Straight manifold type NGCP
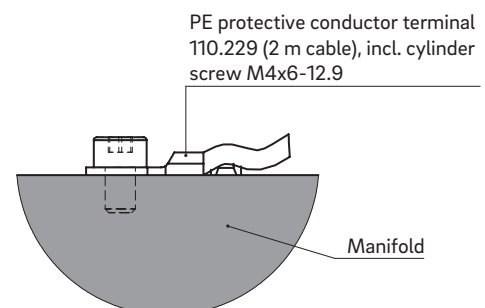## Manifold length (VL) 410-510

Manifold

Pin position for nozzle holding plate (supplied by customer)

H7
∅ 6 m6
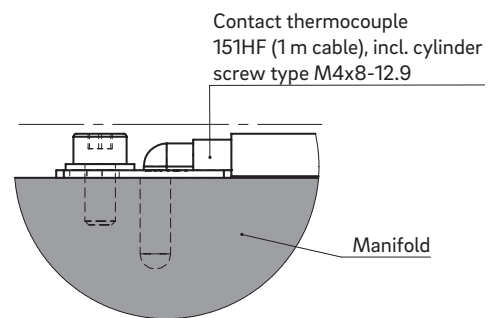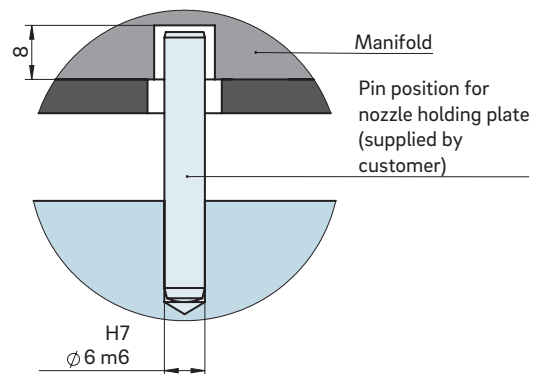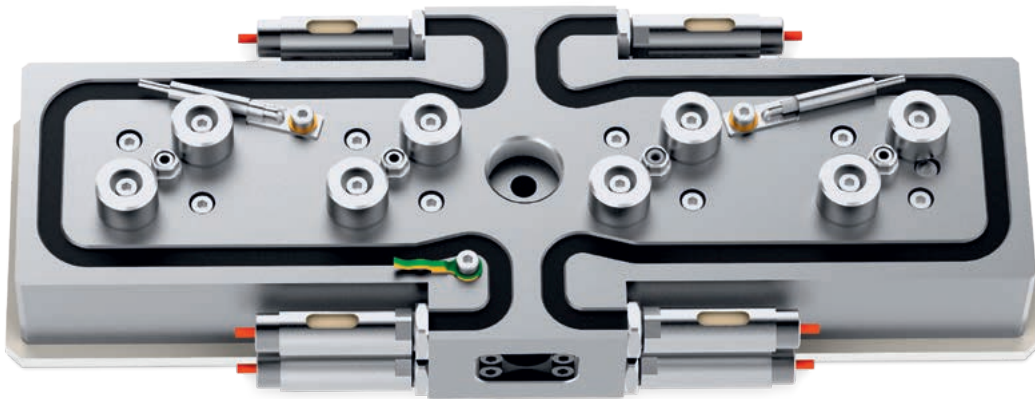
TECHNICAL DATA

NGCP VL 410-510

Manifold height (VH)	36 mm
Operating voltage	230 V_{AC}*

Manifold length (VL)	410	460	510
Control circuits	2	2	2
Power (watts) per control circuit	2 × 850	2 × 950	2 × 1000

*Volts alternating current

Contact thermocouple 151HF (1 m cable), incl. cylinder screw type M4x8-12.9

Manifold

PE protective conductor terminal 110.229 (2 m cable), incl. cylinder screw M4x6-12.9

Manifold

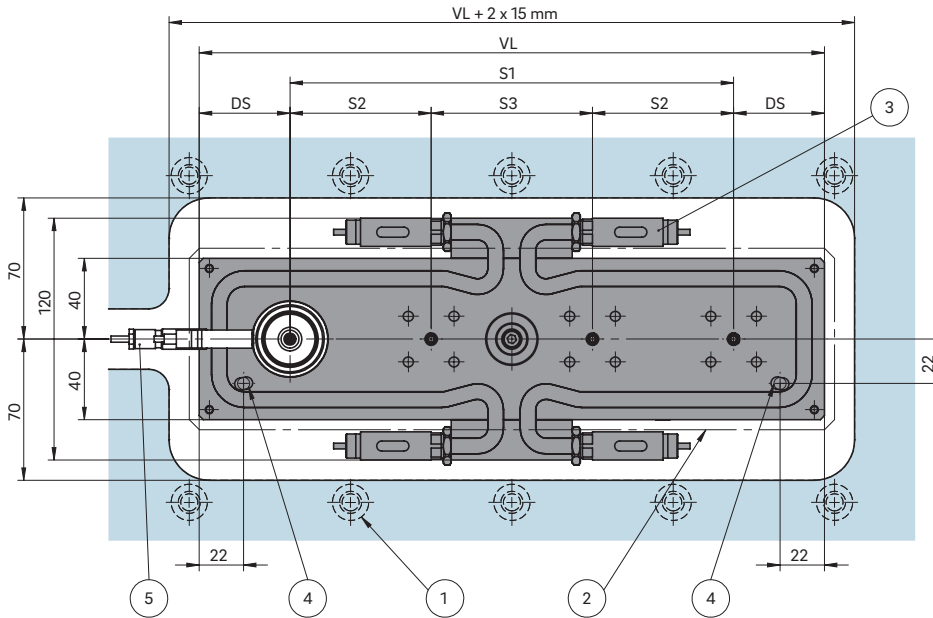**WEBCODE**
33020

INSTALLATION

Nozzle tip view

DS   Edge distance:
a. min. 35.0 with nozzle size ≤ 6
b. min. 45.0 with nozzle size 8

S1   Largest pitch (max. pitch)
S2   Pitch between the nozzles
       (min./max. pitch)
S3   Pitch between the nozzles, taking
       connecting element and spacer into
       account (min./max. pitch)

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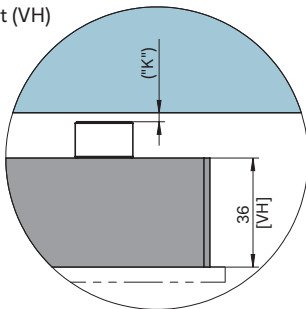
Dimension "K" required for heat expansion is to be ensured by grinding the pressure pad (12 + 0.1 mm)! Determine the difference between the height of the manifold system and the height of the frame plate when installed! ΔT specifies the temperature differential between the processing temperature and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

Design examples/Balancing

Type		Melt channel Ød in mm	Number of drops
NGCP1B		≤ 8	1
NGCP2B		≤ 8	2
NGCP4B		≤ 8	4
NGCP6T		≤ 8	6
NGCP8T		≤ 8	8

B = balanced   **T** = partially balanced