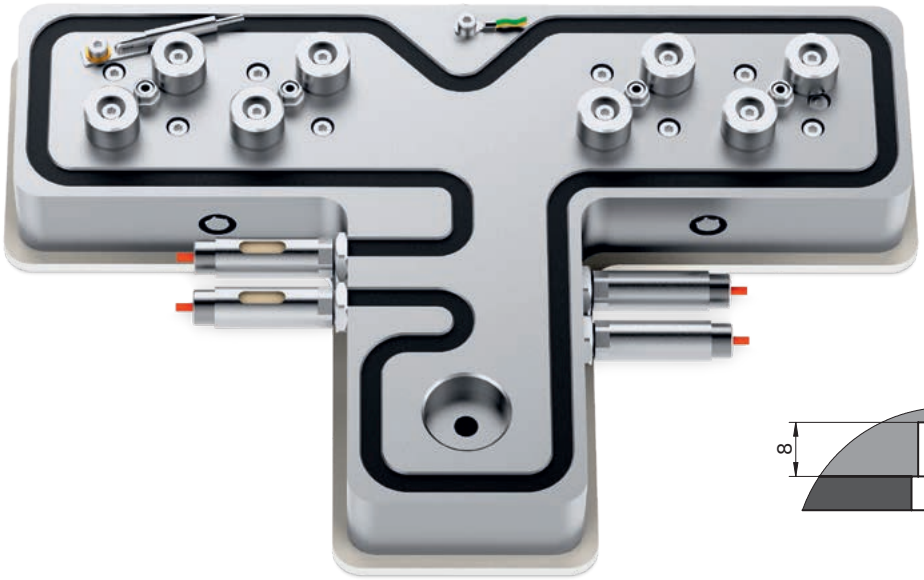
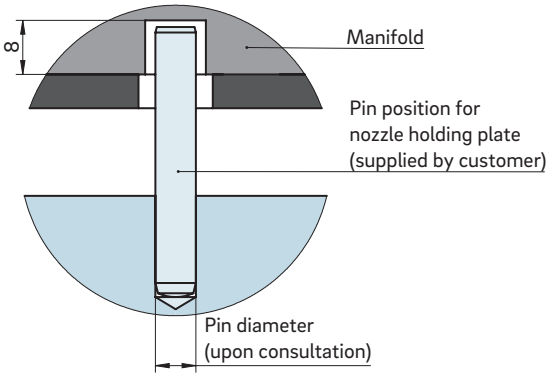
T-manifold type NTCP/NTDP/NTEP





TECHNICAL DATA

NTCP/NTDP/NTEP

Manifold height (VH)	**NTCP:** 36 mm **NTDP:** 46 mm **NTEP:** 56 mm
Operating voltage	230 V_{AC}*
Manifold length (VL)	S1 + 2 × DS
Manifold width (VB)	T + 2 × 40 mm

The heating output of each control circuit is calculated individually.

*Volts alternating current

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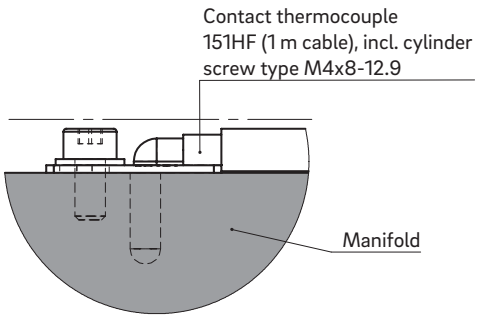
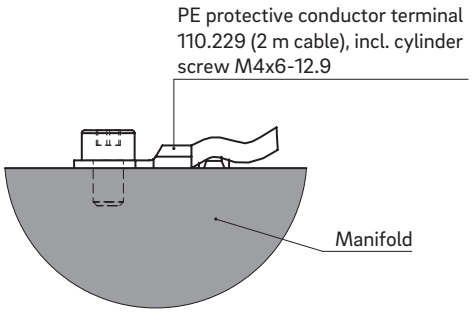
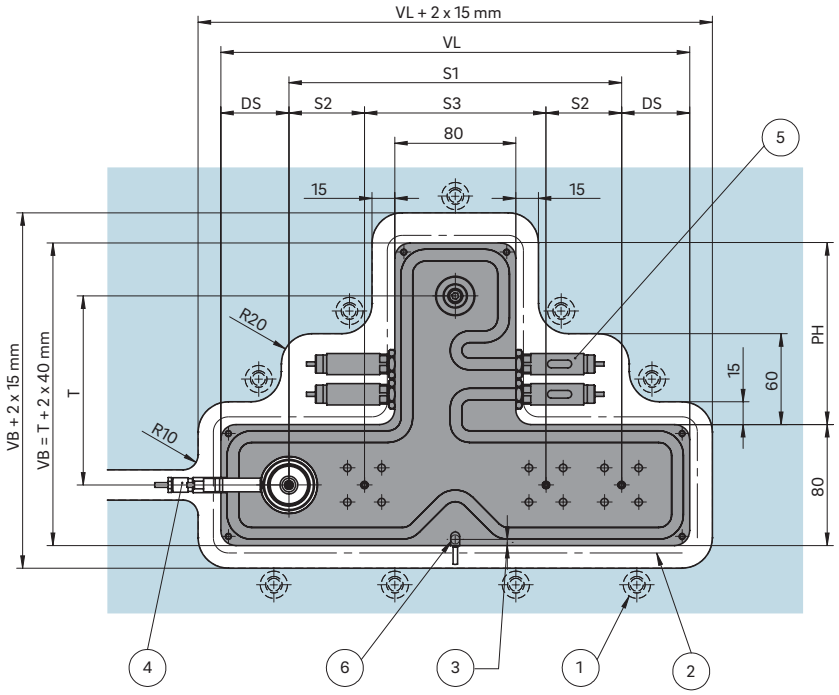




INSTALLATION

Nozzle tip view

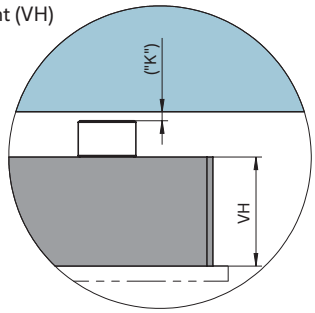


DS Edge distance:
a. min. 35.0 with nozzle size ≤ 6
b. min. 45.0 with nozzle size 8 or 10
c. min. 50.0 with nozzle size ≥ 12

T Distance from the connecting nozzle to the nozzle row

① Screw connection close to manifold
② High-temperature insulation plate
③ Pin position "SP" = d/2 + 1 mm
④ Opening and plug location dependent upon nozzle type
⑤ Position of the heating connections with PH ≥ 100
⑥ Position of the heating connections with PH ≤ 100; different heating connection positions require consultation with the design office

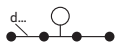
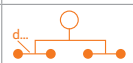
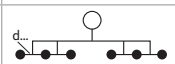
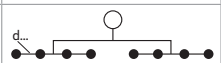
Manifold height (VH)



Dimension "K" required for heat expansion is to be ensured by grinding the pressure pad (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		NTCP = 36 (VH) Melt channel Ød in mm	NTDP = 46 (VH) Melt channel Ød in mm	NTEP = 56 (VH) Melt channel Ød in mm	Number of drops
NT_P2B		≤ 8	≥ 10 to 12	≥ 16	2
NT_P4–		≤ 8	≥ 10 to 12	≥ 16	4
NT_P4B		≤ 8	≥ 10 to 12	≥ 16	4
NT_P6T		≤ 8	≥ 10 to 12	≥ 16	6
NT_P8T		≤ 8	≥ 10 to 12	≥ 16	8

B = balanced T = partially balanced – = not balanced