

**Anti Vacuum Valve with Counter Weight** is designed to allow large quantity of air into the pipe line during quick draining or pipe breaks. Opening of the large disk is achieved by precisely adjusting counter weight against the negative pressure generated in the pipe line. A combination air valve is connected to the main valve assembly to vent air from the pipe line during charging and under pressure.

**Features:**

- Self operated by the flow medium.
- Intake of large amount of air during quick draining or pipe break.
- Counter weight for precise adjustment.
- Combination air valve for input and output of air during general course of operation.
- Suitable for installation on main pipes.
- Metal to metal sealing for longer life.
- Counter weight damping to prevent the disc from slamming close.
- Isolating valve provided for easy maintenance of air valve during operation.
- For easy maintenance / cleaning we recommend to use isolating gate valve of same size of anti vacuum valve.

**Flange drilling and dimension meets:**

IS / BS / ANSI

**Service Application:**

Water supply system / irrigation system

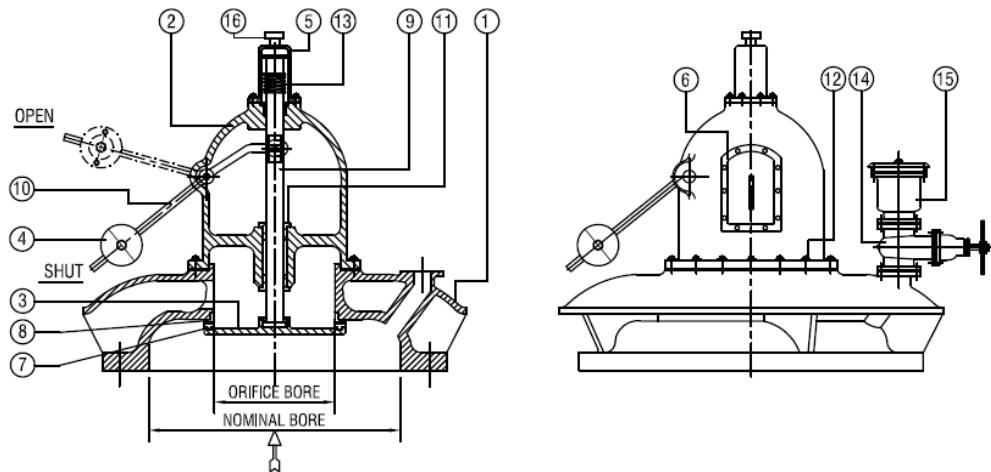
**Technical Data:**

Size range: DN 300 – 800

Pressure rating: 1.0 Mpa – 2.5 Mpa

Working Temperature: Upto 80°

Flow Media: Clean Water / Raw Water



## MATERIALS OF CONSTRUCTION

| ITEM | DESCRIPTION        | MATERIAL      | SPECIFICATION             |
|------|--------------------|---------------|---------------------------|
| 1    | BODY               | DI / CS       | DUCTILE IRON / CAST STEEL |
| 2    | DOME               | DI / CS       | DUCTILE IRON / CAST STEEL |
| 3    | DISC               | DI / CS       | DUCTILE IRON / CAST STEEL |
| 4    | COUNTER WEIGHT     | CI / MS FAB.  | -                         |
| 5    | TOP COVER          | SS / MS GALV. | -                         |
| 6    | INSPECTION DOOR    | SS / MS GALV. | -                         |
| 7    | DISC FACING RING   | L.T.BRONZE    | IS: 318 Gr. LTB-2         |
| 8    | BODY SEAT RING     | L.T.BRONZE    | IS: 318 Gr. LTB-2         |
| 9    | GUIDE PIN          | SS            | Gr. 304                   |
| 10   | LEVER              | FORGED STEEL  | -                         |
| 11   | BUSH               | H.T.BRASS     | IS:320 Gr. HT-2           |
| 12   | STUDS/BOLTS & NUTS | SS            | -                         |
| 13   | SPRING             | STEEL         | -                         |
| 14   | SLUICE VALVE UNIT  | DI / CS       | DUCTILE IRON / CAST STEEL |
| 15   | KINETIC VALVE      | DI / CS       | DUCTILE IRON / CAST STEEL |
| 16   | OIL CAP            | -             | -                         |