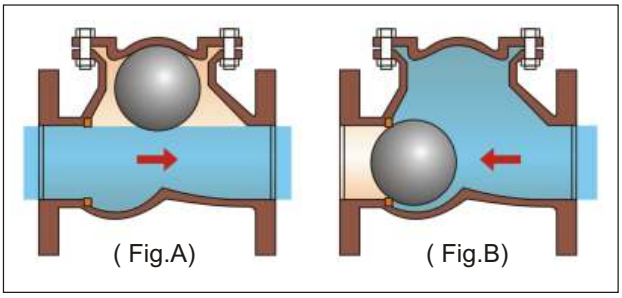
normex Ball Check Valve (Flanged) Model B-01

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 & back pressure of the liquid (Fig B) This results in DROPLESS sealing.



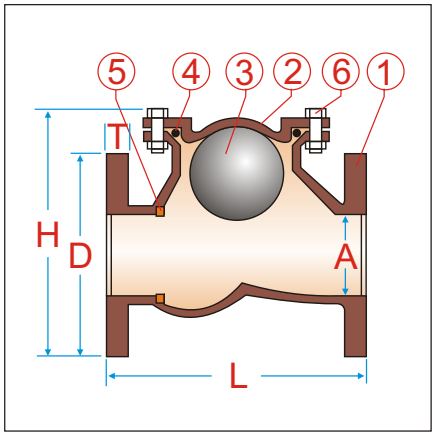
Features of the Valve

- 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 DIN 3202-F6 / EN558-1-S48 / IS 5312
- Installation can be vertically or horizontally
- Operates silently upto 80 oC
- This valve has a quality for withstanding consistent performance and longer life.

Pressure rating

Size	Rating
25 - 125NB	PN 1.6
150 - 300NB	PN 1.0
350NB	PN 0.6

For CI Construction.



Part List / Materials of Construction

Part	Description	Standard	Special
1.	**Body**	Cast Iron GG 25	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	Butyle, Viton
5.	**Ball Seat Ring**	L.T.Bronze LTB2	St. Steel, Hard Rub.
6.	**Fasteners**	Carbon Steel CL4	St. Steel

Dimensions (A = Valve size 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	445	527
L	144	174	200	240	260	300	350	400	500	600	700	800
H	125	165	185	210	250	285	340	415	505	600	670	835
T	15	15	16	16	20	22	22	24	23	28	28	32
Width	115	150	166	186	202	221	275	307	375	433	501	535
Wt.(kg)	4.0	6.5	9.5	13.0	19.0	28.0	46.0	60.0	103.0	156.0	209.0	310.0

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