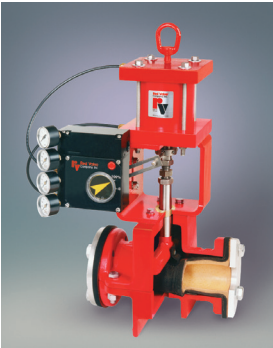


PCV - Series 5200 Pneumatic Actuated Control Pinch Valve



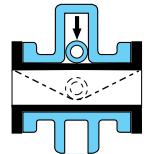
- High cycle life, repeatable control.
- Sleeve is the only component in contact with the media, eliminating the need for expensive alloy bodies.
- Versatile sleeve choices meet exact flow requirements.
- External stroke adjustment.
- Bi-directional, drop-tight shutoff.

Materials of Construction

- **Body:** Ductile iron
- **Sleeves:** Pure Gum Rubber, Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM)*, Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR).
* - White food grade options available.
- **Drilled and tapped flanges:** ASME 150, ASME B16.1 125 cast flanges, AWWA C110 125 flanges, EN1092 PN 6, EN1092 PN 10, EN1092 PN 16, JIS 5K, JIS 10K.
Other drill patterns available upon request.
- **Actuators:** Air to Open/Air to Close (ATO/ATC), Air to Open/Fail Close Spring (ATO/FCS), Air to Close/Fail Open to Spring (ATC/FOS).
- **Optional:** Extended stems and torque tubes, floorstands, control components.

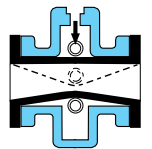
Red Valve's Series 5200 Control Valve design offers maximum durability with precise control and virtually zero maintenance. The heavy-duty pinch mechanism positions the sleeve for accurate control over a wide flow range. The valve has no packing to maintain or seats to wear, and the elastomer sleeve is the only component in contact with the media, eliminating the need for expensive alloy bodies.

The 5200 D-Port, in sizes over 4", has a bottom pinch bar that is used to reduce the stroke length of the valve by pre-pinching the sleeve into a D-shaped port, providing more immediate response to control signal with no loss of flow capacity.



5200
Closing Action

Cone 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. There is no splitting of the positioner output. The benefits of true feedback positioning on Red Valve's Series 5200 Valves are accurate small-change response signals to the positioner, causing similar changes in true valve position, greatly enhancing control accuracy.



5200 D Port
Closing Action

SERIES 5200

VALVE SIZE	DIMENSIONS in/mm				WORKING PRESSURE** psi/kPa	WEIGHT ATO/ATC* lbs/kg
	LENGTH L	WIDTH W	HEIGHT			
			H	ATO/ATC H1*		
1" 25mm	7.25 184	6.00 152	2.44 62	19 483	150 1030	80 36
1.5" 40mm	8.75 222	8.00 203	2.75 70	19 483	150 1030	95 43
2" 50mm	10.00 254	8.00 203	3.50 89	22 559	150 1030	125 57
2.5" 65mm	10.88 276	9.00 229	4.00 102	24 610	150 1030	150 68
3" 80mm	11.75 298	11.50 292	4.25 108	26 660	150 1030	185 84
4" 100mm	13.88 352	13.50 343	6.63 168	29 737	150 1030	225 102

* Consult factory for specific heights and weights of fail-close or fail-open valves.

** Higher working pressures available.

