



## Heating cartridge

„HLP“ High performance heating cartridge

„HP/S“ heating cartridge special

### PRODUCT FEATURES

- ✓ High surface load
- ✓ Different connection voltage
- ✓ Large selection of diameters in metric or inches
- ✓ Variable lengths
- ✓ Power compensation
- ✓ High quality materials
- ✓ High protection class
- ✓ Integrated temperature sensors
- ✓ Custom design
- ✓ Made in Germany

### TECHNICAL DETAILS

#### Connection voltage

24 Volt AC, 230 Volt AC, 400 Volt,  
Special voltage according to customer  
specifications

#### Material

Stainless steel and Incoloy

#### Heating wire

80/20 NiCr resistance wire  
Melting temperature 1400°C

#### Temperature

Temperature range up to 750°C

#### Heating capacity

Surface load 30,0 W/cm<sup>2</sup>  
Process dependent  
Power distribution, compensation

#### Heating cartridge

Diameter 4,0 mm up to 32 mm

#### Heating cartridge length

From 30 mm up to 6000 mm

#### Connection type

Straight wire outlet  
Elbow piece 90°, pipe section, Pipe elbow  
Connection on both sides

#### Electrical connection

Glass fiber insulated wire  
PFE- wire, teflon- wire, silicone cable  
Pure nickel wire with ceramic beads  
Rigid pure nickel wires  
Different supply protection types

#### Special feature

Connection flange, holding tab,  
Thread adapter, special versions