

Micro Mechanical Valve

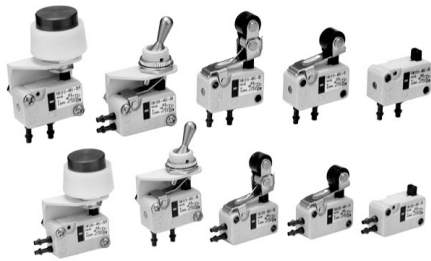
Series VM1000

Miniature structure requires little mounting space.

Built-in hose nipple connection.

Porting options: Side Porting
Bottom Porting

Over Travel after actuation
(mechanical operated styles).



Specifications

Style of valve	N.C. poppet
Number of ports	2 or 3
Total travel	4.8mm (Basic)
Piping	Side or bottom
Fluid	Air
Operating pressure	5 to 0.8MPa
Ambient and fluid temperature	-5 to 60°C (No freezing)
Effective area (Cv)	1mm ² (0.055)
Lubrication	Not required/Turbine oil #1 (ISO VG32)
Fitting	With hose nipple
Weight (Basic)	6g

Options

Total travel (T.T.)	2.5mm (Basic)
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- A commercially available actuator for the V microswitch can be installed.
- However, be aware that there are different microswitches, such as the P.T./O.T. or F.O.F. styles.
- T.T. 2.5mm is available for basic style only.

Model

	Actuator	Piping	No. of ports	Applicable tube		Notes	
				T0425	TU0425/T0403		
Mechanical operation	Basic	Side	3	VM1000-4N-00	VM1000-4NU-00		
			2	VM1100-4N-00	VM1100-4NU-00		
		Bottom	3	VM1010-4N-00	VM1010-4NU-00		
			2	VM1110-4N-00	VM1110-4NU-00		
	Roller lever	Side	3	VM1000-4N-01	VM1000-4NU-01		
			2	VM1100-4N-01	VM1100-4NU-01		
		Bottom	3	VM1010-4N-01	VM1010-4NU-01		
			2	VM1110-4N-01	VM1110-4NU-01		
	One way roller lever	Side	3	VM1000-4N-02	VM1000-4NU-02		
			2	VM1100-4N-02	VM1100-4NU-02		
		Bottom	3	VM1010-4N-02	VM1010-4NU-02		
			2	VM1110-4N-02	VM1110-4NU-02		
Manual operation	Toggle lever	Side	3	VM1000-4N-08	VM1000-4NU-08		
			2	VM1100-4N-08	VM1100-4NU-08		
		Bottom	3	VM1010-4N-08	VM1010-4NU-08		
			2	VM1110-4N-08	VM1110-4NU-08		
	Push button	Side	3	VM1000-4N-32R	VM1000-4NU-32R	Red	
			2	VM1100-4N-32R	VM1100-4NU-32R	Red	
			Bottom	3	VM1010-4N-32R	VM1010-4NU-32R	Red
				2	VM1110-4N-32R	VM1110-4NU-32R	Red
Side		3	VM1000-4N-32B	VM1000-4NU-32B	Black		
		2	VM1100-4N-32B	VM1100-4NU-32B	Black		
		Bottom	3	VM1010-4N-32B	VM1010-4NU-32B	Black	
			2	VM1110-4N-32B	VM1110-4NU-32B	Black	
Side	3	VM1000-4N-32G	VM1000-4NU-32G	Green			
	2	VM1100-4N-32G	VM1100-4NU-32G	Green			
	Bottom	3	VM1010-4N-32G	VM1010-4NU-32G	Green		
		2	VM1110-4N-32G	VM1110-4NU-32G	Green		