

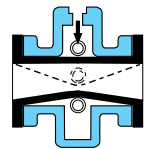
PCV - Series 5200 D-Port Control Pinch Valve



- Accurate, repeatable linear flow control.
- Large-diameter control valve provides immediate control response.
- Sleeve is the only component in contact with the media, eliminating the need for expensive bodies.
- Sleeve trim options match flow need.

Red Valve's Series 5200 D-Port Control Valve is an economical control valve choice. When fully open, the valve has an D-shaped port, with approximately 80% of the area and 95% of the flow of a full-ported valve. Flow control begins almost immediately, providing a near-linear flow characteristic. The D-Port configuration employs a single actuator that closes from the top. This design shortens the actuator stroke and thrust, which in turn reduces operating costs.

The rugged elastomer sleeve is self-cleaning, with no packing to maintain and it provides accurate, repeatable control. The Series 5200 D-Port Control Valve can be furnished with Standard, Double-Wall or Cone Sleeve designs to optimize valve performance for the applications' flow and media conditions.



5200 D Port Closing Action

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.

SERIES 5200 D-PORT

VALVE SIZE	DIMENSIONS in/mm				WORKING PRESSURE** psi/kPa	WEIGHT ATO/ATC* lbs/kg
	LENGTH L	WIDTH W	HEIGHT			
			H	ATO/ATC H1*		
6" 150mm	17.75 451	16.88 429	7.63 194	36.00 914	150 1030	305 138
8" 200mm	21.38 543	19.88 505	9.13 232	43.00 1092	150 1030	395 179
10" 250mm	26.50 673	23.50 597	11 279	43.00 1092	150 1030	520 236
12" 300mm	29.00 737	27.50 699	11.81 300	46.00 1168	150 1030	709 322
14" 350mm	28.00 711	31.00 787	14.00 356	51.00 1295	75 520	1200 544
16" 400mm	32.00 813	34.00 864	15.00 381	56.00 1422	50 350	1600 726
18" 450mm	36.00 914	44.00 1118	16.50 419	59.00 1499	50 350	2000 907
20" 500mm	40.00 1016	40.00 1016	17.00 432	62.00 1575	50 350	2450 1111
24" 600mm	48.00 1219	57.00 1448	20.50 521	69.00 1753	50 350	4250 1928
30" 750mm	60.00 1524	78.00 1981	19.38 492	74.00 1880	50 350	8300 3765
36" 900mm	72.00 1778	90.00 2286	33.50 851	96.00 2438	45 310	14,300 64,864

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

** Higher working pressures available.

For larger valve sizes up to 72", consult factory.

