

Single-Use Pinch Valve



Pinch valves are often used in single use applications for on/off flow control. As the valve does not get in contact with the process media it does not require replacement of any parts. For non-pressure designs simple solenoid-driven pinch valves can be used, but when pressure needs to be applied, such as in filtration equipment the significantly tougher tubings together with the internal pressure pose a significant burden to the pinch valve and standard solenoids normally cannot do the job.

A newly developed design allows for on/off control of pressurized single-use tubings in a compact package. The tubing firmly sits in a well-defined, hose size adaptable bed which guarantees uninterrupted operation for many cycles. The valve can easily be installed within a cabinet with only the actuated part being visible.

SU PINCH VALVE	
Type	Pinch, non-invasive
Model	SU Valve
Weight	3 kg
Dimensions (l;w;h)	165mm x 90mm x 85mm
Protection rating	IP65
Actuation	Single cable or manual
Actuation Time	Opening: 6 sec Closing: 6 sec
Power consumption	Idle position (closed or open): 0.1W During opening and closing (3 sec.): 5W
Power Supply	24 VDC
Signal Input	OFF position: 0VDC ON position: 24VDC
Material	316L / HDPE
Max. working Pressure (barg)	5
Max. working Temperature	60 °C
Hose size	OD 6.35 - 25.4 mm OD 1/4" - 1"
Electrical connection	Power, 24VDC: 2 wires Signal, 24VDC: 2 wires
Chemical resistance	Suited for IPA Cleaning (Cleanroom Airlocks)
Note	User interface via PLC or DCS with digital output 24VDC





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