

PCV - Series 52H Large Diameter Manual Pinch Valve



- Accurate, repeatable linear flow control.
- Sleeve is the only wetted part, eliminating need for expensive alloy bodies.
- Sleeve trim options match flow needs.
- External stroke adjustment.
- Bi-directional, drop-tight shutoff.

The Series 52H Large Diameter Manual Pinch Valve offers maximum durability with repeatable control. A heavy-duty pinch mechanism positions the elastomer sleeve for accurate and repeatable control over a wide flow range.

The valve has no packing to maintain or seats to wear, virtually eliminating maintenance. A manual bevel gear closes the sleeve by activating a pinch bar from the top. The stroke length of the valve is reduced by pre-pinching the sleeve into a D-shaped port. The D-Port provides immediate flow control with no loss of flow capacity.

The Series 52H Large Diameter Manual Pinch Valve can be furnished with a Standard, Double-Wall or Cone Sleeve design. The rugged elastomer sleeve eliminates the need for expensive alloy bodies and is self-cleaning.

Materials of Construction

- **Body:** Ductile iron
- **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.
- **Bevel Gear Operator:** Heavy-duty carbon steel
- **Flanges:** ASME B16.5 Class 150 Flanges

SERIES 52H

VALVE SIZE D*	DIMENSIONS in/mm				WORKING PRESSURE* psi/kPa	VALVE WEIGHT lbs/kg
	LENGTH L	WIDTH W	HEIGHT			
			H	H ₁		
14" 350mm	28.00 711	37.00 940	38.00 965	14.38 365	75 520	1200 544
16" 400mm	32.00 813	40.00 1016	41.00 1041	15.50 394	50 350	1600 726
18" 450mm	36.00 914	47.50 1207	46.19 1173	17.00 432	50 350	2000 907
20" 500mm	40.00 1016	49.00 1245	52.19 1326	20.50 521	50 350	2450 1111
24" 600mm	48.00 1219	51.00 1295	56.00 1422	21.75 552	50 350	4250 1928
30" 750mm	60.00 1524	69.00 1753	73.00 1854	27.00 686	50 350	8300 3765
36" 900mm	72.00 1829	76.69 1948	82.25 2089	32.00 813	45 310	14,300 6486
42" 1050mm	84.50 2146	100.94 2564	96.00 2438	36.88 937	45 310	---
48" 1200mm	96.00 2438	102.88 2613	109.75 1854	41.69 1854	45 310	---

*Higher working pressures available.

