

BALL TYPE CHECK VALVES F/E-B-01

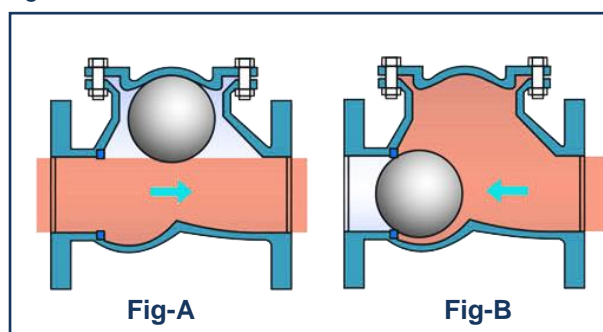
PRINCIPLE OF OPERATION :-

The reinforced rubber ball is the heart of this valve. This ball in the designed path of the valve moves freely and promptly reacts to the ON & OFF of the pump. The ball moves to open position when the pump starts & allows free flow of liquid without any interference. (Fig- A) As the pump stops, the ball seats firmly against the metal seat due to its own weight & back pressure of the liquid (Fig-B) This results in DROPLESS sealing



SILENT FEATURES :-

- ❖ New generation valve with unique and non-conventional design.
- ❖ Suitable for a very wide range of applications like slurry, sewage, paper, chemical, water supply, agriculture, muddy water, slurry, paper stock, viscous liquid and clear water.
- ❖ Robust and very simple mechanism.
- ❖ A floating reinforced rubber coated ball is used instead of hinge-pin-disc.
- ❖ Highly sensible to arrest flow with perfect sealing.
- ❖ Very low head loss
- ❖ Non clogging and self cleaning mechanism
- ❖ Maintenance free
- ❖ Power saving
- ❖ Large solid handling capacity
- ❖ Dimensionally conforming with IS 5312
- ❖ Installation can be vertically or horizontally
- ❖ Operates silently upto 80°C
- ❖ This valve has a quality for withstanding consistent performance and longer life.

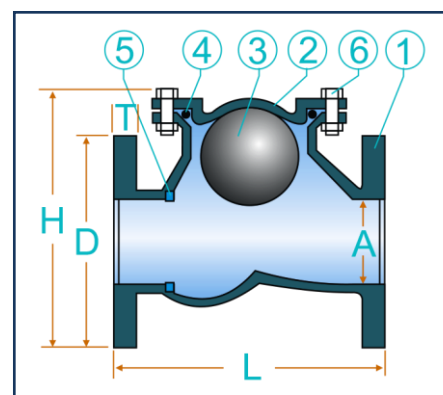


PRESSURE RATING :-

- ❖ Size 25 - 125 mm = PN 16,
- ❖ 150 - 300 mm = PN 10, 350mm =PN 6
- ❖ Body test : 1.5 times rated Pressure
- ❖ Seat test : 1.1 times rated Pressure

MATERIAL OF CONSTRUCTION :-

Part	Description	Standard	On Request
1	Body / Cover	Cast Iron	SG Iron(DI)/WCB/St.Steel
2	Ball	Nitrile Reinforced	EPDM, Neoprene
3	Cover Ring	Nitrile Rubber	Butyle, Viton
4	Ball Seat Ring	L. T. Bronze	St. Steel, Hard Rub.
5	Fasteners	Carbon Steel	St. Steel
6	End Connection	Flanged	



Dimensions (A=Size) (All Dimensions are in mm)

A	25	40	50	65	80	100	125	150	200	250	300	350
D	115	150	165	185	200	220	250	285	340	395	482	527
L	144	174	200	240	260	300	350	400	500	600	700	800
H	115	160	180	210	230	280	340	400	500	570	680	800
T	15	15	16	16	19	20	21	21	22	24	25	29

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