

ASCO™ Series 273 and 373 Pneumatic Pinch Valves

Series 273: 1/4" to 1" O.D. | G or NPT 1/8 Thread | 2-Way NO / NC Valves | Anodized Aluminum or Stainless Steel

Series 373: 1/2" O.D. | G or NPT 1/8 Thread | 3-Way | Anodized Aluminum

Applications

- Biotechnology
- Pharmaceuticals
- Single Use Bioreactors
- Tangential Flow Filtration (TFF) Skids
- Chromatography Skids
- Bottling and Dispensing Skids
- Food and Beverage



Features & Benefits

Innovative and flexible design

- Innovative design for proper tube retention, easy snap-in slot, and quick tube installation/removal
- Increased flexibility by allowing one valve to support multiple tube sizes.

Industry Leading Performance and Reliability

- 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 safety guard 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

For more information:
www.emerson.com/asco

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General

- Tube Material: platinum-cured silicone, braided silicone, C-Flex® 374, Pharma 80, Tygon®, Watson Marlow, Vena®
- Support of wide range of tubing: Pharma 80 (80 ShA) for all sizes (NO) and up to 3/4" (NC)
- Tube Hardness: 55 – 80 Shore A (Gamma radiated)
- Tube Media Pressure: up to 90 PSI (6 bar) depending on size and tube material; refer to the tube chart
- Air operating / Piloting pressure: 70 – 145 PSI (4.8 – 10 bar)
- Ambient Temperature: 32°F to 104°F (0°C to +40°C)
- T-Groove for proximity sensor – feedback on valve position status (e.g., for Aventics ST6 or P494 sensors)
- Media: inert gases or liquids (ensure that the compatibility of fluids in contact with the tube is verified)

Series 273 Specifications

Tube O.D. (inch)	Tube I.D. (inch)
1/4 (size adjuster)	1/8
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): 1/4", 3/8", 1/2", 3/4", 1" - Various ID (see tube chart)

Series 373 Specifications

Tube O.D. (inch)	Tube I.D. (inch)
1/2	1/4

- Valve Type: 3-Way:
- Normally closed upper slot, normally open lower slot, Single-acting or Universal, double acting
- Material of construction: anodized aluminum
- Tube size (O.D.): 1/2"