

SLIDER VALVES

2/2-way NC, 3/2-way
Orifice diameter 0.4 | 1.0 mm (DN)

Slider valve



2/2-way and 3/2-way slider valves enable a high-pressure range of up to 5 bar.

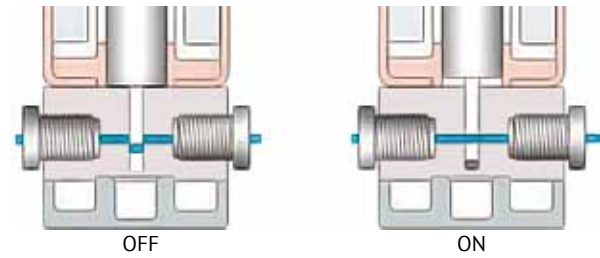
Because of the innovative design, the negative pumping volume effect, which is disadvantageous for many analysis instruments, is almost eliminated and a possible cross-contamination of the samples is also significantly reduced. The internal volume is:

- 0.4 mm DN: 1.5 μl (2/2-way) | 3.7 μl (3/2-way)
- 1.0 mm DN: 16.5 μl (2/2-way) | 32.2 μl (3/2-way)

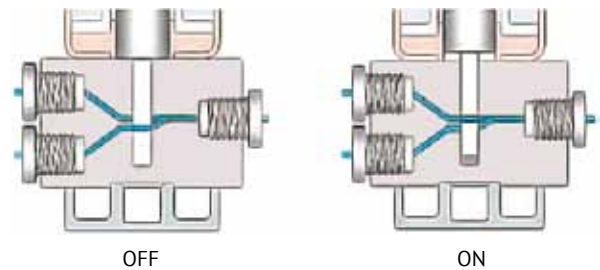
SPECIFICATIONS

	Slider value
Type	2/2-way NC 3/2-way
Orifice diameter	0.4 mm 1.0 mm (DN)
Port connection	10-32UNF (0.4 mm DN) M6 1/4-28UNF (1.0 mm DN)
Rated voltage	12 VDC 24 VDC
Operating pressure range	Inlet: 0 - 5000 mbar (0.4 mm DN) -900 - 3000 mbar (1.0 mm DN)
Body material	PEEK
Other wetted materials	PTFE, Ceramic - Al_2O_3 (0.4 mm DN) SiC (Silicon Carbide) (1.0 mm DN)
Fluid temperature range	10 - 50°C
Ambient temperature range	10 - 50°C
Power consumption	18 W (0.4 mm DN) 16 W (1.0 mm DN)
Operating duration	15% ED (for orifice diameter 0.4 mm DN) 33% ED (for orifice diameter 1.0 mm DN) 100% ED with holding voltage
Outer dimensions	24.0 x 34.0 - 38.5 x 62.0 mm (0.4 mm DN) 38.0 x 38.0 - 41.5 x 86.0 mm (1.0 mm DN)

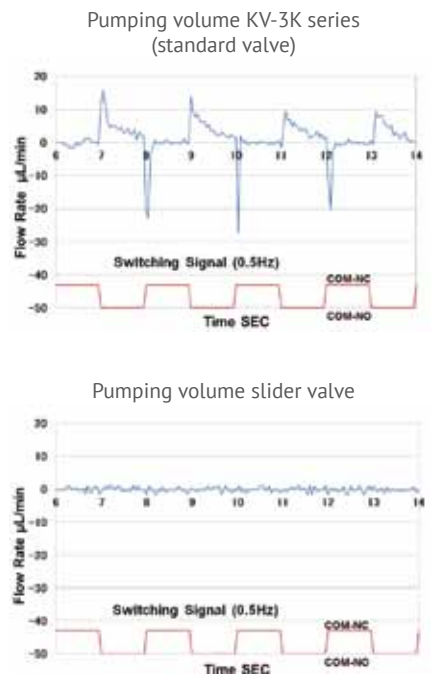
Operating principle of a 2/2-way slider valve



Operating principle of a 3/2-way slider valve



Comparison of the pumping volume of conventional valves with a diaphragm:



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