



Band Heaters

Argus Heating distributes the Hotwatt and Tempco range of US-made cylindrical band heaters. These high quality band heaters are competitively priced. Custom designed bands are available for special applications. Standard items are available ex-stock from the US.

Applications

Typical applications include:

- Plastic industry heaters
- Fluidised bed heaters
- Plastic extrusion
- Pipe or tank heaters
- Pharmaceutical equipment heaters
- Injection moulding
- Blow moulding
- Drum heaters
- Food industry
- 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.



Cylindrical band heaters are used across a number of industries and applications. Custom designed bands are also available.

Watt density

Element type	Watt density (W/cm ²)	Diameter size (mm)
Mica band	0.78 to 6.2	22 to 355
Mineral insulated band	3.7 to 9.4	25 to 355

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.