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Брянск (4832)59-03-52
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Вологда (8172)26-41-59
Воронеж (473)204-51-73
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Air Operated Pinch Valves

MVI Air Actuated Pinch Valves offer a cost-effective solution to flow control problems. Adding air pressure within the annular space between the body and the sleeve can open, throttle or close the valve.

Air Actuated Pinch Valves offer a cost-effective solution to flow control problems. The secret is in the rubber sleeve - the valve's only wetted part. Actuation of the valve is accomplished by air or hydraulic pressure placed directly on the elastomer sleeve. Adding air pressure within the annular space between the body and the sleeve can open, throttle or close the valve. The valve body acts as a built-in actuator, eliminating costly hydraulic, pneumatic, or electric operators. The sleeve's flexibility allows the valve to close drop-tight around entrapped solids, eliminating hang-ups that can damage the valve. Sealing area is equal to 95% of the valve's length. In general, 25 psi over line pressure is required for full closure of air actuated pinch valves.

there are no seats or packing to replace, or cavities or dead spots to collect debris and bind valve operation. Their abrasion resistance is unmatched. When the valve is open, it is like a straight piece of pipe in the line. The Valves are used on remote locations or harsh environments since there are no external links, levers, pistons or rotating parts to cause downtime.

Throttling control is accomplished by using a booster or proportional relay to modulate air pressure to this type valve. A changing air signal through the proportional relay will modulate the Valve.



Air Operated Pinch Valve And Rubber Sleeves

Technical Specification

- Design and Manufacture: Factory Standard
- Face to face: Factory Standard
- End Flange: DIN 2544, ASME B16.5 (or drilling according to customer's requirements)
- Inspection and Test: API 598
- Size range: DN40 to DN300
- Body Material: Aluminum, Carbon Steel
- Sleeve Material: Natural Rubber, EPDM, Silicon Rubber, High Performance Abrasion-resistant Rubber
- Temperature Range: -30°C to 120°C (According to the working condition)
- Air Supply Pressure: 3-6Bar

Product Features:

- 100% isolation
- Full bore
- No cavities or dead spots to bind valve operation
- No leakage, Long service time
- Closes drop-tight on solids
- No jamming or clogging, impact resistance
- Cost effective and maintenance free
- Implement multiple valves united operation, and Remote Control

Inflatable Pinch Valve

General Applications:

1. Heat-engine plant, Coal coking plant, Coal washery,
2. Mine metallurgy plant, Petrochemical plant, Chemical plant
3. Power plant, Steel plant, aluminum industry

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