

DuraPinch® Legacy-Style Pinch Valves

LINEAR CLAMP STYLE (L SERIES)



L Series

Traditional Mechanical design utilizing linear press to to open and close the L Series valves.

- A01-Flange
- A02-Mini
- A03-Quick Clamp
- A04-AP Connection

- High grade sleeve materials: styrene to butadiene to numerous other elastomers and rubber compounds perfectly suited for any application.
- L Series linear closing clamp force is best suited for large diameter valves for best actuation efficiency.
- Extraordinarily abrasive/corrosive resistant; well suited for stormwater, slurries, chemicals, dry powders and granular substances.
- Multi-layer sleeve reinforcement perfected with decades of experience.
- Large Inventory available in many sizes and materials www.DuraPinch.com



www.DuraPinch.com

DURAPINCH LINEAR CONTROL PINCH VALVE



Typical Applications

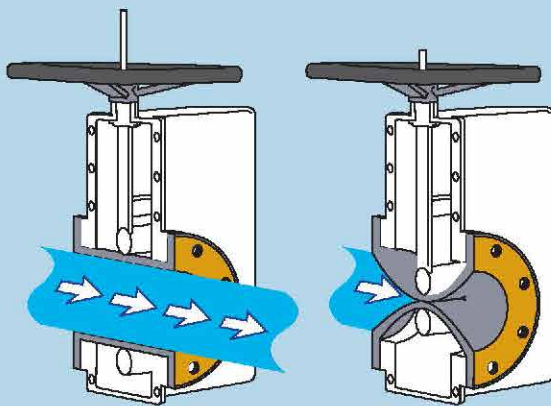
Waste and Water Treatment - Mine Slurries - Chemicals - Cement - Pulp and Paper

The standard body of the DuraPinch linear control valve is constructed of carbon steel, but lightweight aluminum and corrosion resistant stainless steel are also available.

- Completely Enclosed Or Open Body Style Available
- Available in Bottom and Centerline Closure
- Tight shut-off even on trapped solids
- Built-in over-pinch protection
- Positive opening tabs standard on all sleeves
- Full, flat-faced reinforced rubber flanges, eliminates need for gaskets
- Face-to-face values equal to industry standards

The DuraPinch linear control valve features a simple, lightweight, open-frame design which allows for easy visual verification of sleeve position. Available in double-acting, fail-open or fail-closed configurations, the Series 1200 can be fitted with pneumatic or electric actuators and pneumatic or electro-pneumatic position controllers.

DuraPinch linear control valves can be fitted with pre-pinchd or reduced port sleeves for precise flow control. Funnel port sleeves are recommended for high pressure drop applications. A wide range of elastomers are available to suit most service conditions.



DuraPinch "L-Syle" Linear control valves are available to suit most service conditions. They 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 DuraPinch linear control valve to achieve a variable and stable flow rate. Fully open, the valve allows for full, straight through flow. Fully closed, the DuraPinch linear control 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



www.DuraPinch.com

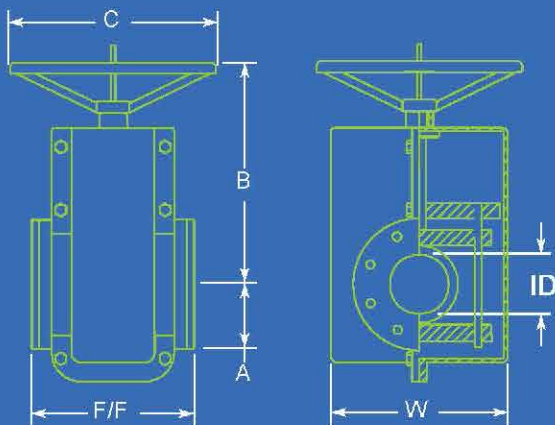
DURAPINCH LINEAR CONTROL PINCH VALVE

ID ¹	1	1-1/2	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
F/F ¹	7-1/4	8-3/4	10	10-7/8	11-3/4	13-7/8	17-3/4	21-3/8	26-1/2	29	35	40	45	50	60
W ¹	6	6-1/2	8	9	10	11-3/4	15-1/2	19	25	28	31-3/8	37	40	44	51-3/4
A ¹	2-1/4	2-1/2	3	3-1/2	3-3/4	4-1/2	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	-----Varies according to actuator selection-----														
Max. Work Pressure ²	150	150	150	150	150	150	125	125	125	100	75	50	50	50	50
Weight ³ (est.)	-----Varies according to actuator selection-----														

1 - inches 2 - psi 3 - pounds

Dimensions can be revised to suit custom specifications

Elastomer Selection Guide



Options

- **ACTUATOR**
Pneumatic, hydraulic and electric.
- **SOLAR POWER PACK**
For hydraulic actuation.
- **SOLENOID VALVE CONTROL**
- **POSITION INDICATOR / TRANSMITTER**
- **POSITIONER CONTROL**
With 3-15 psi instrument air signal.
- **POSITIONER AND I/P TRANSDUCER CONTROL**
With 4-20 mA instrument signal.
- **DIGITAL POSITIONER**
With HART communications protocol.
- **AUXILIARY HAND WHEEL OVERRIDE LIMIT SWITCHES**

ISO 9001 Certified



www.DuraPinch.com

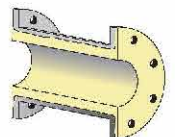
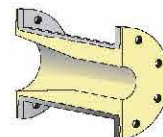
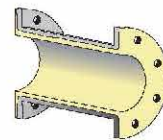
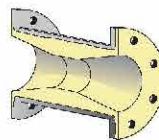
Replacement Sleeves Styles for the Series 1200 Valve

Reduced Port Sleeve

Standard Sleeve

Funnel Sleeve

Double Wall Sleeve



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.