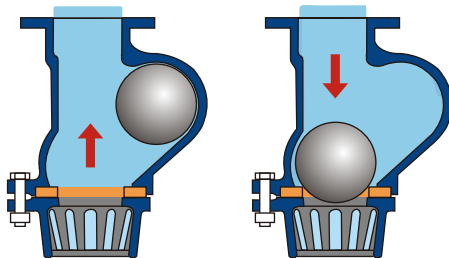


## Ball Foot Valve (Flanged) : Model B-05 (N)

### 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



(Fig.A)

(Fig.B)

### Features of the Ball Type Foot Valve

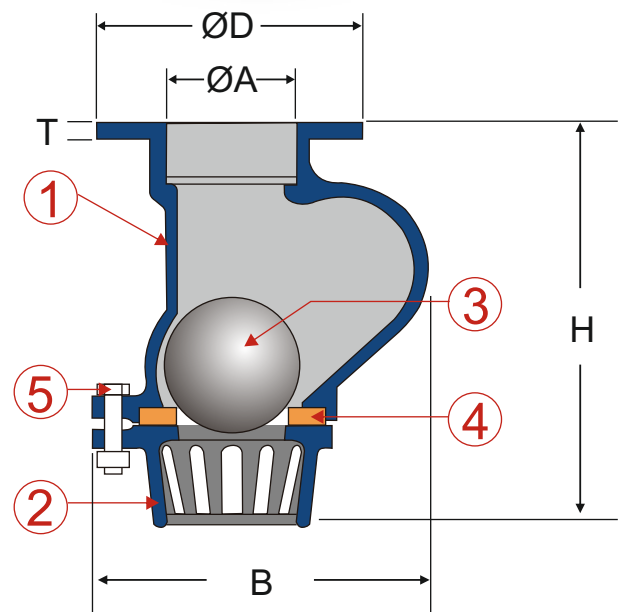
- Ball type design gives 100% leak proof sealing.
- Lower Head Loss / Pressure drop across the valve.
- Full bore , undisturbed flow, no obstruction to liquid flow.
- Reduce frictional losses.
- No mechanism involved. Virtually maintenance free.
- Non-clogging & self cleaning mechanism due to circular shape of ball.
- Energy saving as above
- Consistent performance and longer life.

### Part List / Materials of Construction

Part	Description	Material
1.	Body	Cast Iron - IS210, FG260 / GG25
2.	Strainer	Cast Iron - IS210, FG260 / GG25
3.	Ball	Nitrile Rubber Coated
4.	Seat Ring	50-65 NB: Nitrile Rubber 80-200 NB : SS304
5.	Fastener	SS202 / Carbon Steel CL4

### Dimensions (ØA = Valve size in mm NB)

ØA	50	65	80	100	125	150	200
ØD	165	185	200	220	250	285	340
H	185	235	275	312	370	440	540
B	170	205	235	275	335	400	495
T	15	16	18	18	18	18	22
*W	167	186	208	222	255	295	378
App. Wt (kg)	5	8	11	16	24	41	82



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

Overall dimensions to be as B x W x H

- The valve flanges to be drilled as per customers requirements.
- Flange diameter shown as per IS 1538 / DIN 2532
- We can offer MOC in DI/SGI

### Pressure rating

Size	Rating (MPa)	Rating (kg/cm <sup>2</sup> )/(Bar)
50 - 200NB	PN 0.6	PN 6

(For CI Construction)