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männer SLIMLINE Valve Gate Nozzle

11/18 Technical specifications subject to change.



For Close-Quarter Installations

Fitting the maximum number of cavities within the smallest possible space – männer’s proven SLIMLINE nozzle meets this challenge to provide increasingly more compact, high-speed, high-cavitation systems for the production of complex small and medium-sized plastic parts. The valve gate nozzle features a slender design with a nominal nozzle diameter of only eight millimeters, making it especially well suited to applications with tight spacing or low accessibility. Now männer has further developed its proven SLIMLINE nozzle, applying these benefits to the production of industrial components made of engineered resins as well as semicrystalline or liquid crystalline thermoplastics. In identical installations, the svelte nozzle provides enhanced stability, ensuring a homogeneous temperature profile and, with it, gentle and reliable processing of sensitive plastic melts.



Cable connectors



Pistons



Plug housing



Sport Cap



Flat dripper
for drip irrigation

männer SLIMLINE

Svelte Valve Gate Nozzle for Reliable Processing even of Engineered Resins

- Impeccable gate quality
- Short cycle times
- Reliable processing
- For tight cavity spacing, high-cavitation molds, and applications with tight spacing conditions such as direct injection close to the core or inner injection
- Homogeneous temperature profile even when processing engineered resins with narrow processing windows
- Basic nozzle body combined with nozzle tip specifically designed to meet the demands of processing engineered resins
- Insulating ring made of highly thermally insulating material
- Includes new temperature-control element (patent pending)
- Stable nozzle design made possible by stronger nozzle tube with no change to installation dimensions
- Includes extra valve pin guide ring
- Excellent thermal separation of the nozzles from the mold using specially integrated components
- Easy maintenance
- Available with nominal length of up to 204 mm



Temperature-control element for homogeneous temperature profile

- *Two functions in one: heating of nozzles and optimization of thermal balance*
- *Base shell made of highly heat-conductive alloy*
- *Two alternating slots enable easy installation and removal (chucking action)*



Technical Specifications

Suitable for	MSS (SINGLEDROP), MMS (MULTIDROP)
Nominal nozzle diameter (mm)	08
Length (mm)	79, 104, 129, 154, 179, 204
Examples of plastic types	Polyolefins (MFI 40-100), PP, PE, PE-LD, PE-HD, LCP, PBT, POM, PA, PS, ABS