

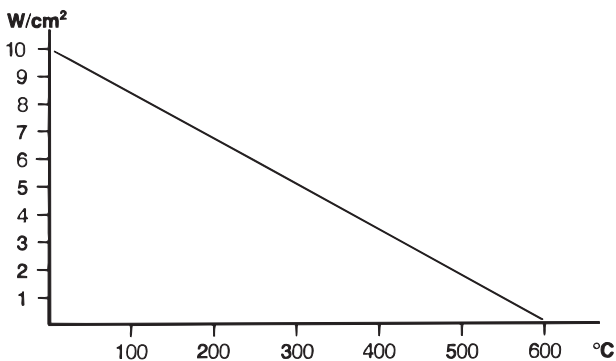
CERAMIC BAND HEATERS

A ceramic band heater consists of ceramic blocks, in which a heating coil is drawn. The construction is encased in a steel band, which is held tightly around the object to be heated using fittings.

Ceramic band heaters can be exposed to maximum operating temperatures of 600°C. Degree of protection is IP20. Minimum diameter: Ø65 mm and minimum width: 15 mm.

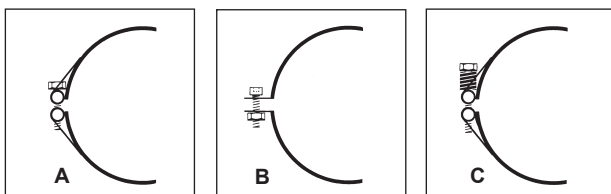
By mounting <10mm insulation on the outside of the ceramic band heater, power can be reduced by up to 25%.

Max. permitted surface load



Types of fittings for ceramic band heaters:

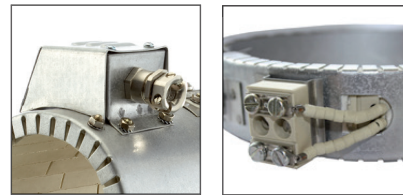
A variety of fittings is available, depending on the physical size on the band heater and/or surface load.



- A: Fitting bolts recommended from Ø65mm and up
- B: Fitting flaps are used up to Ø150mm and provide reasonable tightening
- C: Fitting bolts with spring elements can be used from Ø65mm and aim for continuous tightening of the ceramic band heater at temperatures up to approx. 300°C

Termination:

Ceramic band heaters normally terminated with one of the following options:



1. Connection box with integrated terminal board

This type is used when the heating element is freely accessible and where the installation is permanent

2. Terminal board - without connection box

If the ceramic band heater is mounted behind guard and shielded from contact with current-carrying parts, it is possible to use a terminal board.

For both solutions, the following applies:

The size and material of the terminal board depends on operating conditions. For both types, the supply line is replaceable.

