MOHR & CO

Heating cartridges series HM-HPP

for operating temperatures up to 750°C

Description:

Our high-performance heating cartridges are characterised by their high compression and thus particularly efficient heat transfer and temperature distribution. The use of high-quality materials and a strictly controlled manufacturing process guarantee high stability.

Features:

- Temperatures up to 750°C possible
- produced exclusively with ground surface
- gas- and liquid-tight welded cartridge base
  optionally with integrated thermocouple
- potential-free insulated from the sheath or connected to the sheath
- optionally with integrated Pt100
- customised solutions possible
- different versions possible (see back page)

Applications:

Plastics technology: extrusion die heaters, press moulds etc.
Apparatus engineering and laboratory technology: heating plates, sterilising baths etc.
Woodworking machinery industry: hot glue, melting. And applicators etc.
Packaging equipment: embossing and welding stamp heaters etc.
Foundry technology: core moulds, die casting machines etc.

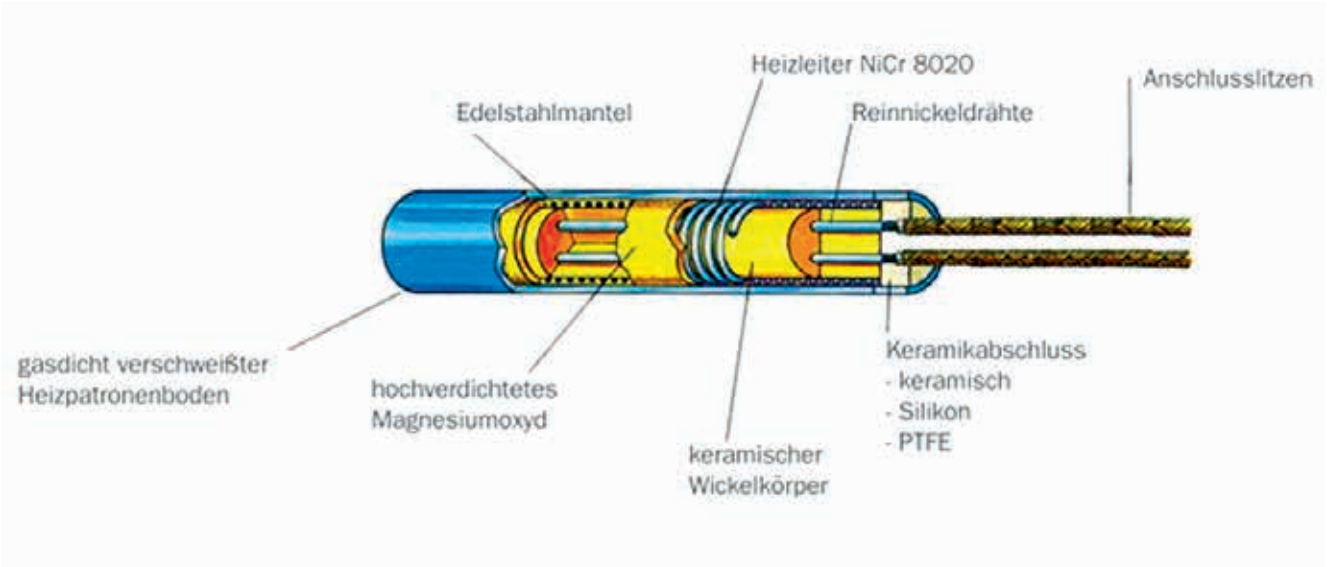
Made in Germany

Technical data HM-HPP

Nominal voltage	max. 480 V
Diameter	2,8 - 32,0 mm, -0,02 / -0,06 mm
max. Lenght	3000 mm, + – 1,5%
Unheated zone floor	6 up to 12 mm
Unheated zone head	5 up to 16 mm
Power density	max. 40 W / cm^2,+ – 10%
Jacket material	1.4541
Material heating conductor	NiCri 8020
Sheath temperature	max. 750°C

Connection cables	Temperature	Sealings	Temperature
Silicone strand	180°C	Silicone grouting	180°C
Teflon strand	260°C	Silicone plug	180°C
Glass silk strand	350°C	Teflon potting	260°C
High-temperature stranded wire	650°C	Teflon plug	260°C
Beperite nickel strand	700°C	Ceramic head	700°C

Attachment versions: Pipe section, angle block, right-angled turned part or pipe bend.



The small distance between the heating conductor and the sheath ensures both excellent heat transfer and very good control behaviour. Due to this special design, high power can be accommodated in a very small space.

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