# Hot runner nozzle type 5SMF-K/5DMF-K

Open system nozzle with thick-film heating element (BlueFlow®), not screwed to the manifold

## TECHNICAL DATA

**5SMF-K/5DMF-K**

| | |
|---|---|
| **Melt channel Ød** | 4.8 mm |
| **Nozzle type** | SMF – open with tip<br>DMF – open with straight outlet |
| **Operating voltage** | 230 $V_{AC}$* |

**Nominal length of the nozzle (L): 30 mm**

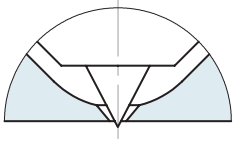
*Volts alternating current

## NOTE

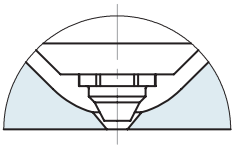
Can **also** be used laterally.

***BlueFlow® hot runner nozzle type SMF/DMF is not intended for sale or use in the USA or Canada!***

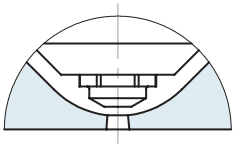
SMF – open nozzle with tip
version "Tip"
Antechamber version A



DMF – open nozzle with straight outlet
version C
Antechamber version A



DMF – open nozzle with straight outlet
version A
Antechamber version C



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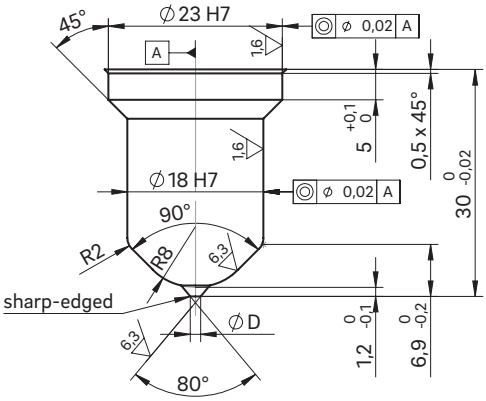
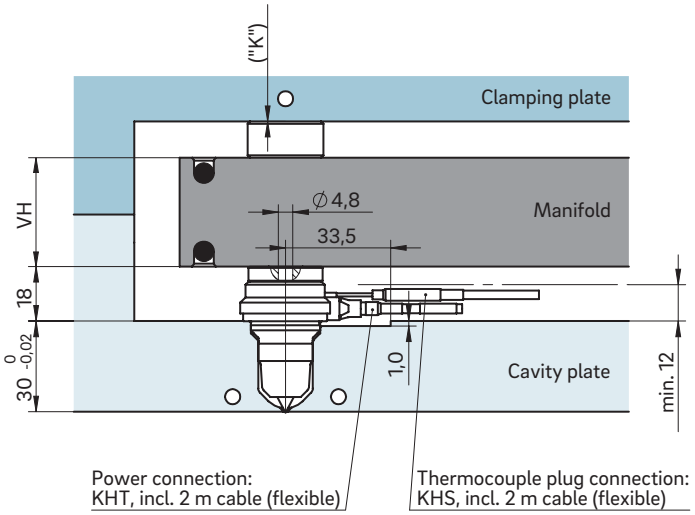
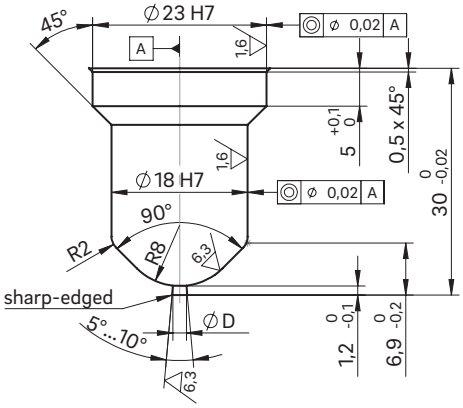
## INSTALLATION

Open nozzle with tip
Nozzle type version C
Antechamber version A

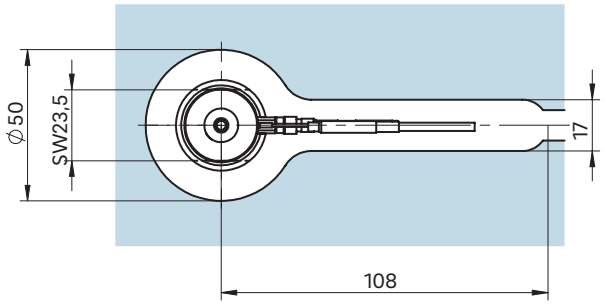



Open nozzle with straight outlet
Nozzle type version A
Antechamber version C




Example cutout for nozzle head, power and thermocouple plug connections




SW = flat area on nozzle head

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 clamping 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 |