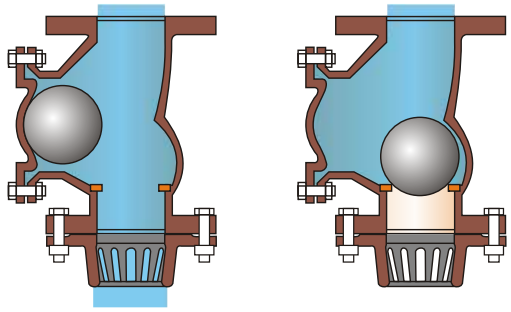
# normex Ball Foot Valve (Flanged) Model B-05

## Principle

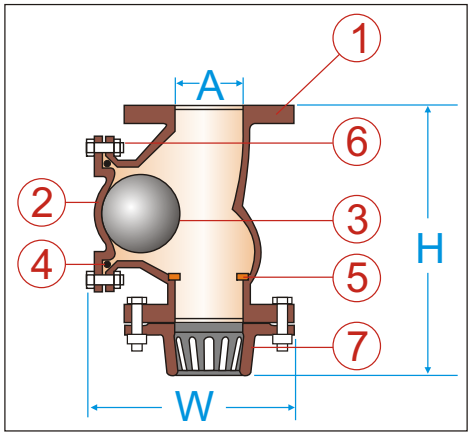
The reinforced rubber ball is the heart of this valve. This ball in the designed path of the valve moves freely and promptly reacts to the ON & OFF of the pump. The ball moves to open position when the pump starts & allows free flow of liquid without any interference. (Fig. A) As the pump stops, the ball seats firmly against the metal seat due to its own weight & back pressure of the liquid (Fig B) This results in DROPLESS sealing.



( Fig.A) ( Fig.B)

## Features of the Valve

- New generation valve with unique and non-conventional design.
- This valve is offered in one side flanged & strainer to the other side design.
- Heavy duty foot valve. Most suitable where suction pressure is on higher side.
- 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
- Operates silently upto 80 oC
- This valve has a quality for withstanding consistent performance and longer life.




## Pressure rating

| Size | Rating |
|---|---|
| 250 - 300NB | PN 1.0 |
| 350NB | PN 0.6 |

For CI Construction.

## Part List / Materials of Construction

| Part | Description | Material |
|---|---|---|
| 1. | Body | Cast Iron - IS210, FG200 (min) |
| 2. | Cover | Cast Iron - IS210, FG200 (min) |
| 3. | Ball | Nitrile Rubber Coated |
| 4. | Cover Ring | Nitrile ASTM D2000 |
| 5. | SeatRing | L.T.Bronze IS318 - LTB2 |
| 6. | Fastener | Carbon Steel CL4 |
| 7. | Strainer | Cast Iron - IS210, FG200 (min) |

## Dimensions ( A = Valve size in mm)

| A | 250 | 300 | 350 |
|---|---|---|---|
| D | 395 | 445 | 527 |
| L | 751 | 851 | 993 |
| H | 600 | 670 | 835 |
| Width | 433 | 501 | 535 |
| T | 28 | 28 | 32 |
| Wt.(kg) | 170.5 | 223.0 | 328.0 |