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Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
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Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

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Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
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Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
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Сочи (862)225-72-31
Ставрополь (8652)20-65-13

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Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

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Control Pinch Valves



MVI Control Pinch Valves offer maximum durability with precise control and virtually no maintenance, widely used in highly abrasive working conditions.

MVI Control Pinch Valves offer maximum durability with precise control and virtually no maintenance. A heavy-duty, rugged pinch mechanism positions the sleeve, resulting in accurate flow control. Our Control Pinch Valves have no packing to maintain or seats to wear, no fugitive emissions and no need for expensive body alloys. Variable orifice and sleeves can be specified to further enhance control performance and match the exact CV level desired. True feedback positioning is accomplished through the direct linkage of the pneumatic positioner to the valve stem shaft, with no splitting of the positioner output. MVI Control Products are available with pneumatic, electropneumatic, or digital positioners to link up to all control systems.

Pneumatic Actuated Pinch Valves With Handle Operator

MGJ641X-10Q Series Rubber Seated Pinch Valve

Design and Manufacturing: ASME B16.34, Factory Standard

Flange Ends: DIN 2544, ASME B16.5, RF Flange Connection (can be according to customer's request.)

Face to Face dimension can be customized.

Body: Aluminum alloy, Cast Iron, Ductile Iron, Fabricated Carbon Steel

Sleeve Material: Natural Rubber, NBR Composition, EPDM, High Performance Wear-resistant Modified Rubber.

Temperature Range: -30°C to 120°C

Product Features:

1. Natural rubber outer layer keeps sleeve protected under environmental erosion.
2. Middle-layer braided fabrics keeps whole sleeve more stronger using even under high pressure.
3. Special internal contact layer keeps sleeve in super wear-proof performance, extend its life 3 times more than common material rubber sleeve.
4. 20mm superior thickness rubber sleeve to optimize the wear life.
5. Integral elastomer molded flange
6. Bi-directional Drop-tight shutoff
7. Self-cleaning by full flow bore design.

8. Excellent throttling performance when automatic actuated.
9. Easy replacement.

Modified Rubber Elastomer Sleeve In stock

The most important part of any pinch valve is its elastomer sleeve. The sleeve is truly the heart of the pinch valve, providing corrosion and abrasion resistance and pressure containment. The quality of any pinch valve is only as good as the quality of its sleeve.

Material Performance Comparison Chart

Rubber Code	Full Name	Temperature Range	Application	Chemical Resistance					
				Acids	Alkali	Aromatic Oils	Aliphatic Oils	Solvents	Water
NR	Natural Rubber	-40 ~ 75	Heavy Abrasive Materials, Diluted acid, alkali and chemicals	Good	Good	Not	Not	Not	Excellent
EPDM	Ethylene Propylene	-40 ~ 120	Concentrated and Oxidizing chemicals	Very Good	Very Good	Not	Not	Good	Excellent
SBR	Styrene Butadiene	-40 ~110	Heavy Abrasive Materials, Diluted acid, alkali and chemicals	Good	Good	Not	Not	Not	Excellent
NBR	Nitrile Rubber	-30 ~ 100	Oils, Fuels, Hydrocarbon and Lubricants	Good	Common	Good	Very Good	Not	Excellent
FSR	Fluorine-silicon Rubber	-30 ~ 160	High Temperature Abrasive Materials	Very Good	Very Good	Common	Good	Not	Excellent

The full-port design of MVI Valve Pinch Valve Sleeves is ideal for slurry and solids handling, where an unobstructed flow path is essential. In throttling applications, sleeves maintain a laminar flow for better control with less cavitation. Flow patterns are streamlined, even when throttled, eliminating turbulence and wear. When abrasive particles strike the elastomer surface of the Pinch Valve Sleeves, the impact is absorbed and then deflected back into the particle. This resiliency allows our Pinch Valve Sleeves to wear at a much slower rate than metals or even ceramic surfaces.

Control Pinch Valves With fabricated steel body

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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