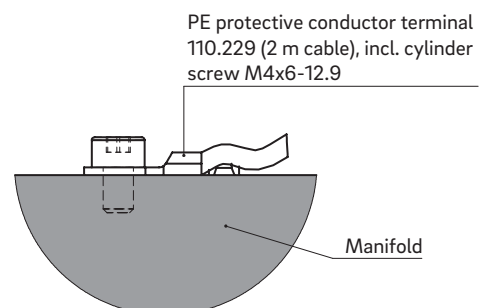
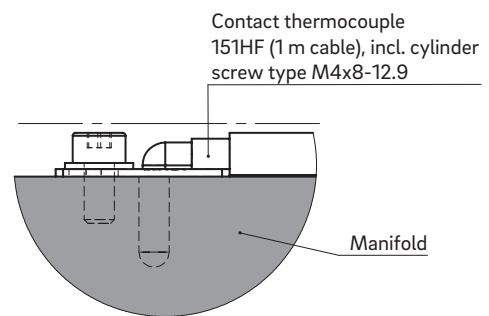
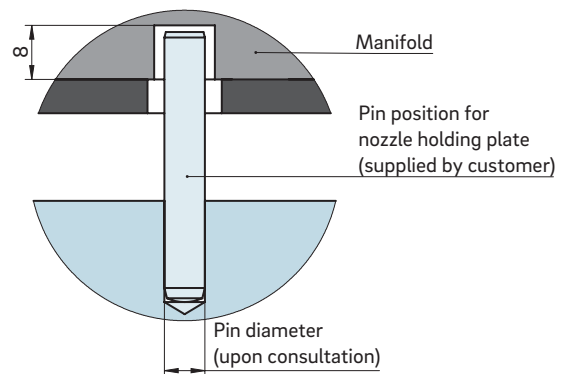
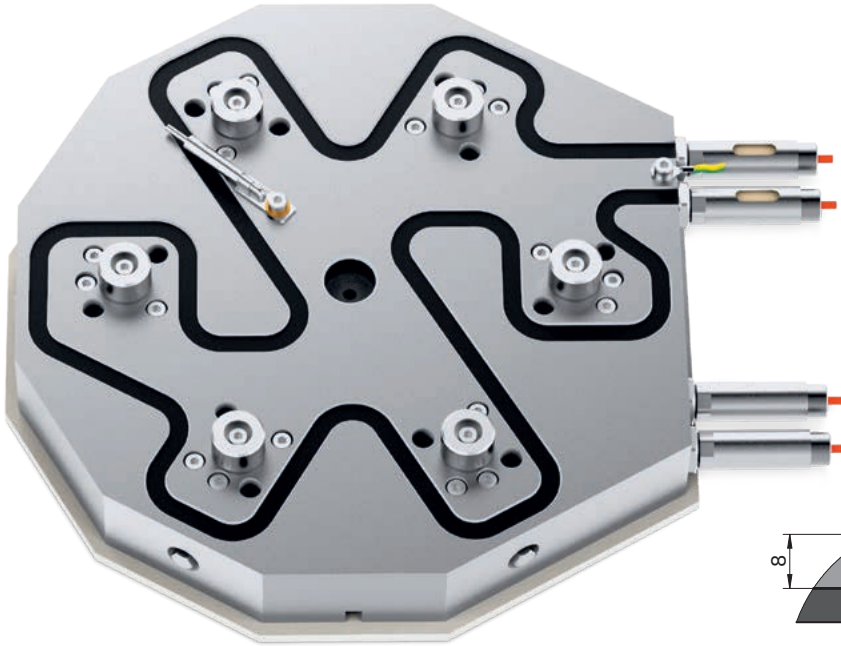




## Star manifold type SCP/SDP/SEP



### TECHNICAL DATA

#### SCP/SDP/SEP

**Manifold height (VH)** SCP: 36 mm  
SDP: 46 mm  
SEP: 56 mm

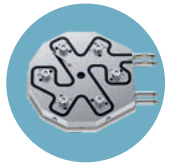
**Operating voltage** 230 V<sub>AC</sub>\*

**Manifold length (VL)** ØTK + 2 × DS

The heating output of each control circuit is calculated individually.

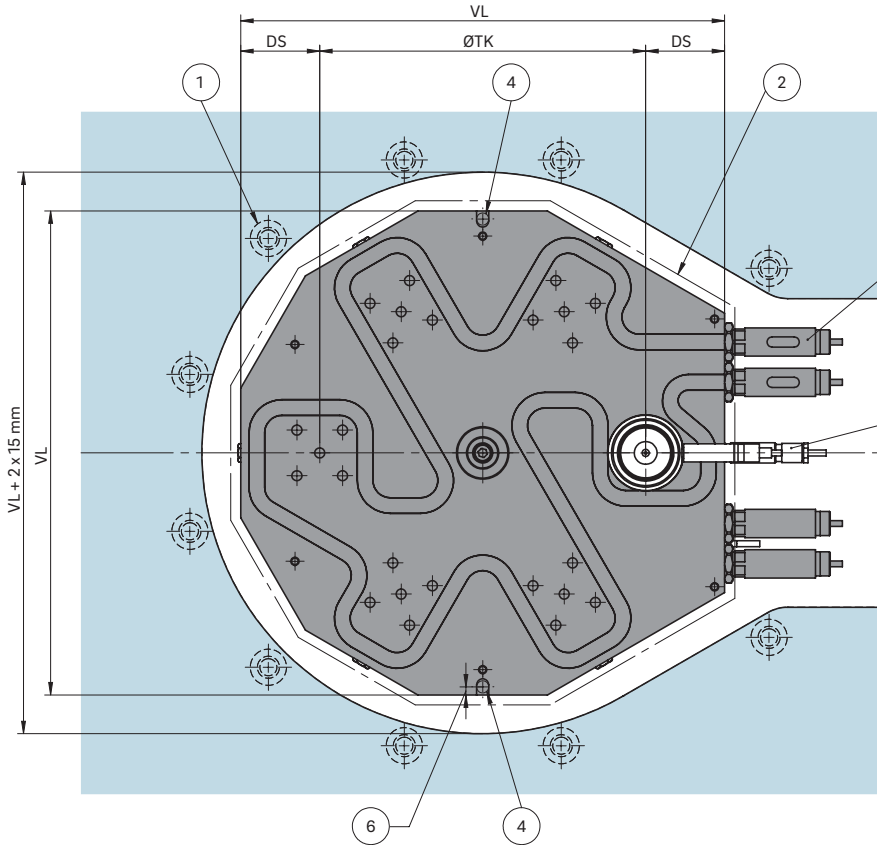
\*Volts alternating current

**WEBCODE**  
25100



## INSTALLATION

Nozzle tip view

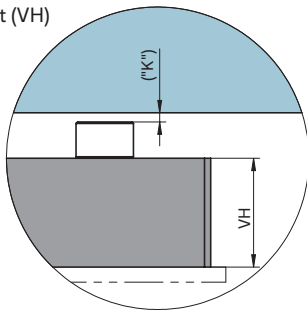


DS Edge distance:  
 a. min. 35.0 with nozzle size ≤ 6  
 b. min. 45.0 with nozzle size 8 or 10  
 c. min. 50.0 with nozzle size ≥ 12

ØTK Pitch circle diameter

- ① Screw connection close to manifold
- ② High-temperature insulation plate
- ③ Heating connections
- ④ Possible pin position
- ⑤ Opening and plug location dependent upon nozzle type

Manifold height (VH)



Dimension "K" required for heat expansion is to be ensured by grinding the pressure piece (12 + 0.1 mm)! Determine the difference between the height of the manifold system and the height of the frame plate when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

| VH    | ΔT (°C) | 100   | 150   | 200   | 250   | 300   | 350   |
|-------|---------|-------|-------|-------|-------|-------|-------|
| 36 mm | K (mm)  | 0.021 | 0.059 | 0.098 | 0.137 | 0.177 | 0.217 |
| 46 mm | K (mm)  | 0.033 | 0.078 | 0.124 | 0.170 | 0.218 | 0.264 |
| 56 mm | K (mm)  | 0.046 | 0.097 | 0.150 | 0.203 | 0.258 | 0.311 |

Design examples/Balancing

| Type  |  | SCP = 36 (VH)<br>Melt channel<br>Ød in mm | SDP = 46 (VH)<br>Melt channel<br>Ød in mm | SEP = 56 (VH)<br>Melt channel<br>Ød in mm | Number<br>of drops |
|-------|--|---|---|---|--------------------|
| S_P3B |  | ≤ 10                                      | ≥ 12 to 16                                | ≥ 16                                      | 3                  |
| S_P6B |  |   | ≤ 8                                       | ≤ 10                                      | 6                  |
| S_P8B |  |   | ≤ 8                                       | ≤ 10                                      | 8                  |

B = balanced