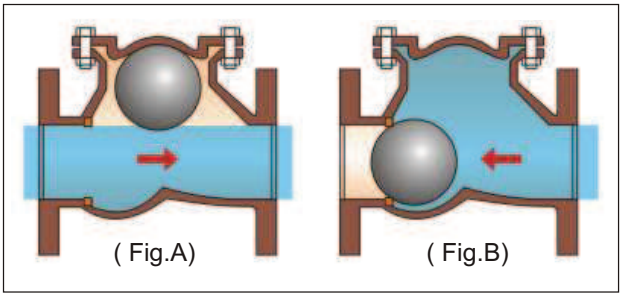
normex Ball Check Valve (Flanged) Model B-01

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

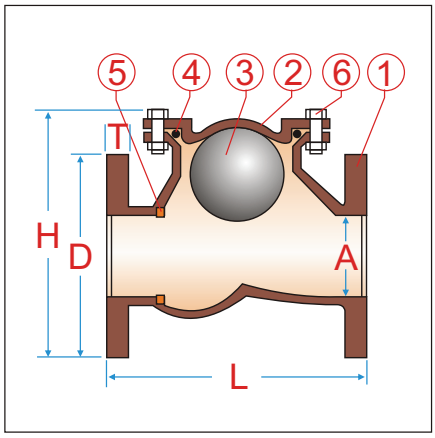
- New generation valve with unique and non-conventional design.
- Suitable for a very wide range of applications like slurry, sewage, paper, chemical, water supply, agriculture, muddy water, slurry, paper stock, viscous liquid and clear water.
- Robust and very simple mechanism.
- A floating reinforced 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 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 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

Part List / Materials of Construction

Part	Description	Standard	Special
1.	**Body**	Cast Iron	St. Steel, Cast Steel
2.	**Cover**	Cast Iron	St. Steel, Cast Steel
3.	**Ball**	Nitrile Reinforced	EPDM, Neoprene
4.	**Cover Ring**	Nitrile Rubber	Butyle, Viton
5.	**Ball Seat Ring**	L. T. Bronze	St. Steel, Hard Rub.
6.	**Fasteners**	Carbon Steel	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	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

normex VALVES PVT. LTD.
J-511, MIDC, BHOSARI,
PUNE - 411026 (INDIA)
Tel/Fax : +91-20-27472398, 27473022
E-mail : normex@pn2.vsnl.net.in
Web site : www.normexvalves.com