



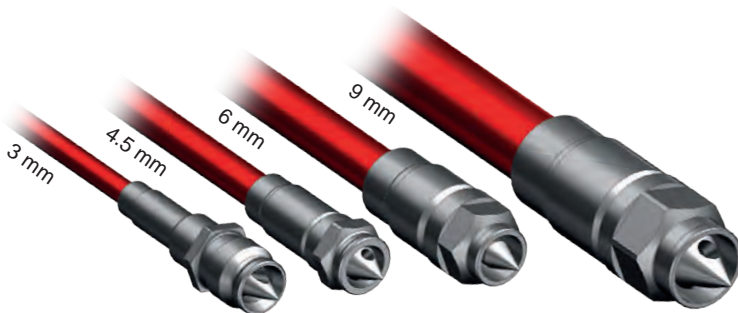
HPS III-MV multi-tip nozzle

The powerful and variable solution for standard materials and technical resins



HPS III-MV – flexibly adaptable to your application

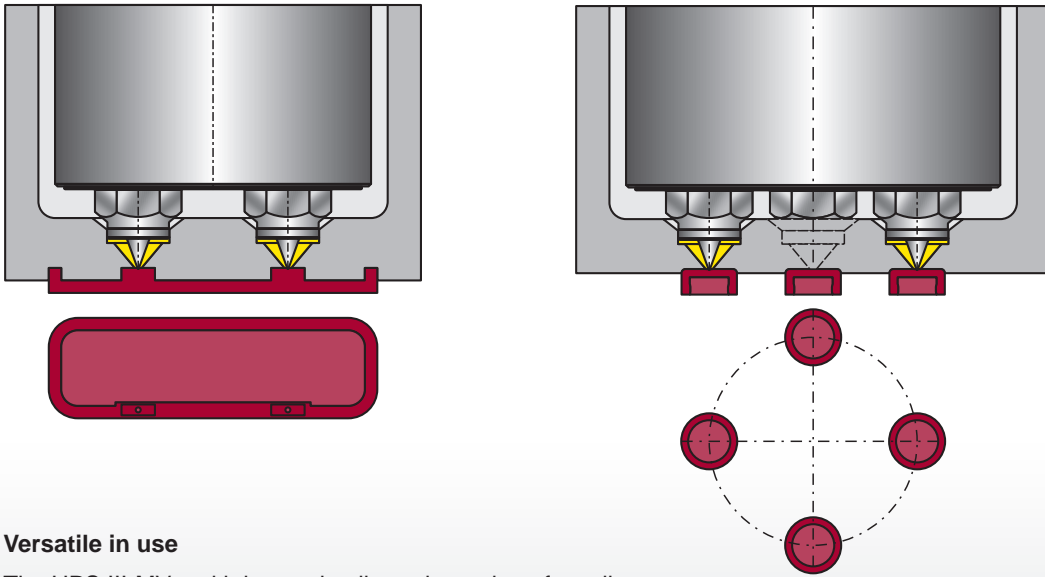
The HPS III-MV multi-tip nozzle has been designed as a flexible standardized modular concept. With different nozzle body diameters, tip insert sizes, nozzle lengths as well as configuration-specific flow channel diameters a perfect adaption to your application requirements is possible. Beside the processing of standard materials the powerful heating technology allows the reliable processing of technical resins with narrow processing windows as well as fibre-reinforced materials.



Standardized modular concept

By choosing between four different tip insert sizes with adapted flow channel diameters a broad range of shot weights can be covered.





Versatile in use

The HPS III-MV multi-tip nozzle allows the gating of small parts with close distances between cavities as well as the multi-point gating of single parts.

Product features + Benefits



Perfectly adaptable to application, shot weight and material

Flexible modular system. Two nozzle body sizes, four tip insert sizes and four nozzle lengths for gating of 2 up to maximum 6 parts with pitch diameters from 10.3 to 25 mm. Flow channel diameter adapted to tip insert size. Broad possible shot weight range.



Stable temperature profile due to powerful direct heating

Coil heaters and thermocouples directly integrated into precision-machined cutouts in the melt bearing pressure tube. Very even temperature profile. Ideally suitable for the processing of technical resins with narrow processing windows as well as fibre-reinforced materials as used for electronic parts, technical parts and automotive parts.



Low residence time for the melt

Balanced and compact melt distribution already integrated into the nozzle reduces the complexity of the main manifold system. Short total flow path lengths even in high-cavitation moulds. The processing of materials which are sensitive in terms of temperature and residence time such as POM as well as the direct gating of small or micro parts is facilitated.

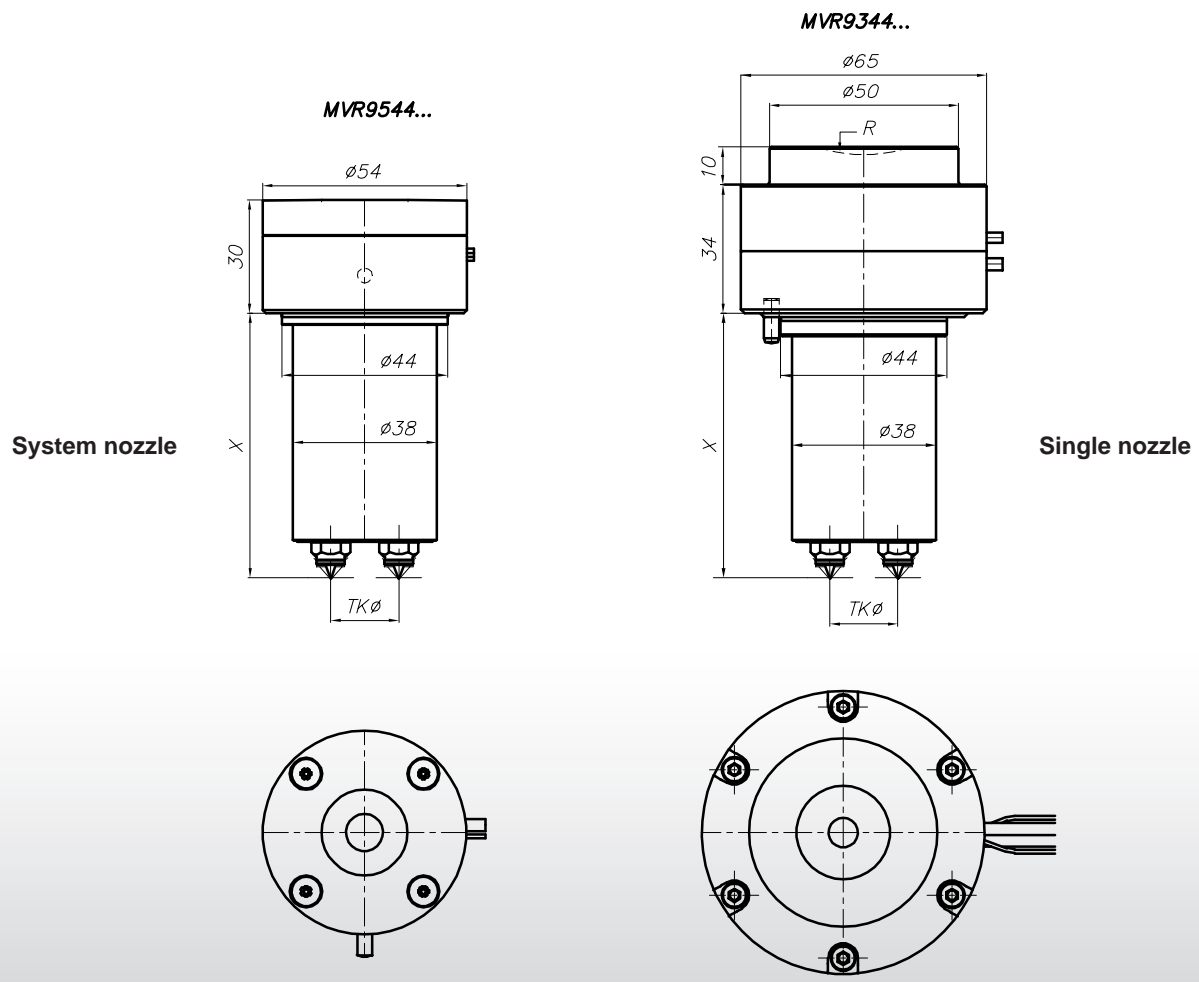


Front installation option for easy maintenance

For conducting a tip insert replacement only the cavity plate or the mould insert needs to be removed.

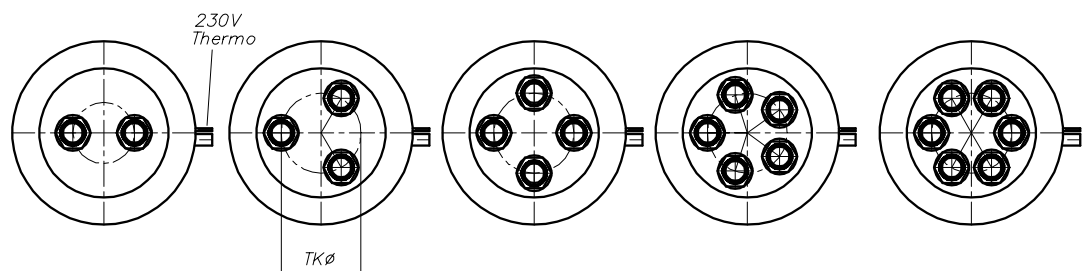


Available as system nozzle or single nozzle

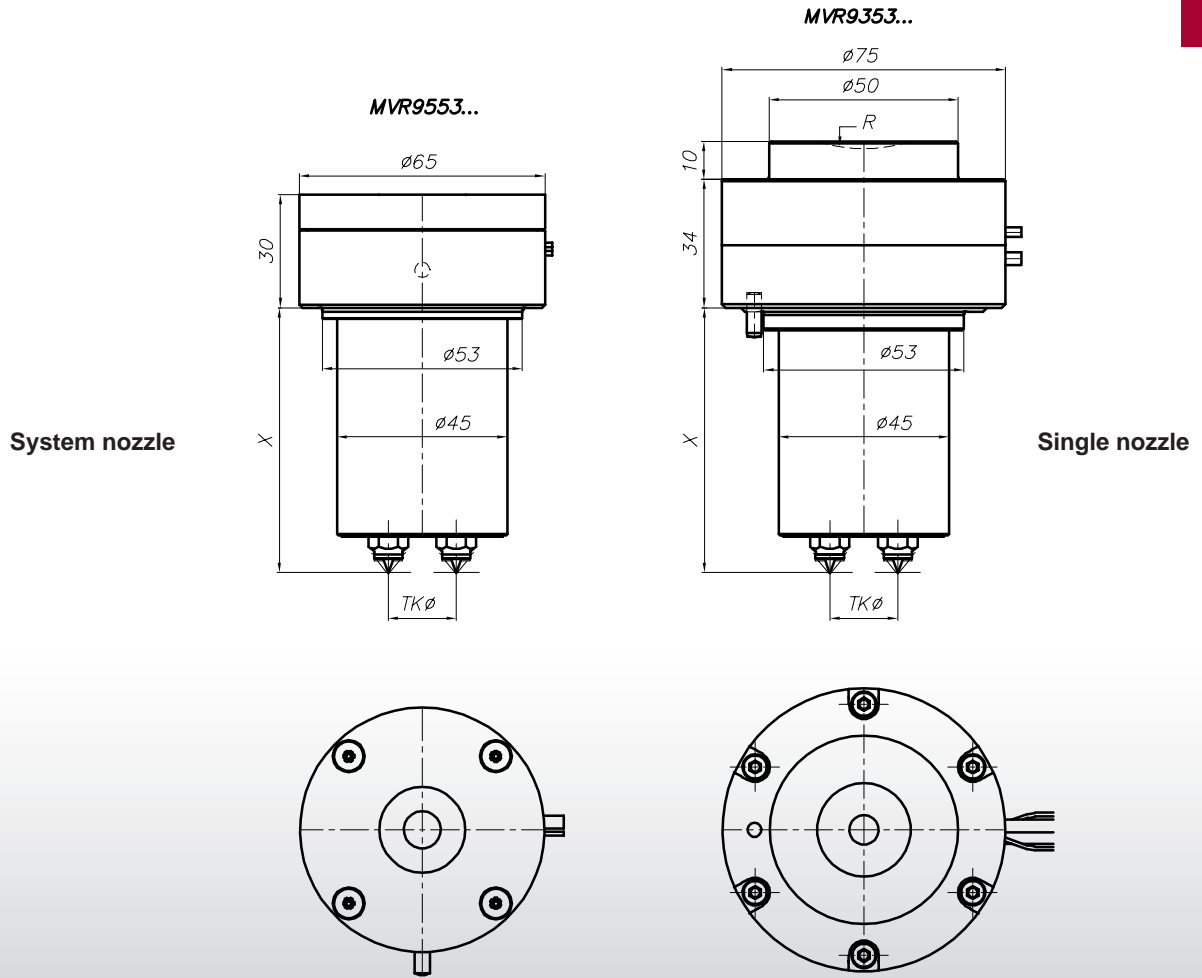


System nozzle MVR9544... / Single nozzle MVR9344...

Dimension X	50 mm / 70 mm / 90 mm / 110 mm
Centring collar Ø	44 mm
Number of tips	2 - 6
Pitch diameter TKØ	min. 10.3 mm - max. 21,3 mm Final determination depending on shot weight and material viscosity

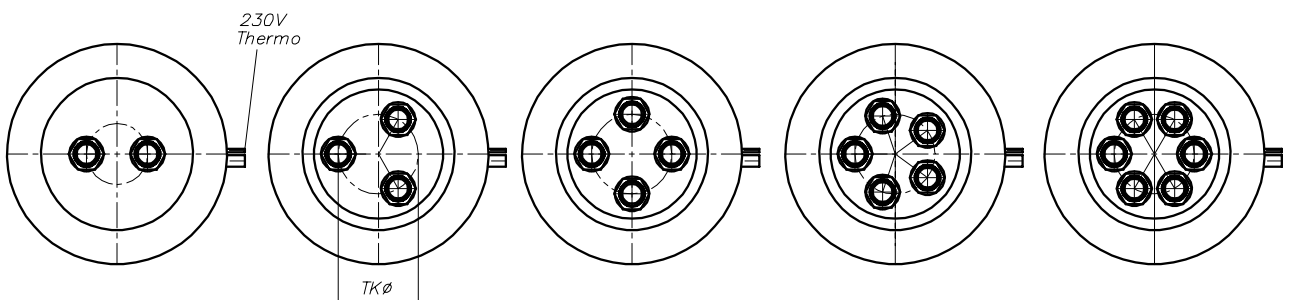


View on tip inserts.



System nozzle MVR9553... / Single nozzle MVR9353...

Dimension X	50 mm / 70 mm / 90 mm / 110 mm
Centring collar ϕ	53 mm
Number of tips	2 - 6
Pitch diameter $TK\phi$	min. 10.3 mm - max. 25 mm Final determination depending on shot weight and material viscosity



View on tip inserts.

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