

DIAPHRAGM ISOLATION SOLENOID VALVES

2/2-way NC, 2/2-way NO, 3/2-way
Orifice diameter 4.0 - 6.0 mm (DN)

NRV Series



2/2-way and 3/2-way solenoid valves with diaphragm isolation and large orifice diameter.

This valve series offers designs only made of PTFE, which results in high chemical resistance.

PKV Series



2/2-way and 3/2-way solenoid valves with diaphragm isolation and large orifice diameter.

A large selection of connection options enables easy integration into fluidic systems.

SPECIFICATIONS

	NRV Series	PKV Series
Type	2/2-way NC 2/2-way NO 3/2-way	
Orifice diameter	4.0 - 6.0 mm (DN)	
Port connection	Rc1/8 Rc1/4 1/8-27NPT 1/4-18NPT	Rc1/8 Rc1/4 1/8-27NPT 1/4-18NPT Hose Barbs
Rated voltage	12 VDC 24 VDC	
Operating pressure range	Inlet: -900 - 2000 mbar Outlet (NC NO): 0 - 500 mbar	
Diaphragm material	PTFE	
Body material	PTFE PEEK PPS HPVC	
Seal material Soft-Seal	PTFE Perfluoroelastomer (FFKM) FPM	Perfluoroelastomer (FFKM) FPM EPDM
Other wetted materials	PTFE PCTFE Ceramic - Al ₂ O ₃ (for 3/2-way)	
Fluid temperature range	0 - 60°C 5 - 60°C (for Soft-Seal: Perfluoroelastomer FFKM)	5 - 60°C
Ambient temperature range	0 - 60°C 5 - 60°C (for Soft-Seal: Perfluoroelastomer FFKM)	5 - 40°C
Power consumption	5.5 W	6.0 - 10.0 W (depending on the model)
Operating duration	100% ED	
Outer dimensions (depending on the model)	Ø44.0 - 45.0 x 80.0 - 84.0 mm	40.0 x 42.0 x 71.0 - 85.3 mm

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