

DIAPHRAGM ISOLATION SOLENOID VALVES

2/2-way NC, 2/2-way NO, 3/2-way
Orifice diameter 1.0 - 1.2 mm (DN)

EXV Series



2/2-way diaphragm isolation solenoid valves.

Due to a small internal volume of only 4 μl (inlet), 25 μl (outlet) and a low pumping volume, liquids can be precisely controlled with this valve series.

The flange connection and the small size allow for easy integration into compact modules.

STV Series



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

A large selection of wetted materials and connection options enable a wide range of applications.

For this series there is a 2/2-way version available with push-in fittings. These connections allow the use of PTFE or PFA tubes with an outer diameter of 2.0 mm.

SPECIFICATIONS

	EXV Series	STV Series
Type	2/2-way NC	2/2-way NC 2/2-way NO 3/2-way
Orifice diameter	1.0 mm (DN)	1.0 - 1.2 mm (DN)
Port connection	Flange	M6 1/4-28UNF Hose Barbs Flange Push-In fittings (for 2/2-way)
Rated voltage	12 VDC 24 VDC	
Operating pressure range	Inlet: -200 - 2000 mbar Outlet: -500 - 2000 mbar	Inlet: -900 - 2000 mbar Outlet (NC NO): 0 - 500 mbar
Diaphragm material	PTFE	PTFE
Body material	PTFE PCTFE PEEK PPS	PEEK PPS PTFE POM
Seal material Soft-Seal	Perfluoroelastomer (FFKM) FPM	PTFE Perfluoroelastomer (FFKM) FPM
Other wetted materials	-	PTFE Ceramic - Al_2O_3 with 3/2-way
Fluid temperature range	0 - 40°C	0 - 50°C
Ambient temperature range	0 - 40°C	0 - 50°C
Power consumption	2.8 W	1.7 - 2.9 W (depending on the model)
Operating duration	100% ED	100% ED
Outer dimensions (depending on the model)	14.0 x 25.0 x 31.7 mm	$\varnothing 20.0 \times 42.5$ mm

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