

DUAL DIAPHRAGM CHECK VALVE



40 Bar Valve

DUAL's Diaphragm Check Valve is drip-proof and may be mounted in any position. As there are no moving metal parts, operation is silent. For superior shock resistance, glow plates are Carbon Steel which can be coated for various applications. If required, valves can be manufactured in Stainless Steel. The incorporation of a natural rubber disc results in positive closure, the elimination of water hammer and negligible maintenance. The rubber disc does not stretch on opening, eliminating tearing. Diameter and port design of the flowplate allows for easy flow.

PRODUCT SPECIFICATION

BODY SIZE: 80mm - 400mm.

BODY: Fabricated Carbon Steel or Stainless Steel.

DIAPHRAGM: Natural Rubber, EPDM, Butyl.

FLOW RATE: See pressure drop chart.

WORKING TEMPERATURES: -20°C to 100°C.

VALVE TYPE: Flanged, Wafer or Foot Valve.

PRESSURE RATING: 0 Bar to 100 Bar.
For higher pressures, please consult our factory.

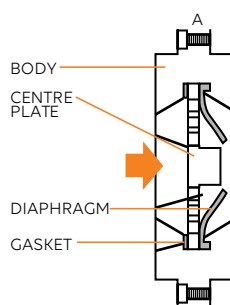
FLANGE DRILLING: BS4504, ANSI and DIN.

MATERIAL CERTIFICATION: Certified Chemical and Physical test reports can be supplied.

FEATURES

- Long operating life.
- Perfect sealing.
- No moving mechanical parts.
- Will seal on solids/scale.
- Ease of installation.
- Quick response to reverse flow.
- Maintenance free.
- Light weight construction.
- Silent non-slam, reduces pipe hammer.
- Can be mounted in any position.
- Simple construction - one moving part.

WAFER NON RETURN VALVE



VALVE SIZE (mm)	50	80	100	150	200	250	300
A (mm)	43	65	64	76	89	114	114
B (mm)	109	144	164	220	275	330	380
Weight (kg)	3	6	10	19	35	60	90

APPLICATIONS

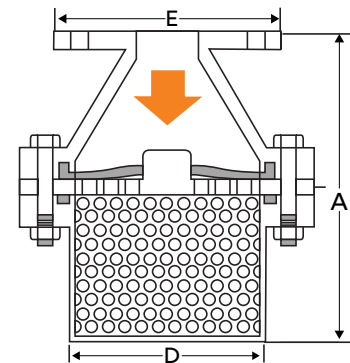
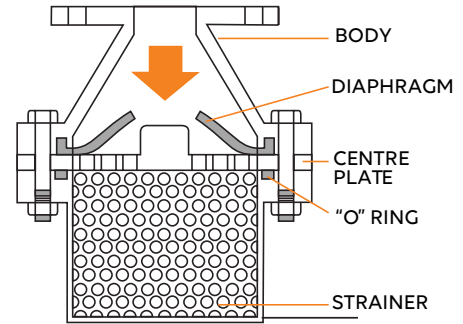
- Any fluid circuit or system.
- Vacuum systems.
- Pneumatic conveying system.
- Foot valve or pump suction.
- Diffuser valve for air agitation.
- Environmental and effluent.
- Water and wastewater.

DIMENSIONS AND WEIGHTS

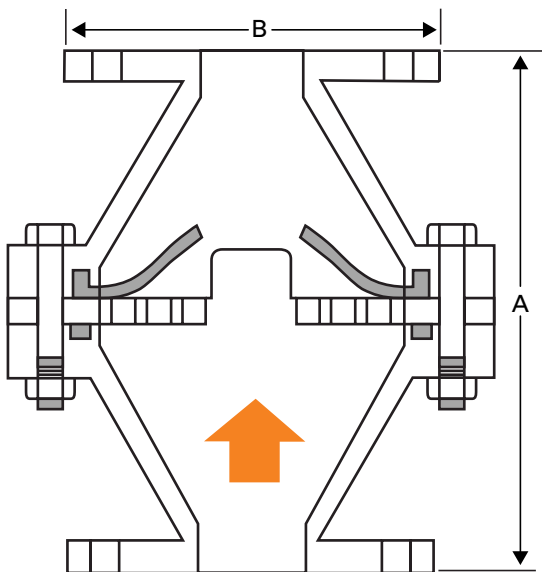
VALVE SIZE (mm)	F/F A	B	WEIGHT (kg)		
			16 BAR	25 BAR	40 BAR
50	182	224	20	30	50
80	235	280	31	40	60
100	280	290	43	50	80
150	398	306	790	90	110
200	475	326	110	120	150
250	525	352	153	170	190
300	620	440	209	220	240
350	720	470	280	300	320
400	790	500	410	450	480
450	900	584	466	480	500
500	1010	612	600	650	700
600	1360	820	875	900	950

Contact Dual Valves for larger sizes. Dimensions are for guidance only - detailed dimension drawings available on request. All dimensions are in millimeters, unless stated.

FOOT VALVE

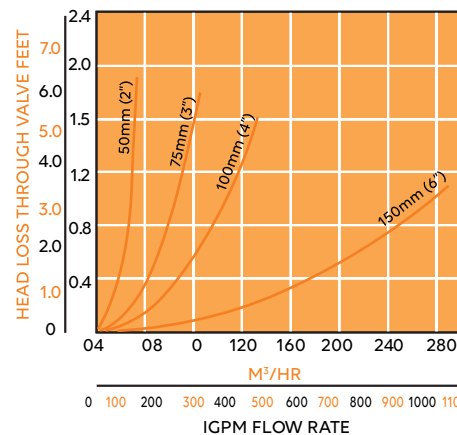


VALVE SIZE (mm)	50	80	100	150	200	250	300	350	400	450	500	600
A (mm)	224	280	290	306	326	352	440	470	500	584	600	700
B (mm)	118	152	157	169	179	192	236	251	270	312	350	450
C (mm)	106	128	133	137	147	160	204	219	230	272	300	400
D (mm)	110	150	180	300	360	385	495	560	660	760	800	900
E (mm)	182	235	280	398	475	525	620	720	790	900	1000	1200
WEIGHT (kg)	13	20	27	50	69	96	132	176	258	294	350	400

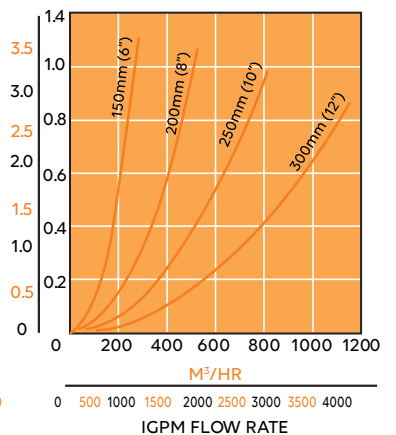


PRESSURE DROP CHARACTERISTICS

Valves 150mm and under
CURVE No. 1



Valves 150mm and over
CURVE No. 2



CORPORATE HEADQUARTERS:
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