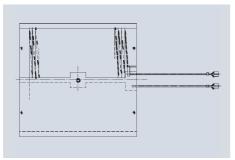
Ω DBK





MICA Heaters

Description

Flat, rectangular surface heaters that are mounted to the outside of the body to be heated.

Two Mica plates sandwich a wire heating element formed around a Mica former. The heater may have an optional protective steel sheath.

Features

- Controllable heat by resistance wire technology
- Resistor wound on Mica plate, outside insulated with two mica plates
- Heat transfer mode conduction
- Uniform heat distribution over entire contact surface

Design Characteristics

- Operating temperature up to 350°C
- Power Density up to 4 W/cm²
- Protection: IP20 without metal sheath IP40 with metal sheath
- Sheath: stainless steel 1.4301 0.3mm stainless steel 1.4301 0.5mm galvanized steel sheet 0.5mm aluminium sheet 0.6mm
- Electrical connection: lead wires,

length as desired blade terminal





Description

Flat, circular heaters. If required the heater may have a protective steel sheath.

Features

identical with those of flat (rectangular) heaters

Design Characteristics

- Available diameters 50, 80, 85, 90, 100, 110, 120, 130 140, 160mm
- Center bore 10-15mm diameter
- Other design characteristics identical with those of the flat heating elements

Applications

- Tools and dies
- Machines and equipment
- Laboratory and medical apparatus
- Liquid containers

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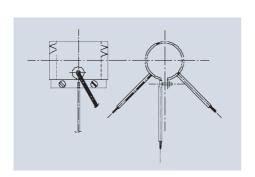
Industrial Heating

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Cylinder Heaters





Description

MICA Heaters

Tubular bent flat heaters for heating of cylindrical bodies. The steel sheet covering provides stability and can be used for clamping the unit to the body to be heated.

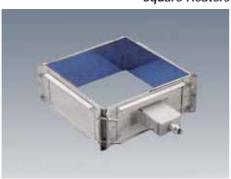
Features

- Controllable heat by resistance wire technology
- Heat transfer mode conduction
- Uniform heat distribution over entire contact surface

Design Characteristics

- Minimum diameter 30mm
- Height 30 to 500mm
- Steel sheet clamp with lead wires connection leads on one or two sides, lead length as desired
- Steel sheath with additional clamp and cylinder screws
- Leads one side or two sides, or with terminal box and cable gland
- These elements are manufactured 2 to 3mm smaller than the nominal diameter in order to ensure a tight fit
- Dimensioning and configuration according to customer requirements

Square Heaters



Description

Square arrangement of flat heaters with tension clamp for heating square blocks.

Features identical with those of flat heaters

Design Characteristics

- Heating element with additional clamp
- Additional cutouts possible
- Operating voltage up to 500V
- Electrical connections: leads, length as desired terminal box with cable gland

Application

- Tools and dies
- Machines and equipment
- Laboratory and medical apparatus
- Liquid containers

Inquiries and orders should indicate

- Shape, dimensions, sheath material, type of termination
- Voltage and performance, lead length
- Desired quantity

DBK will gladly assist you with the design and calculation of your heater requirements or will provide the complete heater solution.

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