

DIAPHRAGM ISOLATION SOLENOID VALVES

2/2-way NC, 3/2-way
Orifice diameter 0.8 - 1.0 mm (DN)

KV Series



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

With an orifice diameter of 0.8 mm and a width of only 6 mm these valves can be integrated in a compact production design.

WTE Series



2/2-way and 3/2-way miniature diaphragm isolation solenoid valves with an orifice diameter of 1.0 mm and a pressure range from -650 mbar up to 1000 mbar at the inlet.

Due to higher vacuum range these isolation valves are especially suitable for use on the inlet side of the pump. The compact design enables the smallest manifold solutions to be integrated into your application.

SPECIFICATIONS

	KV Series	WTE Series
Type	2/2-way NC 3/2-way	2/2-way NC 3/2-way (under development)
Orifice diameter	0.8 mm (DN)	1.0 mm (DN)
Port connection	Flange	
Rated voltage	12 VDC 24 VDC	
Operating pressure range	Inlet: 0 - 1000 mbar Outlet (NC, NO): 0 - 500 mbar	Inlet: -650 - 1000 mbar Outlet: 0 - 100 mbar
Diaphragm material	Perfluoroelastomer (FFKM) FPM	PTFE
Body material	PEEK PPS	
Seal material Soft-Seal	Perfluoroelastomer (FFKM) FPM	Perfluoroelastomer (FFKM) FPM
Fluid temperature range	5 - 50°C	5 - 50°C
Ambient temperature range	5 - 40°C	5 - 50°C
Power consumption	1.8 W	1.5 W
Operating duration	100% ED	100% ED
Outer dimensions (depending on the model)	6.0 x 50.0 x 12.5 mm	19.0 x 11.0 x 31.3 mm

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