

ASCO™ Series 273 Pneumatic Pinch Valves

3/8" to 1" OD | G or NPT 1/8 Thread | 2-Way NO / NC Valves | Anodized Aluminum and Stainless Steel

Applications

- Single Use Bioreactors
- Tangential Flow Filtration (TFF) Skids
- Chromatography Skids



Features & benefits

Innovative design

- Innovative design for proper tube retention, easy snap-in slot, and quick tube installation/removal

Industry Leading Performance and Reliability

- High tube pinching cycles, up to 20,000
- Protect tube surface from any damage during pinching cycles

Operator Safety

- Manual Override allows access to installation/removal of soft tubing in case of power failure or unplanned maintenance without unmounting or actuating the pinch valve
- Built-in operator safety to eliminate any potential risk from the pinching mechanism

Unmatched Product Support

- Local sales support and product specialists help find solutions to customer specific applications
- Technical service and online chat are available for phone and web support

Specifications

Tube OD (inch)	Tube ID (inch)
3/8	1/4
1/2	3/8
	1/4
3/4	1/2
1	3/4

- Valve Type: 2-Way Normally Open (NO) and Normally Closed (NC)
- Material of construction: Anodized aluminum or stainless steel
- Tube Range (OD): 3/8", 1/2", 3/4", 1" - Various ID (see tube chart)
- Tube Material: Silicone, cflex374, 082 and Tygon
- Tube Hardness: 55 – 80 Shore A (Gamma Radiated)

- Tube Media Pressure: Up to 90 PSI (Depending on size & tubing material, refer to tube chart)
- Air operating / Piloting pressure: 70 – 145PSI (4.8 – 10BAR)
- Ambient Temperature: 32°F to 104°F (0°C to +40°C)
- T-Groove for switch contact – feedback on valve position status (Ex. Reed switch detector, Magnet Resistive detector)
- Media*: Inert Gases or Liquids

Support Wide Tubing Ranges

- Pharma 80 (80 ShA) for all sizes (NO) and up to 3/4" (NC)

* Ensure that the compatibility of the fluids in contact with the tube is verified

For more information:
www.emerson.com/asco

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