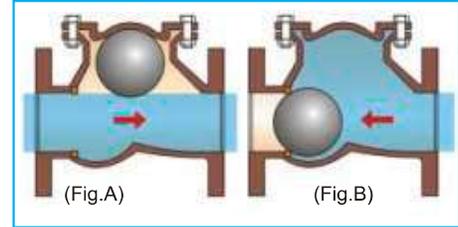


Rubber Lined/FRP Lined Ball Check Valve : Model B-02

■ Principle

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 & backpressure of the liquid (Fig. B) This results in DROPLESS sealing. In this Rubber Lined Ball Check Valve, the entire wetted area inside the valve is lined with rubber so nowhere metal part comes in contact with fluid. This feature is highly effective in pumping of corrosive & erosive fluids. The overall dimension of this valve will be similar to our Model B-01 except face to face length more by 6 to 10mm.



■ Features of the Valve

- New generation valve with unique and non-conventional Wall Check design.
- This check valve is offered with inside lining of Rubber/FRP
- The selection of elastomer can be offered depending on chemicals/abrasives handled.
- Most suitable valve for handling chemicals/abrasives
- Suitable for handling corrosive and erosive fluids
- 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. Length more by 6 to 10mm
- 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 1.6	PN 16
150 - 300NB	PN 1.0	PN 10
350NB	PN 0.6	PN 6

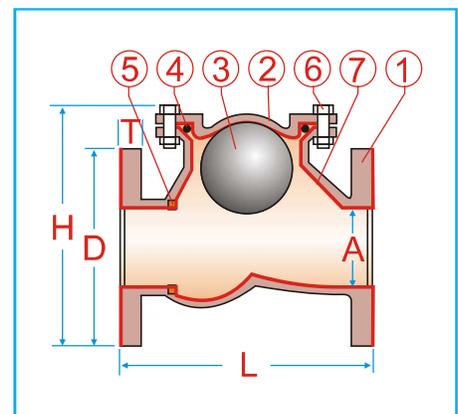
(For CI Construction)

■ 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 GG 25	St. Steel, Cast Steel
3.	Ball	Nitrile Rubbercoated	EPDM, Neoprene
4.	Cover Ring	Nitrile ASTM D2000	EPDM, Neoprene
5.	Ball Seat Ring	Integral of rubber	
6.	Fasteners	Carbon Steel CL4	St. Steel
7.	Rubber Lining	Ebonite Rubber	

■ Dimensions (∅A = Valve size in mm NB)

∅A	25	40	50	65	80	100	125	150	200	250	300	350
∅D	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



* This length is without lining. With lining, total length shall be 6-12mm more and flange thickness 3-6mm more depending on lining thickness.