.

Element Type	Watts density (W/cm ²)	Diameter size (mm)
Mica Band	0.78 to 6.2	15 to 55
Mineral Insulated Band	3.7 to 9.4	25 to 285

The following table shows the relationship between the operating temperature and watt density based on a 6W/cm² Band Heater operating at 150°C.

Operating Temperature °C	150	200	260	315	370
Watts/cm ²	6	5	3	2	1.5

Please contact Argus Heating to discuss your application and heating needs.