

## DIAPHRAGM ISOLATION SOLENOID VALVES

2/2-way NC, 2/2-way NO, 3/2-way  
Orifice diameter 2.5 mm (DN) | 4.0 mm (DN)

### MLV Series



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

With an orifice diameter of 2.5 mm this valve series enables significantly higher flow rates than the standard MTV, WTA and WTB series and is still extremely compact, compared to the diaphragm isolation solenoid valves with high flow rates and an orifice diameter of 4.0 to 6.0 mm.

### WBV Series



2/2-way diaphragm isolation solenoid valves normally closed.

Designed for dialysis machines and waste lines with a large orifice diameter of 4 mm and a compact design. With a media temperature range of up to 95°C and a low power consumption of 6 W it offers advantages compared to other models. An O-ring version that can be mounted directly on the balance chamber is available too.

### SPECIFICATIONS

	MLV Series	WBV Series
Type	2/2-way NC   2/2-way NO   3/2-way	2/2-way NC
Orifice diameter	2.5 mm (DN)	4.0 mm (DN)
Port connection	M8   5/16-24UNF   Rc1/8   1/8-27NPT	Hose Barbs   O-Ring
Rated voltage	12 VDC   24 VDC	
Operating pressure range	Inlet: -400 - 2000 mbar Outlet (NC   NO): 0 - 500 mbar	Inlet: -900 - 3000 mbar Outlet: -900 - 3000 mbar
Diaphragm material	PTFE	EPDM   FPM
Body material	PEEK   PTFE   PCTFE   POM   HPVC	PPS
Seal material   Soft-Seal	PTFE   Perfluoroelastomer (FFKM)   FPM	-
Other wetted materials	PTFE   Ceramic - Al <sub>2</sub> O <sub>3</sub> (for 3/2-way)	-
Fluid temperature range	0 - 60°C	5 - 95°C
Ambient temperature range	5 - 60°C (for Soft-Seal: Perfluoroelastomer FFKM)	0 - 50°C
Power consumption	3.1 - 4.4 W (depending on the model)	6 W
Operating duration	100% ED	
Outer dimensions (depending on the model)	Ø30.0 x 57.2 mm	48.0 - 57.0 x 33.0 x 84.8 mm

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