

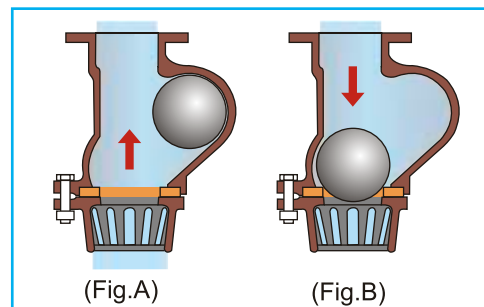
## Ball Foot Valve (Flanged) : Model B-05 (N)

### ■ 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

### ■ Features of the Valve

- New generation valve
- This valve is offered in one side flanged & strainer to the other side 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-seat. 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 Operates silently upto 80°C
- This valve has a quality for withstanding consistent performance and longer life.



### ■ Part List / Materials of Construction

Part	Description	Material
1.	Body	Cast Iron - IS210, FG200 (min) / GG25
2.	Strainer	Cast Iron - IS210, FG200 (min) / GG25
3.	Ball	Nitrile Rubber Coated
4.	Seat Ring	Nitrile ASTM D2000 L.T. Bronze IS318-LTB2
5.	Fastener	Carbon Steel CL4

### ■ Pressure rating

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

(For CI Construction)

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

ØA	50	65	80	100	125	150	200
ØD	168	186	202	228	254	290	340
L	180	240	270	320	370	440	537
W	135	165	205	260	285	385	462
T	14	15	15	18	16	17	18
APP. Wt (kg)	4.9	7.8	11.3	16	22.1	38.0	86