



BACKER
CALESCO

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.

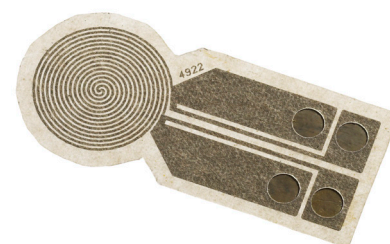
In all cases the mica heater need uniform mechanical clamping to give the best longterm performance.

Technical specification

| | |
|---|---|
| Max element temp. | 600°C (1112°F) |
| Min. element temp. | -50°C (-58°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 | 600 mm |
| Power density | 5 W/cm ² (depending on application) |
| Resistance tolerance | As standard, ±10% of nominal. Tolerance down to ±2% available |
| Rated voltage | Up to 1000 V AC/DC single or 3 phase |
| Other | Thickness min. 0,5 mm |



Product photo



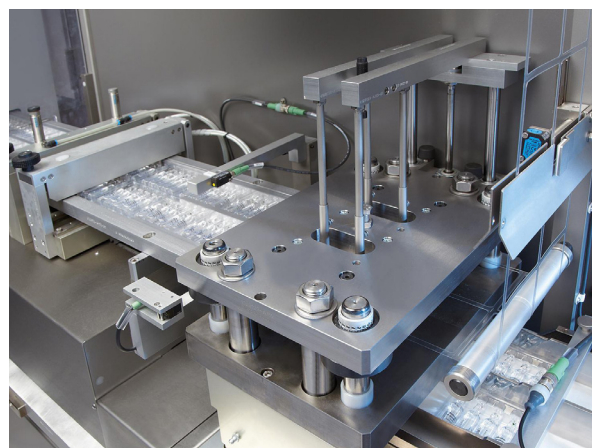
Benefits & Fields of Application

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