

Field of application

The new MV type micro valve manufactured by POMTAVA offers all the advantages of a needle valve in an ultra compact format, perfectly adapted to peripherals to be mounted on robot arms, such as color changer, mixing block, bypass block, etc.

The patented valve body is made of stainless steel using the latest 3D printing technology. The piston is integrated and does not protrude out of the valve when opening and the needle length is much shorter than other versions, ensuring a very compact construction and product savings during flushing. Two small indicators allow to check the correct opening of the valve.

The MV micro-valve is available in 2 versions, with lip seals or bellows, for difficult products.



Technical data

Type	MV-04U (lip seals version), MV-04S (bellows version)
Products	Paints, solvents, hardeners
Valve pin	Ø4mm = MV-04 Ø6mm = MV-06
Working pressure	MV-xxU= max. 20 bar MV-xxS = max. 8 bar
Number of openings	> 1'000'000 Cycles
Operating temperature	-20°C to +135°C (MV-04S = +40°C)
Air opening pressure	5- 10bar
Valve body	Stainless steel
Needle	Stainless steel
Opening indicators	Solvent resistant material
Valve pin MV-04U	PVDF
Bellows MV-04S	PTFE
Valve pin MV-04U	PTFE
Valve body thread	M14x0.75
Air connetion	M5, on the valve body
Dimensions	according to plan
Weight	22g

ATEX certification

ATEX marking	II 2G Ex h IIB T4 Gb
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