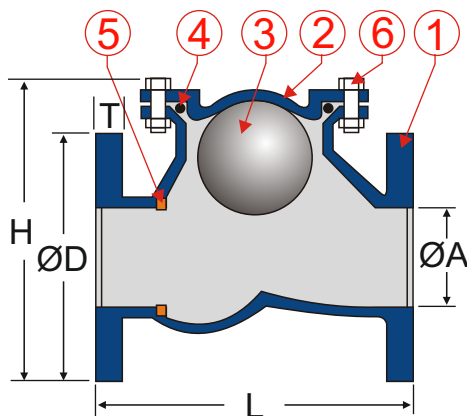


Ball Check Valve (Double Flanged) : Model B-01



Features of the Valve

- Ball type design gives 100% leak proof sealing.
- Lower Head Loss / Pressure drop across the valve.
- Full bore, undisturbed flow, no obstruction to liquid flow.
- Reduce frictional losses.
- No mechanism involved. Virtually maintenance free.
- Non-clogging & self cleaning mechanism due to circular shape of ball.
- Dimensionally confirming with IS : 5312-1984/DIN 3202F6 / EN 558-1-548
- Can be installed horizontally as well as vertically.
- Energy saving as above
- Consistent performance and longer life.



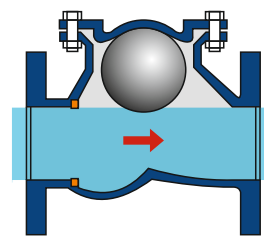
Note : *W : Width of Valve (not shown in drawing)

Overall dimensions to be as L x W x H

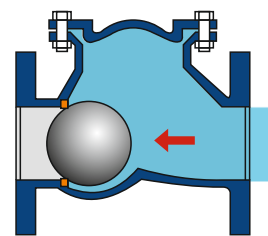
- The valve flanges to be drilled as per customers requirements.
- Flange diameter shown as per IS 1538 / DIN 2532

Principle

The reinforced rubber ball is the heart of this valve. This ball in the valve moves freely and promptly reacts to the START & STOP 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.



(Fig.A)



(Fig.B)

Pressure rating

Size	Rating MPa/(kg/cm ² or Bar) For CI Construction	Rating MPa/(kg/cm ² or Bar) For DI (SGI), WCB, SS Construction
25 - 200NB	PN 1.6 / (16)	PN 2.0 / (20)
250 - 300NB	PN 1.0 / (10)	PN 1.6 / (16)
350NB	PN 0.6 / (6)	PN 1.0 / (10)

(For CI Construction)

Part List / Materials of Construction

Part	Description	Standard	Special
1.	Body	Cast Iron IS210, FG260/GG25	DI (SGI)/WCB/SS
2.	Cover	Cast Iron IS210, FG260/GG25	DI (SGI)/WCB/SS
3.	Ball	Nitrile Rubbercoated	EPDM, Neoprene
4.	Cover Ring	Nitrile ASTM D2000	Viton
5.	Seat Ring	SS 304	L.T.Bronze
6.	Fasteners	Carbon Steel CL4	St. Steel

Dimensions (ØA = Valve size in mm NB)

ØA	25	40	50	65	80	100	125	150	200	250	300	350
ØD	115	150	165	185	200	220	250	285	340	395	445	505
L	144	175	200	240	260	300	350	400	500	600	700	800
H	125	170	188	222	242	285	345	410	510	600	700	835
T (Min)	15	16	17	20	20	22	22	27	28	28	28	32
*W	115	150	165	185	200	220	280	310	375	433	501	540
App wt.(kg)	4.5	7	9	14	20	25	50	60	105	165	223	310