



**Fluidcheck**  
An ISO 9001:2008 Certified Company



# PINCH VALVE



## TIME TESTED DESIGNS WITH SUPERIOR PERFORMANCE

Fluidcheck Pinch Valves were developed to fill the need for a dependable, trouble-free, full flow and leak proof valve to handle slurries, solids in suspension and systems that convey solids pneumatically. Due to the absence of complex internal mechanism from the media, the problems of corrosion and metal contamination of fluids are successfully solved.

The design of Pinch Valves is such that the fluid medium never comes in contact with the metal, hence eliminating the need for high cost metal alloys for construction of valve body.

### OVERVIEW AND ADVANTAGES OF PINCH VALVES:

- ✓ Absolute Closure with Straight through Flow Virtually Eliminating Pressure Drop.
- ✓ Faultless sealing properties
- ✓ No metallic friction to cause wear
- ✓ Only one wearable part
- ✓ Controlled Regulation of Flow; Suitable for Throttling
- ✓ Ideal for Slurry & Sewage Applications
- ✓ Requires No Lubrication, No Preventive Maintenance
- ✓ Longer Service Life = Less Down Time & Maintenance Costs
- ✓ Economical to Buy, Install & Maintain
- ✓ All Spare Parts are Replaceable and readily available

### APPLICATIONS:

CORROSIVE FLUIDS  
ACIDIC & CAUSTIC  
CHEMICALS  
PULPS AND POWDERS  
PAPER INDUSTRIES  
ASH HANDLING  
CEMENT & COAL SLURRY  
MINING & METALLURGICAL

### SIZE RANGE:

DN 15 TO DN 300

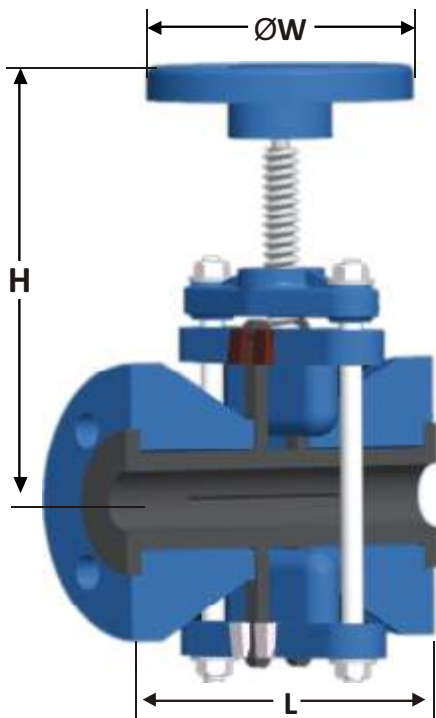
### STANDARDS:

DESIGN: FLUIDCHECK  
TESTING: BS EN 12266 1

### PRESSURE RATING:

Hydrostatic Proof Test  
Seat @ 10.5 Bar  
Air Seat Leak Test @ 5.6 Bar

*Proudly Serving Indian Industry since 1967*



## PINCH VALVE DIMENSIONS

SIZE	L	H	W
15	95	128	82
20	106	161	82
25	120	172	127
32	129	186	127
40	155	215	140
50	175	255	172
65	205	270	198
80	242	324	198
100	300	425	305
125	356	460	305
150	450	570	355
200	610	670	550
250	765	800	610
300	850	1090	610

All Dimensions are in mm

## PINCH VALVE MATERIAL SELECTION TABLE

PART NAME	MATERIALS
<b>BODY</b>	Cast Iron IS210 /FG 260, DUCTILE IRON 450/12, Aluminium BS GR LM-6, Carbon Steel WCB, Stainless Steel CF8
<b>SLEEVE / MUFF</b>	Natural Rubber, Neoprene, Hypalon, Butyl, Bromo-butyl, Viton, EPDM
<b>STEM &amp; SIDE ARMS</b>	EN8 / SS 410 / SS 316 / SS 304
<b>OPERATOR</b>	Cast Iron / Ductile Iron Hand Wheel, Gear or Chain Wheel Operated, Hydraulic, Pneumatic Actuator, Electric Actuator

**CHOICE OF MUFFS:** Muff life depends not only upon the nature of the fluid handled but also upon the temperature, pressure and frequency of the operations. Muffs can be moulded in variety of compounds as per customer requirement.

MATERIAL	TEMPERATURE RANGE		APPLICATION
	MIN	MAX	
Natural Rubber NR	-20°C	+70°C	Ash, Cement Slurry, Coal Slurry, Metal ore, low concentrate acid
Viton	-5°C	+175°C	Aggressive Acid Slurry
Neoprene CR	-30°C	+80°C	Caustics, Salts, Sand, Chips Pyrites, Zinc Slurry
Butyl Rubber IIR	-20°C	+120°C	Concentrated HCL, Phosphoric acid, Nitric Acid
Bromo Butyl BIIR	-20°C	+160°C	Concentrated HCL, H <sub>2</sub> SO <sub>4</sub> , Phosphoric acid, Nitric Acid
Hypalon CSM	0°C	+100°C	Strong acid Slurry
EPDM	-40°C	+130°C	High Temperature Acids

ALSO AVAILABLE: **FLUIDCHECK BUTTERFLY VALVE, DIAPHRAGM VALVE, PISTON VALVE, SWING CHECK VALVE**

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