

SwitchEZ™ Solenoid Pinch Valves



SwitchEZ™ series pinch valves are available as normally closed, normally open, and closed/open (3-way diverting), and in single or multi-tube configurations. These compact and low power pinch valves come equipped with silicone tubing. they can be used to pinch other compatible user-specified tubing.

SwitchEZ™ valves are capable of handling a wide range of corrosive and high purity fluids. It is ideal for use where contamination is an issue, as the fluid only comes in contact with the tubing, not the valve. Tubing replacement is quick and easy, making these suitable for pharmaceutical or sanitary applications.

Benefits

High Performance



- Fast switching time
- Fast response time
- High cycle life

Cost Effective



- Excellent for sanitary and pharmaceutical applications
- Compact design with low operational noise

Custom Design & OEM



Choice of Tubing Materials

- Standard Silicone tubing (by default, the valve is configured with standard silicone tubing)
- PharMed BPT tubing
- Medical/Laboratory grade silicone tubing (platinum-cured silicone)
- Sanitary food grade silicone tubing (platinum-cured silicone)

SwitchEZ pinch valve can be configured to use customer supplied tubing. The recommended durometer should be in the range of 45-60 Shore A

Selection Guide for Pinch Valves

Naming rule

$\frac{PVXX}{1} \frac{XX}{2} \frac{XX}{3} - \frac{XXX}{4}$

1	Series	PV20, PV25
2	Configuration	NC: 2-way, normally closed NO: 2-way, normally open T: 3-way valves
3	Voltage	12: 12VDC 24: 24VDC
4	Tubing Size	3-32: OD 3/32"(2.38mm), ID 1/32"(0.79mm) 1-8: OD 1/8"(3.17mm), ID 1/16"(1.59mm) 1-4: OD 1/4"(6.35mm), ID 1/8"(3.17mm) XX: custom tubing

2-way normally closed valves

Catalog #	OD	ID	Max. Pressure	Voltage	Wattage @ 21°C	Note
PV20NC12-3-32	3/32"(2.38mm)	1/32"(0.79mm)	15 PSI	12VDC	2.8W	
PV20NC24-3-32	3/32"(2.38mm)	1/32"(0.79mm)	15 PSI	24VDC	2.8W	
PV20NC12-1-8	1/8"(3.17mm)	1/16"(1.59mm)	15 PSI	12VDC	2.8W	
PV20NC24-1-8	1/8"(3.17mm)	1/16"(1.59mm)	15 PSI	24VDC	2.8W	
PV25NC12-1-4	1/4"(6.35mm)	1/8"(3.17mm)	20 PSI	12VDC	4.0W	
PV25NC24-1-4	1/4"(6.35mm)	1/8"(3.17mm)	20 PSI	24VDC	4.0W	

2-way normally open valves

Catalog #	OD	ID	Max. Pressure	Voltage	Wattage @ 21°C	Note
PV20NO12-3-32	3/32"(2.38mm)	1/32"(0.79mm)	15 PSI	12VDC	2.8W	
PV20NO24-3-32	3/32"(2.38mm)	1/32"(0.79mm)	15 PSI	24VDC	2.8W	
PV20NO12-1-8	1/8"(3.17mm)	1/16"(1.59mm)	15 PSI	12VDC	2.8W	
PV20NO24-1-8	1/8"(3.17mm)	1/16"(1.59mm)	15 PSI	24VDC	2.8W	
PV25NO12-1-4	1/4"(6.35mm)	1/8"(3.17mm)	20 PSI	12VDC	4.0W	
PV25NO24-1-4	1/4"(6.35mm)	1/8"(3.17mm)	20 PSI	24VDC	4.0W	

3-way valves

Catalog #	OD	ID	Max. Pressure	Voltage	Wattage @ 21°C	Note
PV20T12-3-32	3/32"(2.38mm)	1/32"(0.79mm)	15 PSI	12VDC	4.0W	
PV20T24-3-32	3/32"(2.38mm)	1/32"(0.79mm)	15 PSI	24VDC	4.0W	
PV20T12-1-8	1/8"(3.17mm)	1/16"(1.59mm)	15 PSI	12VDC	4.0W	
PV20T24-1-8	1/8"(3.17mm)	1/16"(1.59mm)	15 PSI	24VDC	4.0W	
PV25T12-1-4	1/4"(6.35mm)	1/8"(3.17mm)	20 PSI	12VDC	8.0W	
PV25T24-1-4	1/4"(6.35mm)	1/8"(3.17mm)	20 PSI	24VDC	8.0W	