

DIAPHRAGM ISOLATION SOLENOID VALVES

2/2-way NC, 2/2-way NO, 3/2-way
Orifice diameter 1.0 - 2.0 mm (DN)

CTV Series



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

A large selection of materials in contact with the media, connection options and a very large pressure range enable a wide range of applications.

2/2-way versions with Push-In fittings are available for these series. The connections allow the use of PTFE or PFA tubes with an outer diameter of 2.0 mm.

WTA Series



2/2-way diaphragm isolation solenoid valves

Through a large pressure range and a variety of connections this valve series covers a wide range of applications. Highly inert designs with wetted materials such as PTFE, PEEK and FFKM offer high chemical resistance.

SPECIFICATIONS

	CTV Series	WTA Series
Type	2/2-way NC 2/2-way NO 3/2-way	2/2-way NC
Orifice diameter	1.0 - 1.6 mm (DN)	1.2 - 2.0 mm (DN)
Port connection	M6 1/4-28UNF Hose Barbs Flange Push-In fittings (for 2/2-way)	
Rated voltage	12 VDC 24 VDC	
Operating pressure range	Inlet: -500 - 2000 mbar (Customised models up to 6000 mbar) Outlet (NC NO): 0 - 500 mbar	Inlet: -900 - 2000 mbar (Customised models up to 6000 mbar) Outlet (NC NO): 0 - 1000 mbar
Diaphragm material	PTFE	
Body material	PEEK PPS PTFE POM	PEEK PPS PTFE
Seal material Soft-Seal	PTFE Perfluoroelastomer (FFKM) FPM EPDM	
Other wetted materials	PTFE Ceramic - Al ₂ O ₃ PEEK (for 3/2-way)	-
Fluid temperature range	0 - 50°C	5 - 50°C
Ambient temperature range	0 - 50°C	5 - 50°C
Power consumption	1.9 - 4.4 W (depending on the model)	2.8 - 3.4 W (depending on the model)
Operating duration	100% ED	
Outer dimensions (depending on the model)	Ø21.0 x 59.8 mm	24.0 x 20.6 x 53.9 mm

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