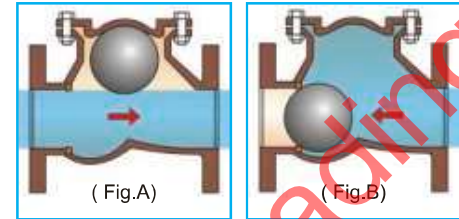


Ball Check Valve (Flanged) : Model B-01

■ Principle

The reinforced rubber ball is the heart of this valve. This ball in 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.



■ Features of the Valve

- New generation valve with unique and non-conventional Ball Check 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 DIN 3202-F6 / EN558-1-S48 / 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.



■ Part List / Materials of Construction

Part	Description	Standard	Special
1.	Body	Cast Iron IS210, FG200(min)/GG25	St. Steel, Cast Steel
2.	Cover	Cast Iron IS210, FG200(min)/GG25	St. Steel, Cast Steel
3.	Ball	Nitrile Rubbercoated	EPDM, Neoprene
4.	Cover Ring	Nitrile ASTM D2000	Butyle, Viton
5.	Ball Seat Ring	L.T.Bronze LTB2	St. Steel, Hard Rub.
6.	Fasteners	Carbon Steel CL4	St. Steel

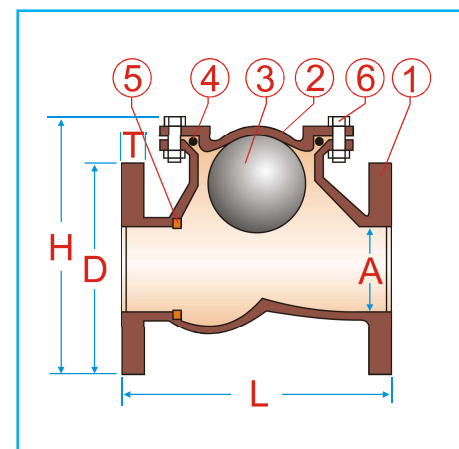
■ Dimensions (ØA = Valve size in mm NB)

ØA	25	40	50	65	80	100	125	150	200	250	300	350
ØD	116	151	166	189	201	228	250	290	346	410	486	529
L	143	175	202	241	260	300	352	402	503	600	700	800
H	125	165	185	210	250	285	340	410	505	600	670	835
T (Min)	15	16	17	20	20	22	22	25	24	28	28	32
Width	115	150	166	186	202	221	275	307	375	433	501	535
App wt.(kg)	4.5	6.9	9.2	13.1	19.0	25.0	46.0	60.0	105.0	165.0	223.0	310.0

■ Pressure rating

Size	Rating (MPa)	Rating (Kg/Cm ²)/(Bar)
25 - 125NB	PN 1.6	PN 16
150 - 300NB	PN 1.0	PN 10
350NB	PN 0.6	PN 6

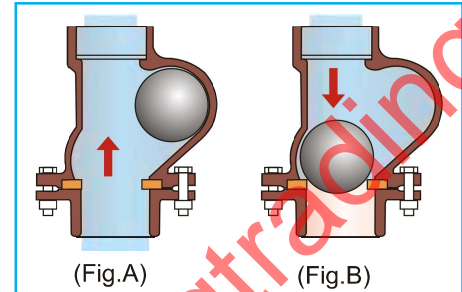
(For CI Construction)



Ball Check Valve (Threaded) : Model B-06

■ Principle

The reinforced rubber ball is the heart of this valve. This ball in 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.



■ Features of the Valve

- New generation valve with unique and non-conventional Ball Check design.
- This valve is offered in both end-threaded 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
- 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	Rating (MPa)	Rating (Kg/Cm ²)/(Bar)
25 - 100NB	PN 0.6	PN 6

(For CI Construction)

■ Part List / Materials of Construction

Part Description	Material
1. Body	Cast Iron - IS210, FG200 (min) / GG25
2. Ball	Nitrile Rubber Coated
3. Seat Ring	Nitrile ASTM D-2000 / L.T. Bronze (100MM Size Only)
4. Fastener	Carbon Steel CL4
5. Adaptor	Cast Iron - IS210, FG200 (min) / GG25

■ Dimensions (ØA = Valve size in mm NB)

ØA	25	32	40	50	65	80	100
H	125	147	146	173	210	260	293
W	114	117	125	130	170	205	265
APP. Wt.(kg)	1.5	2.0	1.8	3.3	5.8	8.5	13.0

