

Mini-Pinch Valve



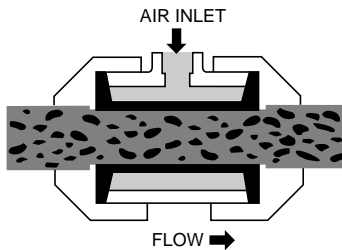
- Full port design
- Simple actuation
- On-Off or throttling
- Only 2 wetted parts
- Broad range of materials
- Tight shutoff even on trapped solids

Often, in slurry or dry powder systems, process is interrupted by gate, globe, plug or butterfly valves that have been clogged with material. There is a solution, Mini-Pinch Valves.

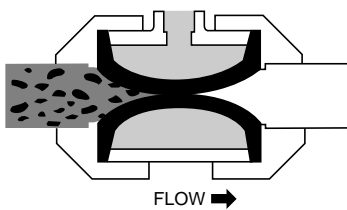
Designed for easy installation. Mini-Pinch Valves can be used to effectively control viscous or abrasive material flow. The rugged design delivers consistent and long life.

In operation, flow passes smoothly through the full port elastomer sleeve. To close the valve, plant or instrument air is introduced into the valve body. The increased pressure collapses the sleeve and stops the flow, even against trapped solids. To reopen the valve, the compressed air is vented and regular flow is restored. By changing the air pressure, flow rate can be controlled. Pulsing the air flow to the valve body can loosen packed material. The Cla-Val MPV valve features machined steel body and end fittings with corrosion resistant electroplate finish.

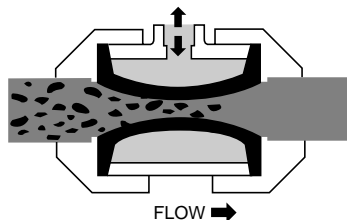
PRINCIPLES OF OPERATION



Valve is in open and normal flow of heavy slurries or dry powder materials is maintained.



Valve closes when compressed air is introduced into valve forcing the flexible sleeve to tighten, stopping flow.



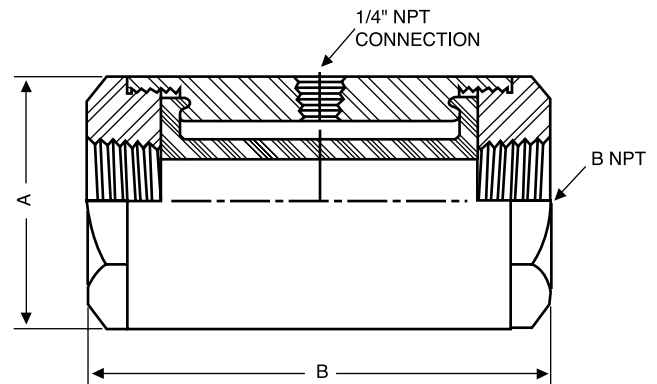
Flow is resumed when air pressure is released. Packed material can be loosened by pulsing the air supply which creates a throttling or flexing action of the sleeve.

Typical Applications

- Mining
- Pulp and Paper
- Food Processing
- Pharmaceutical
- Petrochemical
- Waste and Water treatment
- Paint, Ink and Resins

Typical Advantages

- Full port design
- On-off and throttling
- Wide material range
- Simple actuation
- Only 2 wetted parts
- Bubble tight closure even against solids



Size	Pipe Size NPT	A	B	Working Pressure
01	1/4	1 1/2	3	60 PSI
02	3/8	2 1/8	3 1/2	60 PSI
03	1/2	2 1/8	3 1/2	60 PSI
04	3/4	2 1/4	4	60 PSI
05	1	2 1/2	4 1/2	60 PSI
07	1 1/2	3 3/4	6 1/2	50 PSI
08	2	4	7	50 PSI
09	3	5	9	25 PSI