

# PCV - Series 5300 Open Frame Control Pinch Valve



- Cost-effective, open-frame control valve design.
- Lightweight.
- High cycle life, repeatable control.
- Sleeve is the only wetted part.
- No packing to maintain, ever.

The Series 5300 features many of the same advantages of the Series 5200 in a lightweight, low-cost, open-frame design. The open-frame design is possible because the sleeve is the only wetted part of the pinch valve, protecting the operating mechanism and frame from corrosive or abrasive attack from the line process. A heavy-duty, rugged pinch mechanism pinches the sleeve, resulting in accurate flow control. The Series 5300 has no packing to maintain or seats to wear and is well suited for handling corrosives, powders and slurry materials.

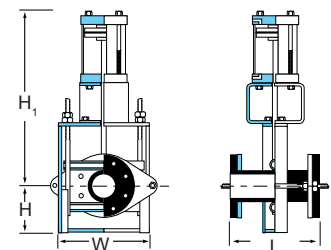
## Materials of Construction

- **Body:** Carbon steel or stainless steel frame
  - **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 300, 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.

Pneumatic, electric or hydraulic actuators are available, complete with pneumatic or electro-pneumatic positioners. The Series 5300 Control Pinch Valve is designed with a stroke adjustment that is located inside the valve yoke. The stroke adjustment unit allows customers to easily make small control changes in the field and simplifies actuator maintenance by creating a removal point in the valve stem. The stroke adjustment unit allows for fine-tuned flow control as the sleeve wears, particularly in slurry applications. Due to the fabricated open-frame design of the Series 5300, slight variations in face-to-face length can be accommodated.

## SERIES 5300

VALVE SIZE	DIMENSIONS in/mm				WORKING PRESSURE** psi/kPa	WEIGHT ATO/ATC* lbs/kg
	LENGTH L	WIDTH W	HEIGHT			
			H	ATO/ATC H1*		
2.00" 50mm	10.00 254	8.00 203	3.50 89	22.00 559	150 1030	63 29
2.50" 65mm	10.88 276	9.00 229	4.00 102	24.00 610	150 1030	75 34
3.00" 80mm	11.75 298	11.50 292	4.25 108	26.00 660	150 1030	90 41
4.00" 100mm	13.88 352	13.50 343	6.63 168	29.00 737	150 1030	113 51
6.00" 150mm	17.75 451	16.88 429	7.63 194	36.00 914	150 1030	153 69
8.00" 200mm	24.00 610	19.88 505	9.13 232	43.00 1092	125 860	198 90
10.00" 250mm	30.00 762	23.50 597	11.00 279	43.00 1092	100 690	260 118
12.00" 300mm	36.00 914	27.50 699	11.81 300	46.00 1168	100 690	355 161
14.00" 350mm	42.00 1067	31.00 787	14.00 356	51.00 1295	75 520	600 272
16.00" 400mm	48.00 1219	34.00 864	15.00 381	56.00 1422	50 350	800 363
18.00" 450mm	54.00 1372	44.00 1118	16.50 419	59.00 1499	50 350	1000 454
20.00" 500mm	60.00 1524	40.00 1016	17.00 432	62.00 1575	50 350	1225 556
24.00" 600mm	72.00 1829	52.00 1321	23.00 584	81.50 2070	50 350	2100 953
30.00" 750mm	90.00 2286	74.00 1880	30.00 762	102.00 2591	50 350	4100 1860
36.00" 900mm	108.00 2743	84.00 2134	36.00 914	122.00 3099	45 310	7100 3221



\* 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.