DIAPHRAGM ISOLATION SOLENOID VALVES

2/2-way NC, 2/2-way NO, 3/2-way
Orifice diameter 0.8 - 2.0 mm (DN)

MTV Series

2/2-way and 3/2-way diaphragm isolation solenoid valves.

This series of isolation valves offers various models optimised for their internal volume and pumping volume. There are also valves for high-temperature fluid and for pressures up to 8 bar. Due to their high vacuum suitability on the inlet side, these valves can also be used in front of the pump on the suction side.

WEG Series

2/2-way and 3/2-way diaphragm isolation solenoid valves.

Less pumping volume compared to conventional valves.

With a pressure range of -900 to 2000 mbar on all connections this valve series is suitable for pressure and vacuum applications.

SPECIFICATIONS

	MTV Series	WEG Series
Type	2/2-way NC	2/2-way NO	3/2-way	2/2-way NC	3/2-way
Orifice diameter	0.8 - 2.0 mm (DN)	2.0 mm (DN)
Port connection	M6	1/4-28UNF	Hose Barbs	Flange	Hose Barbs
Rated voltage	12 VDC	24 VDC	
Operating pressure range	Inlet: -1000 - 2000 mbar (Customised models up to 8000 mbar) Outlet (NC | NO): 0 - 1000 mbar	Inlet: -900 - 2000 mbar Outlet: -900 - 2000 mbar
Diaphragm material	PTFE	EPDM (Optional: FPM)
Body material	PEEK	PPS	PTFE	PCTFE	POM	HPVC	PPS
Seal material	Soft-Seal	PTFE	Perfluoroelastomer (FFKM)	FPM	EPDM	FPM
Other wetted materials	PTFE	Ceramic - Al_2O_3 PEEK (for 3/2-way)	PTFE	Ceramic - Al_2O_3 (for 3/2-way)
Fluid temperature range	0 - 60°C 5 - 60°C (for: Perfluoroelastomer FFKM)	5 - 50°C
Ambient temperature range	0 - 60°C 5 - 60°C (for: Perfluoroelastomer FFKM)	5 - 50°C
Power consumption	1.9 - 4.4 W (depending on the model)	2.6 W
Operating duration	100% ED	
Outer dimensions (depending on the model)	Ø26.0 x 57.0 mm	21.0 x 16.0 x 54.4 mm

Customisable to specific requirements (e.g. higher pressure range, different operating mode, higher temperature range, different operating voltage, different port connections, ...)

BMT Fluid Control Solutions GmbH
Specifications may change without notice
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