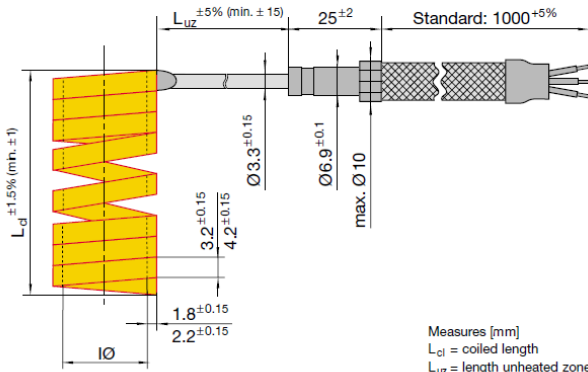


hotspring® / F / 2.2 x 4.2



Approximate formula
for calculation the stretched heated length of coiled heaters [mm]

$$(\text{I}\varnothing + 2.2) \cdot \pi \cdot \text{number of windings} = \text{heated length}_{\text{straight}}$$

Technical data

- humidity-resistant hotspring® coil heater with flat cross-section 2.2 x 4.2 mm
- Sheath material: Stainless Steel or Nickel
- Insulation sheath: high-compressed MgO
- Heating conductor compound: NiCr 8020
- Sheath temperature of heating element: max. 750 °C
- Voltage: max. 250 V, Standard: 230 V
- Power tolerance (cold): ± 10% (< on request)
- High voltage strength (cold): min. 800 V-AC
- Insulation resistance (cold): ≥ 5 MΩ at 500 V-DC
- Leakage current (cold): ≤ 0.5 mA at 253 V-AC
- Exit axial, radial or tangential, see page 6
- max. total length straight: 3000 mm
- min. length of unheated zone L_{uz}: 25 mm plus connection head 25 mm
- Length tolerance
heated zone: ± 1%
unheated zone: ± 5%
- Inner diameter tolerance
without reflection tube:
up to IØ 12 mm -0.05/-0.20
up to IØ 30 mm -0.10/-0.30
up to IØ 50 mm -0.20/-0.40
> IØ 50 mm on request
with reflection tube: +0.05/+0.15
- Sheath surface load according to operating temperature and heat dissipation, max. see page 5
- minimum bending radius (internal):
heated zone: 4 mm
unheated zone: 4 mm
- Connection versions see page 20
- deliverable with or without integrated thermocouple Fe-CuNi (type J, Standard), Fe-CuNi (type L) or NiCr-Ni (type K)
(ungrounded (standard) or grounded)
- deliverable with reflection tube
- can be delivered with clamping band and clamping element
- optional IP 68 water-immersion-protected with water proof connection zone, connection leads PTFE insulated Ni-leads on request

Other dimensions and product varieties on request.
We reserve the right to change technical details.
Please note the installation and storage instructions.

Order Details

hotspring®/F/2.2 x 4.2

- Application :
+ Inner-Ø:
+ Coiled length:
+ Position of coils:
+ Wattage:
+ Voltage:
+ Exit:
+ Connection length:
+ Thermocouple:
+ Reflection tube:
+ Length of unheated zone:
+ Clamping band:
+ Clamping element:
+ IP:
+ Quantity: