

- Centerline closure for streamline flow
- Tight shut-off even on trapped solids
- Built-in over-pinch protection
- Positive opening tabs standard on all sleeves
- Valve position easily visible
- Face-to-face values equal to industry standards

The Series 1000 Pinch Valve features a simple, proven and cost-effective design. Virtually maintenance-free, the sleeve is the valve's only wetted part, eliminating possible contamination of the process materials.

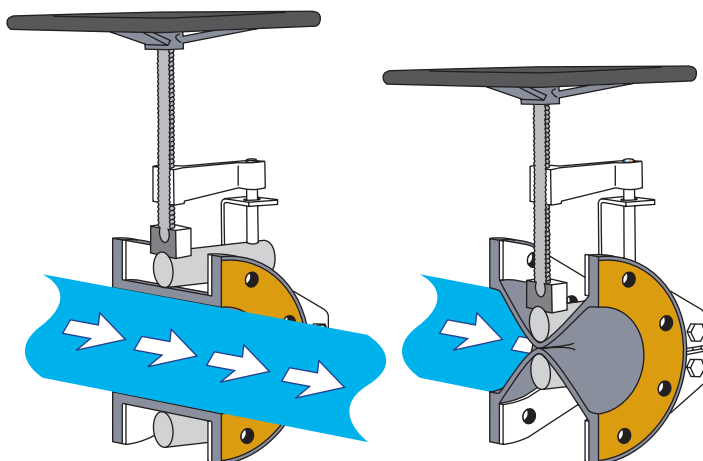
The 1000 Series Valve has no seats that require grinding, no packing glands or stuffing boxes which require repacking. Both torques and flow rates remain constant during valve operation. The valve will not become locked or jammed even when dealing with solids in the flow.



Typical Applications

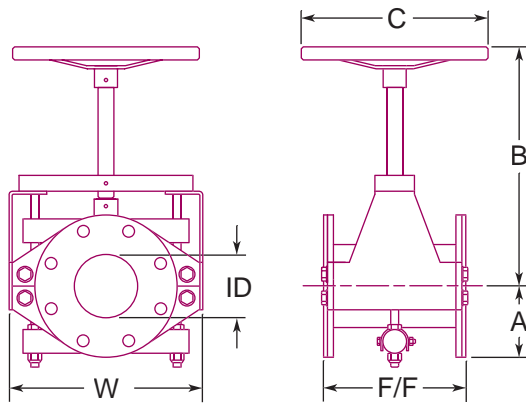
Mining - Waste and Water Treatment - Food Processing - Mineral Processing

The body of the 1000 Series valve is available in either carbon steel, aluminum or stainless steel and features an open-frame design.



Series 1000 Pinch Valves provide excellent flow control compared to other valves, due to their simple yet effective design.

Two pinch bars squeeze the flexible rubber sleeve, allowing the Series 1000 Valve to achieve a variable and stable flow rate. Fully open, the valve allows for full, straight through flow. Fully closed, the Series 1000 Valve maintains complete closure, with no leakage in either direction.



For engineering specifications or when placing your order, please provide the following information:

- Flange Drilling ANSI 125 ANSI 300
 PN 6 PN 10
 PN 16 BS 10
 Other

ID ¹	1/2	3/4	1	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
F/F ¹	4	5	5-1/2	6-1/2	7	7-1/2	8	9	10	10-1/2	16	20	24	28	32	36	40	48
W ¹	3-1/2	5	6	6-5/8	8-3/8	9-1/4	10-1/8	11-3/4	14	15-1/2	20	24	28	31-3/8	35	37-1/4	44	51-3/4
A ¹	1-3/4	2	2-1/8	2-1/2	3	3-1/2	3-3/4	4-1/2	5	5-1/2	6-3/4	8	9-1/2	10-1/2	11-3/4	12-1/2	13-3/4	16
B ¹	4-1/8	5	7-3/8	9	10-9/16	11-3/16	13-1/4	15-1/8	18	20	23	29-3/8	33-3/8	38-3/8	44	47-9/16	44	54
C ¹	6	6	6	6	8	10	12	12	16	16	20	26	32	36	40	44	48	54
Max. Work Pressure ²	200	200	150	150	150	150	150	150	125	125	75	75	75	50	50	50	50	50
Weight ³ (est.)	5	7	10	15	24	30	37	55	73	88	142	275	378	440	500	550	650	900

1 - inches 2 - psi 3 - pounds

Dimensions can be revised to suit custom specifications.

Elastomer Selection Guide

Ethylene Propylene Rubber (EPDM)

Most effective for applications involving water, steam or diluted acids.

Viton™ (FKM)

Resists solvents, halogenated hydrocarbons, oxygen, weather, ozone, oils and chemicals.

Buna N (NBR)

Resistant to kerosene, moderate chemicals, fats, oils, grease and many hydrocarbons.

Natural Rubber (NR)

Good abrasion resistance, tensile strength and resiliency. Also suitable when dealing with organic acids, alcohols, ketones and most moderate chemicals.

Hypalon™ (CSM)

Resists strong acids and bases, ozone, weathering, heat and oxidizing chemicals.

Butyl (CIIR)

Good resistance to animal and vegetable fats, strong and oxidizing chemicals, oils, heat and greases.

Neoprene (CR)

Generally resistant to oil and grease, moderate chemicals, fats, many hydrocarbons and ozone. Resistant to barnacle growth.

Teflon™ (AFMU)

Excellent resistance to chemicals. Fair abrasion resistance.

Options

Flange Drilling - ANSI, Metric, or custom drilling classes available.

Chainwheel Controls - For valves that are mounted out of reach.

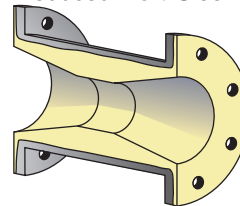
Bevel Gear - Suggested for high pressure applications or for valves where diameter is at least 6" and pressure is 75 psi or above.

Stem Extensions - Available for hard to reach or buried service valves.

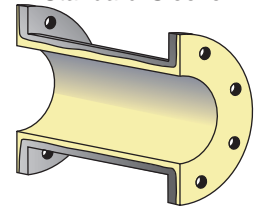
When placing your order, please indicate sleeve material by appending elastomer abbreviation (CR, NR, etc) to the model name.
IE: Series 1000-CR

Replacement Sleeves Styles for the Series 1000 Valve

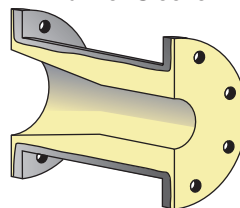
Reduced Port Sleeve



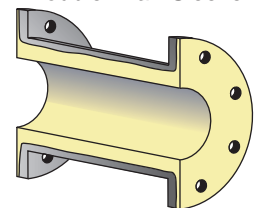
Standard Sleeve



Funnel Sleeve



Double Wall Sleeve



WARRANTY

All EVR products are guaranteed for one full year against defects resulting from faulty workmanship or materials. If any such product is found to be defective by reason of faulty workmanship or materials, upon written notice and return of the product, the defective product will be replaced by us free of charge, including the shipping charges for the replacement product. Claims for labour costs and other expenses required to replace such defective product, or to repair damage resulting from the use thereof will not be allowed by us. Our liability is limited to the price paid for the defective product. EVR Products shall not be bound by any warranty other than the above set forth unless such warranty shall be in writing. This literature is published in good faith and is believed to be reliable, however, EVR Products does not represent and/or warrant in any manner the above information and suggestions contained in this brochure. Data presented is the result of laboratory tests and field experience.

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Toll Free 1-800-461-6331 (N.A.)

Website: www.evrproducts.com

E-mail: sales@evrproducts.com

ISO 9001 Certified



- Centerline closure for streamline flow
- Tight shut-off even on trapped solids
- Built-in over-pinch protection
- Positive opening tabs standard on all sleeves
- Valve position easily visible
- Face-to-face values equal to industry standards



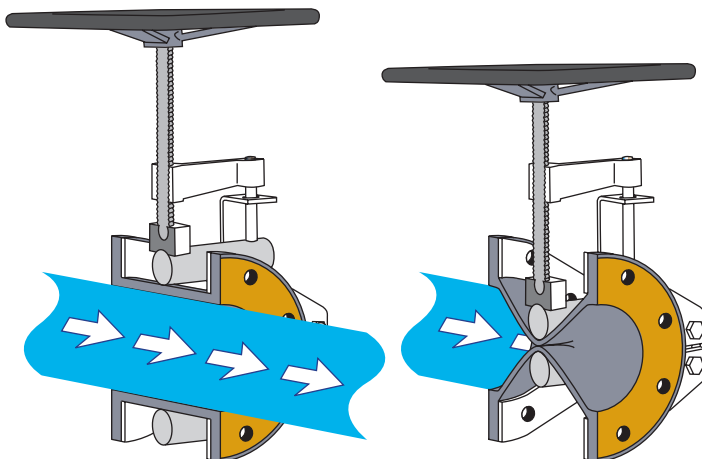
The Series 1100 Pinch Valve has been designed to provide a high pressure alternative to the Series 1000 Valve. Virtually maintenance-free, the sleeve is the valve's only wetted part, eliminating possible contamination of the process materials.

The 1100 Series Valve has no seats that require grinding, no packing glands or stuffing boxes which require repacking. Both torques and flow rates remain constant during valve operation. The valve will not become locked or jammed even when dealing with solids in the flow.

Typical Applications

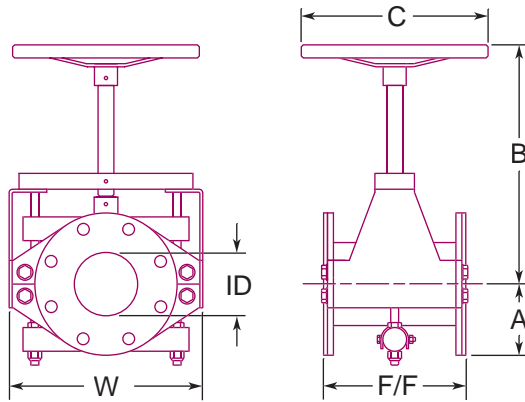
Mining - Waste and Water Treatment - Food Processing - Mineral Processing

The body of the 1100 Series valve is available in either carbon steel, aluminum or stainless steel and features an open-frame design.



Series 1100 Pinch Valves provide excellent flow control compared to other valves due to their simple yet effective design.

Two pinch bars squeeze the flexible rubber sleeve, allowing the Series 1100 Valve to achieve a variable and stable flow rate. Fully open, the valve allows for full straight through flow. Fully closed, the Series 1100 Valve maintains complete closure with no leakage in either direction.



For engineering specifications or when placing your order, please provide the following information:

- Flange Drilling ANSI 125 ANSI 300
 PN 6 PN 10
 PN 16 BS 10
 Other

ID ¹	1/2	3/4	1	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
F/F ¹	4-1/2	5-1/2	6	6	8	10	12	16	20	24	32	40	48	42	48	54	60	72
W ¹	3-1/2	6	6	6-1/2	8	9	10	11-3/4	13-1/2	15-1/2	19	25	28	31-3/8	37	40	44	51-3/4
A ¹	1-3/4	2	2-1/4	2-1/2	3	3-1/2	3-3/4	4-1/2	5	5-1/2	6-3/4	8	9-1/2	10-1/2	11-3/4	12-1/2	13-3/4	16
B ¹	4-1/8	5	7	8	9-1/4	10	12	14-1/4	16	18	20	22	26	32	36	40	44	54
C ¹	6	6	6	6	8	10	12	12	16	16	20	26	32	36	40	44	48	54
Max. Work Pressure ²	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Weight ³ (est.)	5	7	10	15	32	42	51	68	102	123	198	385	529	616	700	770	910	1260

1 - inches 2 - psi 3 - pounds

Dimensions can be revised to suit custom specifications.

Elastomer Selection Guide

Ethylene Propylene Rubber (EPDM)

Most effective for applications involving water, steam or diluted acids.

Viton™ (FKM)

Resists solvents, halogenated hydrocarbons, oxygen, weather, ozone, oils and chemicals.

Buna N (NBR)

Resistant to kerosene, moderate chemicals, fats, oils, grease and many hydrocarbons.

Natural Rubber (NR)

Good abrasion resistance, tensile strength and resiliency. Also suitable when dealing with organic acids, alcohols, ketones and most moderate chemicals.

Hypalon™ (CSM)

Resists strong acids and bases, ozone, weathering, heat and oxidizing chemicals.

Butyl (CIIR)

Good resistance to animal and vegetable fats, strong and oxidizing chemicals, oils, heat and greases.

Neoprene (CR)

Generally resistant to oil and grease, moderate chemicals, fats, many hydrocarbons and ozone. Resistant to barnacle growth.

Teflon™ (AFMU)

Excellent resistance to chemicals. Fair abrasion resistance.

Options

Flange Drilling - ANSI, Metric, or custom drilling classes available.

Chainwheel Controls - For valves that are mounted out of reach.

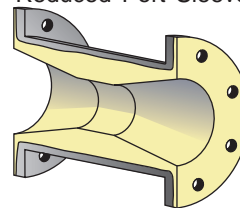
Bevel Gear - Suggested for high pressure applications or for valves where diameter is at least 6" and pressure is 75 psi or above.

Stem Extensions - Available for hard to reach or buried service valves.

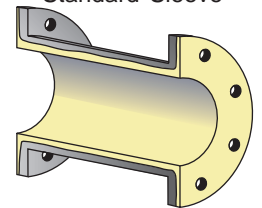
When placing your order, please indicate sleeve material by appending elastomer abbreviation (CR, NR, etc) to the model name.
IE: Series 1100-CR

Replacement Sleeves Styles for the Series 1100 Valve

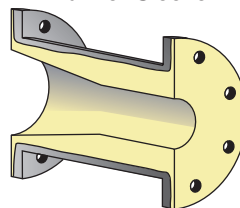
Reduced Port Sleeve



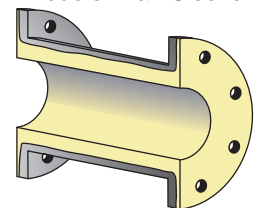
Standard Sleeve



Funnel Sleeve



Double Wall Sleeve



WARRANTY

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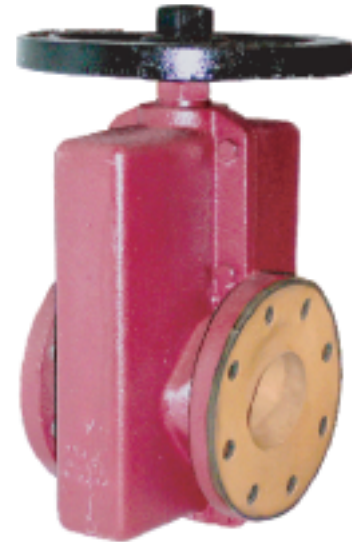


- Completely enclosed body
- Streamlined centerline closure
- Tight shut-off even on trapped solids
- Positive opening tabs standard on all sleeves
- Non-rising hand wheel with position indicator
- Face-to-face values equal to industry standards

The Series 2000 Pinch Valve is a completely enclosed, manually operated valve. Its reliable, maintenance-free design is perfectly suited for tough slurries, abrasives, and corrosive chemical applications.

The enclosed body offers protection against moving parts and in the event of sleeve failure offers additional safety.

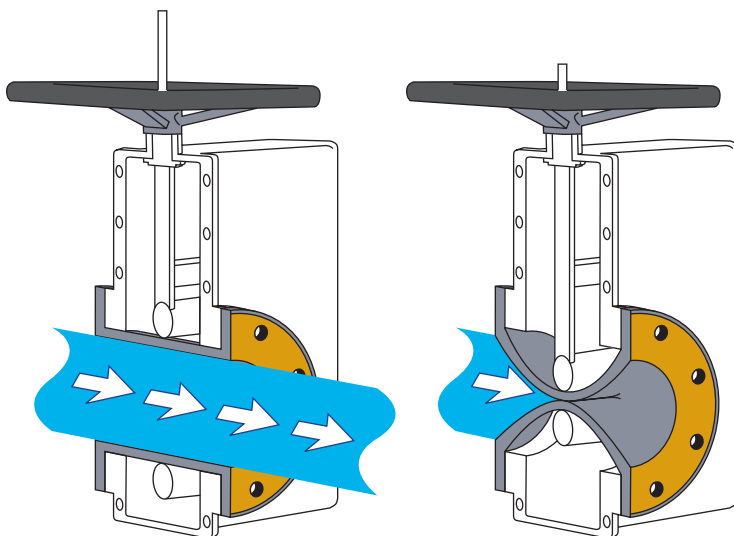
The heart of the Series 2000 Pinch Valve is a long-lasting, flexible rubber sleeve, available in a wide variety of elastomers suitable for any application. With its excellent control characteristics, the Series 2000 can be used as a manual throttling control valve. Reduced port, funnel port or double wall sleeves are available for these applications.



Typical Applications

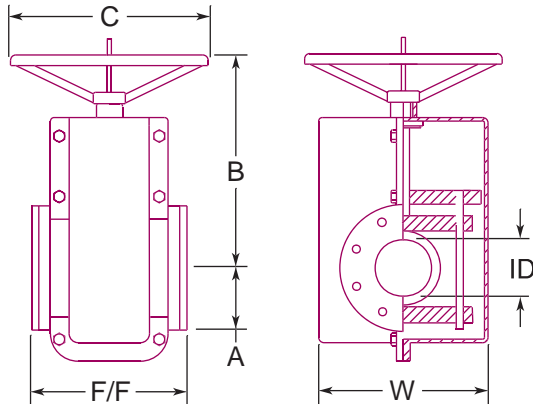
Waste and Water Treatment - Mine Slurries -
Chemicals - Cement - Pulp and Paper

The body of the Series 2000 Valve is constructed of ductile iron, but lightweight aluminum and corrosion resistant stainless steel are also available. 12" and larger body sizes are of fabricated steel design.



Series 2000 Pinch Valves provide excellent flow control compared to other valves due to their simple yet effective design. In addition, the sleeve is the only part of the valve exposed to the line process, eliminating corrosion of the more expensive mechanical components.

During operation, two pinch bars squeeze the flexible rubber sleeve, allowing the Series 2000 Valve to achieve a variable and stable flow rate. Fully open, the valve allows for full, straight through flow, eliminating areas where solids could build up and impair operation. Fully closed, the Series 2000 Valve maintains complete closure, with no leakage in either direction.



For engineering specifications or when placing your order, please provide the following information:

Flange Drilling ANSI 125 ANSI 300
 PN 6 PN 10
 PN 16 BS 10
 Other

ID ¹	1	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
F/F ¹	5-1/2	6-1/2	7	7-1/2	8	9	10	10-1/2	16	20	24	28	32	36	40	48
W ¹	5-1/4	5-3/8	7-1/8	9-3/4	8-1/4	9-1/2	12-1/2	13	18-1/2	22-1/2	25	29	33	35	39	50-1/2
A ¹	3	4	4-1/2	5	5	5-1/2	6-1/2	8	10	11	12	14	15	16	17	23
B ¹	7-1/2	7-1/2	9-3/8	9-3/8	10-1/2	12	16	18	22	24	25	29	32	35	37	43
C ¹	4	4	8	8	8	12	11	18	22	22	22	30	30	36	36	48
Work Press. ²	150	150	150	150	150	150	125	125	75	75	75	50	50	50	50	50
Weight ³ (est.)	12	25	34	43	52	123	200	300	345	410	472	588	930	1150	1300	1510

1 - inches 2 - psi 3 - pounds

Dimensions can be revised to suit custom specifications.

Elastomer Selection Guide

Ethylene Propylene Rubber (EPDM)

Most effective for applications involving water, steam or diluted acids.

Viton™ (FKM)

Resists solvents, halogenated hydrocarbons, oxygen, weather, ozone, oils and chemicals.

Buna N (NBR)

Resistant to kerosene, moderate chemicals, fats, oils, grease and many hydrocarbons.

Natural Rubber (NR)

Good abrasion resistance, tensile strength and resiliency. Also suitable when dealing with organic acids, alcohols, ketones and most moderate chemicals.

Hypalon™ (CSM)

Resists strong acids and bases, ozone, weathering, heat and oxidizing chemicals.

Butyl (CIIR)

Good resistance to animal and vegetable fats, strong and oxidizing chemicals, oils, heat and greases.

Neoprene (CR)

Generally resistant to oil and grease, moderate chemicals, fats, many hydrocarbons and ozone. Resistant to barnacle growth.

Teflon™ (AFMU)

Excellent resistance to chemicals. Fair abrasion resistance.

Options

Flange Drilling - ANSI, Metric, or custom drilling classes available.

Chainwheel Controls - For valves that are mounted out of reach.

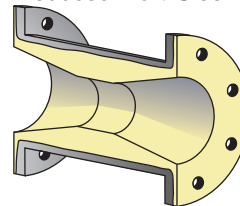
Bevel Gear - Suggested for high pressure applications or for valve's where diameter is at least 6" and pressure is 75 psi or above.

Stem Extensions - Available for hard to reach or buried service valves.

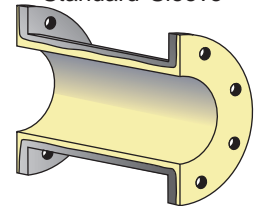
When placing your order, please indicate sleeve material by appending elastomer abbreviation (CR, NR, etc) to the model name.
IE: Series 2000-CR

Replacement Sleeves Styles for the Series 2000 Valve

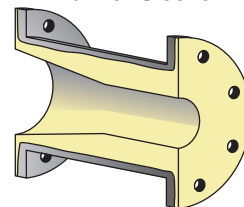
Reduced Port Sleeve



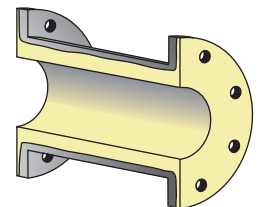
Standard Sleeve



Funnel Sleeve



Double Wall Sleeve



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E-mail: sales@evrproducts.com

ISO 9001 Certified



- Simple operation
- Only one moving part
- Tight seal around trapped solids
- Optional solenoid control for remote use
- Optional booster relay for rough throttling
- Suitable for vacuum service
- Straight through flow
- Long cycle life

The Series AJ Pinch Valve features a simple, cost-effective design, perfect for dealing with problematic abrasive materials. The valve's split body is designed to allow quick and easy sleeve replacement, and is available in a variety of materials.

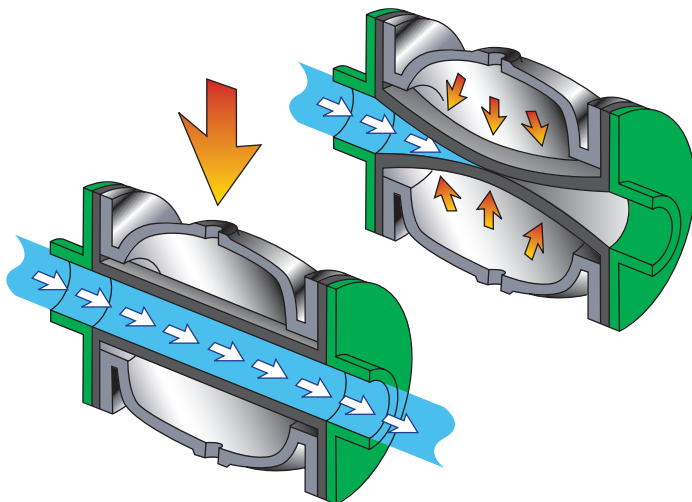
Replacement sleeves for the AJ Valve are available in several different types. Double wall sleeves are extra thick for greater wear resistance and longer life. Reduced port sleeves are also available. Food grade sleeves can be purchased for specialty applications. Please contact EVR or your local distributor for more information regarding replacement sleeves.



Typical Applications

Mining - Waste and Water Treatment - Food Processing - Mineral Processing

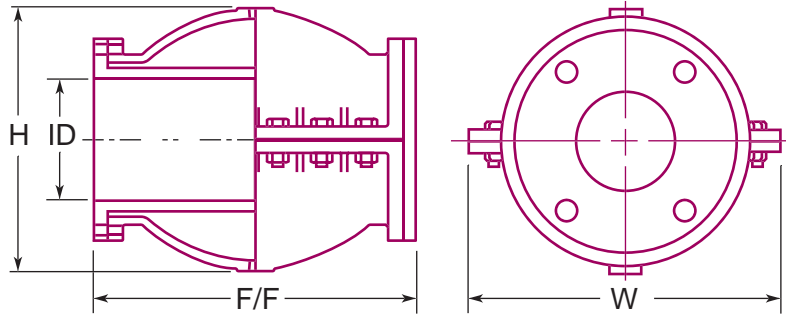
The body of the AJ Series valve is available in cast iron, aluminum, or stainless steel.



Series AJ Pinch Valves provide an effective means of flow control for hard-to-handle media such as slurries, sludges, and dry solids.

A flexible elastomer sleeve is contained in a cast metal housing. The annular cavity between the sleeve and the housing acts as the valve's actuator.

As pressurized air or water enters the housing, the sleeve is pinched shut. Venting the pressure allows the valve to resume full normal flow.



Operation of AJ Pinch Valves

To operate EVR AJ Pinch Valves, it takes 25 psi (+/- 10 psi) of differential pressure to close the valve tight. For example, if there is a flow of 15 psi running through the valve, expect to require a minimum of 40 psi on the control side to fully close the valve.

If possible, throttle the control air to give just enough pressure to operate the valve. The lower the pressure, the longer the sleeve will last.

Please note that different elastomer, sleeve, and application combinations may require higher differential pressures.

ID ¹	1/2	3/4	1	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
F/F ¹	3	4	5	7	9	10	12	12-1/2	16-1/2	20	22	24	26	30	34	39	43	51
H ¹	3-1/2	3-7/8	4-1/4	5	7-1/8	7-1/2	8-1/8	10-5/8	11-1/2	13-1/2	18	22-3/8	25	27-1/2	29-1/2	32-5/8	36-1/2	47
W ¹	4-1/2	5	5-3/4	6-1/2	8-1/2	9	10	11-3/4	11-3/4	15-1/4	17-1/2	19-3/8	21-1/2	24	25	28-1/4	29	37-1/2
Max. Work Pressure ²	125	125	125	125	125	125	125	100	75	75	75	50	50	50	50	25	25	25
Weight ³ (Cast Iron)	5	7	9	17	32	40	51	70	137	180	257	440	485	625	933	1300	1555	2525
Weight ³ (Aluminum)	2	4	6	8	15	20	23	34	60	88	120	195	252	291	340	560	670	790
Volume ⁴	.001	.002	.004	.012	.028	.054	.080	.166	.348	.529	1.032	1.815	2.583	3.880	6.579	9.404	12.001	20.116

1 - inches 2 - psi 3 - pounds 4 - ft³

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Elastomer Selection Guide

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Resists solvents, halogenated hydrocarbons, oxygen, weather, ozone, oils and chemicals.

Buna N (NBR)

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Hypalon™ (CSM)

Resists strong acids and bases, ozone, weathering, heat and oxidizing chemicals.

Butyl (CIIR)

Good resistance to animal and vegetable fats, strong and oxidizing chemicals, oils, heat and greases.

Neoprene (CR)

Generally resistant to oil and grease, moderate chemicals, fats, many hydrocarbons and ozone. Resistant to barnacle growth.

Valve Sizes Lgth.*

1"	1'
1.5" to 4"	2'
5"	3'
6' to 10"	4'
12" to 14"	5'
16"	6'
18"	7'
20" to 24"	8'

*Gasket length required for one valve.

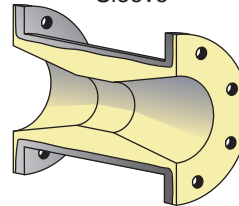
Diamond Seal Gasket

Whenever the Series AJ Valve is disassembled for inspection or maintenance, EVR recommends replacing the diamond seal gasket.

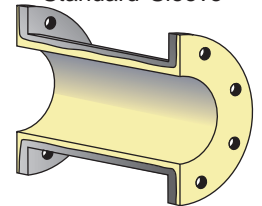
**When placing your order, please indicate sleeve material by appending elastomer abbreviation (CR, NR, etc) to the model name.
IE: Series AJ-CR**

Replacement Sleeves for the Series AJ Actuated Pinch Valve come in several different styles.

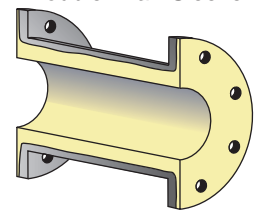
Reduced Port Sleeve



Standard Sleeve



Double Wall Sleeve



WARRANTY

All EVR products are guaranteed for one full year against defects resulting from faulty workmanship or materials. If any such product is found to be defective by reason of faulty workmanship or materials, upon written notice and return of the product, the defective product will be replaced by us free of charge, including the shipping charges for the replacement product. Claims for labour costs and other expenses required to replace such defective product, or to repair damage resulting from the use thereof will not be allowed by us. Our liability is limited to the price paid for the defective product. EVR Products shall not be bound by any warranty other than the above set forth unless such warranty shall be in writing. This literature is published in good faith and is believed to be reliable, however, EVR Products does not represent and/or warrant in any manner the above information and suggestions contained in this brochure. Data presented is the result of laboratory tests and field experience.

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