

Series 70 Open Frame Manual Pinch Valve



- Lightweight, open frame construction.
- Valve position instantly visible.
- Special fabricated design can accommodate custom face-to-face dimensions

Red Valve's Series 70 Open Frame Manual Pinch Valve is the counterpart to the unique Series 75. It has the same design features and advantages, but the heavy cast iron housing is eliminated and a strong fabricated steel body is in its place. The Series 70 is less costly, lighter and more versatile. It can be used when the location of the valve is not exposed to attack from corrosives or other volatile materials.

Materials of Construction

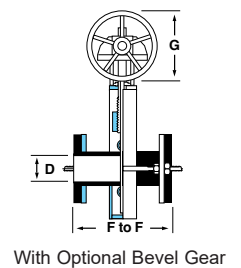
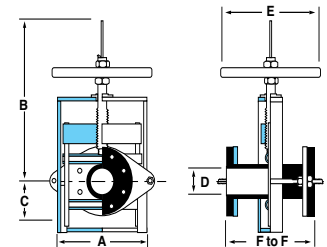
- **Body:** Fabricated carbon steel frame
- **Sleeves:** Pure Gum Rubber (PGR), Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM)*, Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR).
- *White food grade options available.
- **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.
- **Optional:** Extended stems and torque tubes, floorstands, chainwheels, limit switches.

The Series 70 is available in the same sizes and dimensions as the Series 75. Special face-to-face dimensions are available.

Operation of the Series 70 is the same as the Series 75, utilizing double pinch bars to compress the flexible rubber sleeve from above and below, closing simultaneously on centerline when the handwheel is turned.

SERIES 70

VALVE SIZE D*	DIMENSIONS in/mm						WORKING PRESSURE** psi/kPa	VALVE WEIGHT lbs/kg
	LENGTH F-to-F	WIDTH A	HEIGHT		HANDWHEEL DIAMETER			
			B	C	E	G		
1"	5.50	5.88	10.50	2.88	6.00	---	150	15
25mm	140	149	267	73	152	---	1030	7
1.5"	6.50	9.00	12.00	3.63	6.00	---	150	20
40mm	165	229	305	92	152	---	1030	9
2"	7.00	10.50	15.75	5.38	8.00	---	150	25
50mm	178	267	400	137	203	---	1030	11
2.5"	7.50	9.50	16.25	4.75	12.00	---	150	36
65mm	191	241	413	121	305	---	1030	16
3"	8.00	9.50	16.25	5.00	12.00	---	150	40
80mm	203	241	413	127	305	---	1030	18
4"	9.00	10.75	17.50	5.50	12.00	18.00	150	50
100mm	229	273	445	140	305	457	1030	23
5"	10.00	15.38	24.50	7.75	24.00	18.00	150	100
125mm	254	391	622	197	610	457	1030	45
6"	10.50	18.25	24.25	8.38	24.00	24.00	150	100
150mm	267	464	616	213	610	610	1030	45
8"	16.00	23.25	34.00	9.75	24.00	24.00	125	180
200mm	406	591	864	248	610	610	860	82
10"	20.00	31.25	37.00	10.00	24.00	24.00	100	200
250mm	508	794	940	254	610	610	690	91
12"	24.00	35.00	38.00	12.00	24.00	24.00	100	260
300mm	610	889	965	305	610	610	690	118
14"	28.00	37.00	36.00	14.38	24.00	24.00	75	473
350mm	711	940	914	365	610	610	520	215
16"	32.00	36.38	40.00	15.50	24.00	24.00	50	560
400mm	813	924	1016	394	610	610	350	254
18"	36.00	44.00	43.00	20.50	24.00	24.00	50	690
450mm	914	1118	1092	521	610	610	350	313
20"	40.00	49.25	45.00	21.00	24.00	30.00	50	770
500mm	1016	1251	1143	533	610	762	350	349
24"	48.00	51.00	51.50	25.00	24.00			1150
600mm	1219	1295	1308	635	610			522
30"	60.00	64.00	54.00	29.00	24.00			1770
750mm	15214	1626	1372	737	610			803
36"	72.00	77.00	65.00	35.00	24.00			2250
900mm	1829	1956	1651	889	610			1021
42"	84.00	90.00	76.00	41.00	24.00			3175
1050mm	2134	2286	1930	1041	610			1440
48"	96.00	101.00	86.00	46.00	24.00			3990
1200mm	2438	2565	2184	1168	610			1810



Contact
Factory

* Larger sizes available, consult factory.

** With optional bevel gear.