

# Type M

## Manually Operated Pinch Valve



- ▶ Same face-to-face as gate, plug and ball valves
- ▶ 100% full-port design
- ▶ Bi-directional, bubble-tight shutoff
- ▶ No packing to maintain, ever
- ▶ Sleeve is the only wetted part, reducing maintenance and alloy body costs

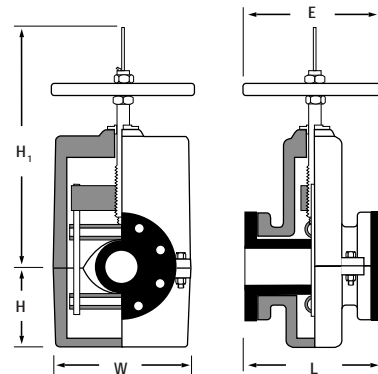


Type M manually operated pinch valves are reliable, maintenance-free, cost-effective valves designed for slurry and abrasive- and corrosive-chemical applications. There are no seats to grind, no stuffing boxes to repack and no packing glands to adjust. The pinching action is on centerline, so the valve closes on a smooth venturi.

The heart of this unique valve is the durable, flexible rubber sleeve which is reinforced with high-strength fabric. The sleeve, which is the only part of the valve exposed to the line process, eliminates maintenance and the need for expensive materials. Additionally, valve operation will not freeze, and operating torques remain constant. AWWA nuts, chainwheels, stem extensions and bevel gear actuators are also available.

### Materials of Construction

- ▶ Cast iron body, ANSI 125/150
- ▶ Sleeve available in Pure Gum Rubber, Neoprene, Hypalon®, Chlorobutyl, Buna-N, EPDM and Viton®



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Valve Size	Length L	Width W	Height		Handwheel Diameter E	Working Pressure psi	Weight lbs
			H <sub>1</sub>	H			
*1 x 1/2	5-1/2	5-7/8	10-1/2	2-7/8	6	150	20
*1 x 3/4	5-1/2	5-7/8	10-1/2	2-7/8	6	150	20
1	5-1/2	5-7/8	10-1/2	2-7/8	6	150	20
1-1/2	6-1/2	9	12	3-5/8	6	150	34
2	7	10-1/2	15-3/4	5-3/8	8	150	50
2-1/2	7-1/2	9-1/2	16-1/4	4-3/4	12	150	62
3	8	9-1/2	16-1/4	5	12	150	80
4	9	10-3/4	17-1/2	5-1/2	12	150	85
5	10	15-3/8	24-1/2	7-3/4	**18	150	170
6	10-1/2	18-1/4	24-1/4	8-3/8	**18	150	186
8	16	23-1/4	34	9-3/4	**18	125	400
10	20	31-1/4	37	10	**18	100	500
12	24	35	38	12	**18	100	650
14	28	37	36	14-3/8	**18	75	1,030
16	32	36-3/8	40	15-1/2	**18	50	1,250
18	36	44	43	20-1/2	**18	50	1,400
20	40	49-1/4	45	21	**18	50	1,610
24	48	51	51-1/2	25	**18	50	2,028

\*1 flange with smaller port opening    \*\*Bevel gear operators usually required    For larger sizes up to 72, consult factory