

PCV - Series 9000 High Pressure Control Pinch Valve



- Working pressures up to 720 psi.
- High-pressure pinch valve design.
- Heavy-duty, high-pressure reinforced sleeve is the only wetted part.
- Extended service life.
- Bi-directional, drop-tight shutoff.

The Series 9000 Control Pinch Valve is Red Valve's answer for high-pressure applications. With Red Valve's Double Wall Sleeve, the Series 9000 features increased abrasion resistance and can accommodate pressures up to 720 psi (4960 kPa). The Series 9000 is also available with Red Valve's patented Cone Sleeve for control applications and the Standard Sleeve for lower-pressure requirements.

A heavy-duty solid steel stroke adjustment unit located on the base of the Series 9000 allows the user to fine-tune control or adjust stroke for sleeve wear due to abrasion, reducing system downtime.

The Series 9000 is available with various actuators such as bevel gear actuators for manual operation, hydraulic or electric actuators for automatic operation, and pneumatic actuators for smaller sized or low-pressure applications.

For applications with low-pressure requirements, the Series 9000 is also available in ASME Class 150 drilling configurations.

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.
- **Optional:** Extended stems and torque tubes, floorstands, control components.

SERIES 9000

VALVE SIZE	DIMENSIONS in/mm		HEIGHT		STANDARD PRESSURE FULL PORT SLEEVE		HIGH PRESSURE		WEIGHT kg/lbs
	LENGTH L	WIDTH W	H	H ₁ **	PORT SIZE P in/mm	MAX WORKING PRESSURE AT 100°F* psi/kPa	PORT SIZE P in/mm	MAX WORKING PRESSURE AT 100°F psi/kPa	
1" 25mm	7.75 197	12.00 305	6.00 152	16.00 406	1.00 25	720 4960	.50 13	720 4960	73 33
2" 50mm	9.50 241	16.00 406	8.00 203	22.00 559	2.00 51	335 2310	1.50 38	720 4960	229 104
3" 80mm	10.75 273	17.00 432	9.00 229	26.00 660	3.00 76	240 1655	2.00 51	720 4960	335 152
4" 100mm	14.00 356	20.00 508	11.00 279	28.00 711	4.00 102	185 1276	3.00 76	720 4960	438 199
6" 150mm	20.00 508	23.00 584	13.00 330	33.00 838	6.00 152	245 1689	4.00 102	720 4960	600 272
8" 200mm	26.00 660	25.00 635	15.00 381	39.00 991	8.00 203	250 1720	6.00 152	720 4960	802 364
10" 250mm	32.50 826	33.00 838	20.00 508	51.00 1295	10.00 254	200 1380	8.00 203	720 4960	1083 491
12" 300mm	38.50 978	40.00 1016	25.00 635	62.00 1575	12.00 305	175 1210	10.00 254	720 4960	1477 670

* Higher working pressures available.

** With hydraulic cylinder.

