

DIAPHRAGM ISOLATION SOLENOID VALVES

2/2-way NC, 2/2-way NO, 3/2-way
Orifice diameter 0.8 mm (DN)
Zero pumping volume valves

EXAK Series



EXAKN Series



2/2-way and 3/2-way diaphragm isolation solenoid valves with zero pumping volume.

Pumping volume EXAKN

Port	ON - 1 (µl)	OFF - 1 (µl)	ON - 2 (µl)	OFF - 2 (µl)	ON - 3 (µl)	OFF - 3 (µl)
COM	+ 0.002	- 0.015	+ 0.002	- 0.015	+ 0.002	- 0.015
NC	+ 0.024	- 0.010	+ 0.024	- 0.010	+ 0.024	- 0.010
NO	+ 0.005	- 0.005	+ 0.005	- 0.005	+ 0.005	- 0.005

SPECIFICATIONS

	EXAK Series	EXAKN Series
Type	2/2-way NC 2/2-way NO 3/2-way	
Orifice diameter	0.8 mm (DN)	
Port connection	M5 Hose Barbs	
Rated voltage	12 VDC 24 VDC	
Operating pressure range	Inlet: -400 - 1000 mbar Outlet (NC NO): 0 - 500 mbar	Inlet: -400 - 3000 mbar Outlet (NC NO): 0 - 1500 mbar
Diaphragm material	PTFE	
Body material	PFA	ETFE
Seal material	PTFE	Perfluoroelastomer (FFKM)
Other wetted materials	-	PVDF (for 3/2-way)
Fluid temperature range	0 - 60°C	
Ambient temperature range	0 - 50°C	0 - 60°C
Power consumption	0.94 W	1.2 W
Operating duration	100% ED	
Outer dimensions (depending on the model)	Ø12.0 x 48.1 mm	Ø14.0 x 42.3 mm

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