



Mica plate heating elements



Functional description

Mica plate heating elements are used for heating flat surfaces and in slots. The applications include printing presses, ovens, packaging machines and boilers. Plate elements are characterised by optimum thermal conductivity and even heat distribution, a high electrical insulation value, constant performance over the life of the unit and easy installation.

Technical description

The mica plate elements can be produced with different dimensions and in various shapes. The minimum size is 40 x 20mm and the maximum width is 500mm. The length is not subject to a limit. The different shapes we offer are shown in figure 1 (see below). Holes and slots can be provided in the surface of the element in accordance with customer specifications. The power rating depends on the project specifications, up to a maximum load of approx. 3.5 W/cm². The maximum temperature is approx. 400°C.

Figure 1

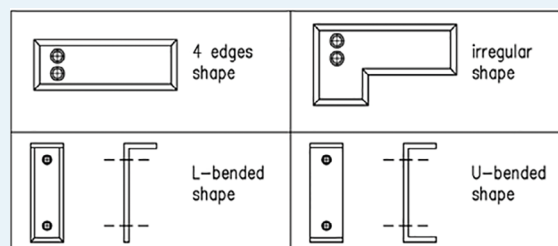


Figure 2

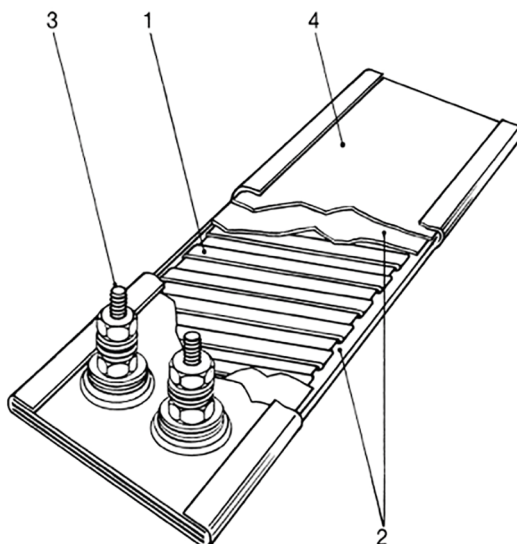


Plate element design

1 Resistance wire	Made of nickel chrome 80/20 DIN
2 Electrical insulation	Mica
3 Supply connection point	See figure 3
4 Outer sheath	Made from galvanised steel. Due to its high thermal conductivity, this material ensures optimum heat transfer.
5 Power cable	(Optionally) suitable for high temperatures. Internal conductors made from nickel-plated copper or pure nickel (for the toughest applications). Fibreglass and teflon insulation, braided metal outer sheath.

Figure 3

