

MICA HEATERS

Description

The Mica heaters are etched foil elements, sandwiched between layers of mica. The heater can be rigid or soft in order to fit the application.

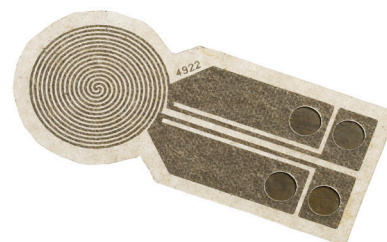
In all cases the mica heater need uniform mechanical clamping to give the best longterm performance.

Technical specification

Max element temp.	600°C (1112°F)
Min. element temp.	-150°C (-238°F)
Dielectric strength at 20°C AS per ASTM KV/mm	>25
Thermal conductivity at 100 °C W/(m•K)	0.30
Moisture absorption as per ASTM D-570-63. (24h immersion at 23°C)	<1%
Waterproof as per IEC 335-1 sect. 15-16	NA
Constant of dielectricity at 25°C, 50Hz	4-5.5
Bending radius, min	NA
Max. element width	900 mm
Power density	5 W/cm ² (depending on application)
Resistance tolerance	As standard, ±5% of nominal. Tolerance down to ±2% available
Rated voltage	Up to 1000 V AC/DC single or 3 phase
Other	Thickness min. 0,1 mm



Product photo



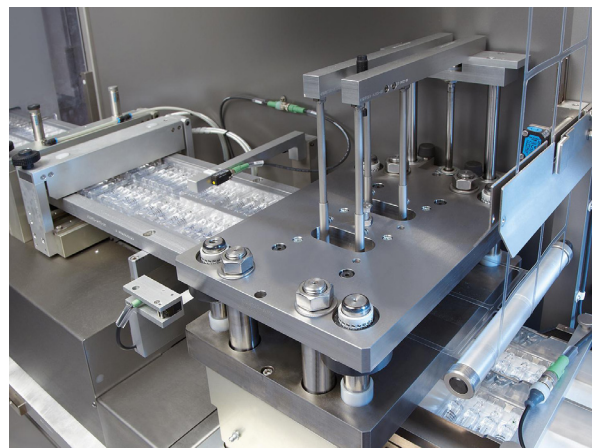
Benefits & Fields of Application

BENEFITS

- High power density
- Possibility to be used assembled in open air
- High working temperatures
- Fast warm up

FIELDS OF APPLICATION

- Packing, strapping and sealing equipment
- Food service appliances
- DNA analyse
- Semiconductor industry
- Radiators, heating panels



Application photo