



Fluidcheck
An ISO 9001:2008 Certified Company



DIAPHRAGM VALVE



AN ANSWER TO PROCESS ENGINEERS' NEED FOR RELIABLE, LOW COST, LEAK TIGHT VALVES FOR USE IN HANDLING CORROSIVE OR HAZARDOUS FLUIDS AS WELL AS AIR, WATER AND NORMAL LIQUID, GAS AND SLURRY FLOWS.

Fluidcheck Diaphragm Valves incorporate an exclusively engineered weir profile for POSITIVE SHUTOFF. It's compact and robust design with simple construction conforms to BS 5156 Design and BS 6755 Test Standards while offering wide range of material selections accommodating most applications within its temperature and pressure ranges which can be used with acidic, alkali, corrosive and abrasive applications.

ADVANTAGES OF FLUIDCHECK DIAPHRAGM VALVES:

- ✓ FLEXIBLE SEALING & 100% LEAK PROOF WITH MINIMUM FLOW RESISTANCE
- ✓ FIELD SERVICEABLE WITH EASY REPLACEABLE DIAPHRAGM WITH BODY REMAINING IN THE PIPE
- ✓ OPERATING MECHANISM FREE FROM TRANSPORTED FLUIDS
- ✓ FOOL PROOF PROTECTION FROM CORROSION AND EROSION WITHOUT RECOURSE TO METAL CONTACTS
- ✓ WIDE RANGE OF BODY AND DIAPHRAGM MATERIALS
- ✓ IDEALLY SUITABLE FOR VACUUM SERVICE IN LOW MICRON RANGE
- ✓ RAISING AND NON-RAISING HAND WHEELS
- ✓ ADAPTABLE TO ELECTRIC, HYDRAULIC, PNEUMATIC ACTUATORS FOR CONTROL AUTOMATION
- ✓ THRUST BEARINGS FOR VALVES ABOVE 80NB SIZES FOR MINIMAL OPERATING TORQUE
- ✓ **FULLY INTERCHANGEABLE PARTS REPLACEMENT**

APPPLICATIONS:

CHEMICAL PLANTS
PETROLEUM INDUSTRIES
METALLURGICAL & MINING
FERTILIZER PLANTS
WATER TREATMENT
PHARMACEUTICAL

SIZE RANGE:

DN 15 TO DN 300

STANDARDS:

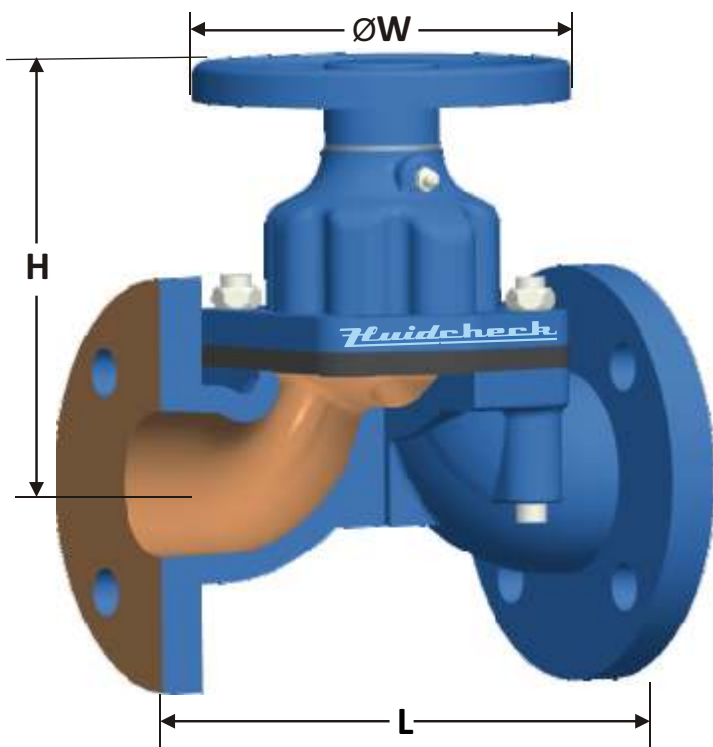
DESIGN: BS 5156
FACE TO FACE: BS 5156
TESTING: BS EN 12266 1

PRESSURE RATING:

PN 16: DN15 TO DN50
PN 10: DN65 TO DN150
PN 6: DN150 TO DN300

100% HYDROSTATIC TESTED

Proudly Serving Indian Industry since 1967



DIAPHRAGM VALVES DIMENSIONS

SIZE	L	H	W
15	114	98	60
20	123	98	60
25	133	105	80
32	152	140	120
40	165	155	120
50	196	175	120
65	222	210	170
80	260	220	230
100	311	295	280
125	362	370	280
150	414	430	370
200	531	515	460
250	645	585	610
300	759	680	690

All Dimensions are in mm
Distance 'L' includes Lining Thickness

DIAPHRAGM VALVE MATERIAL SELECTION TABLE

PART NAME	MATERIALS
BODY / BONNET	Cast Iron IS210 /FG 260, Ductile Iron 450/12, Carbon Steel WCB, Stainless Steel CF8M
LINING ON BODY	Natural Rubber, Hard Rubber / Ebonite, Neoprene, Hypalon, Butyl, Bromobutyl, EPDM, FRP Bisphanol, FRP Isophthalic
DIAPHRAGM	Natural Rubber, Neoprene, Hypalon, Butyl, Bromo-Butyl, 2-piece Teflon, Viton, EPDM, PTFE
STEM	EN8 /SS 410 /SS 316 /SS 304
OPERATOR	Cast Iron / Ductile Iron Hand Wheel, Hydraulic, Electric & Pneumatic Actuators

CHOICE OF DIAPHRAGMS:

MATERIAL	TEMPERATURE RANGE		APPLICATION
	MIN	MAX	
Natural Rubber NR	-20°C	70°C	Water, gases, Sewage, brine
Neoprene © - NBR	-30°C	80°C	Weak Chemicals, air, oil, Abrasive Fluids
Butyl IIR	-20°C	100°C	Chemicals, gases, strong acids
Hypalon © - CSM	0°C	100°C	Oxidizing fluids, Concentrated Sulphuric acids
Viton	-5°C	175°C	Hydrocarbons, Acids, chlorine
EPDM	-40°C	135°C	Radio Active fluid
SILICON	-40°C	180°C	High Temperature
PTFE Butyl Backing	-20°C	150°C	All Chemicals

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

FLUIDCHECK VALVES P LIMITED

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