

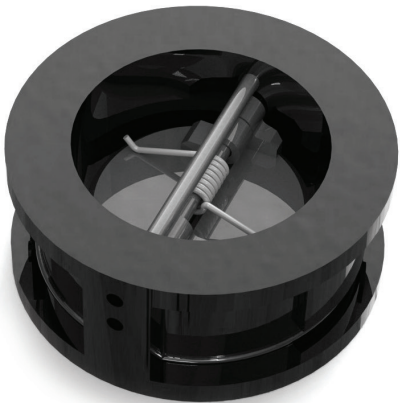
# DUAL PLATE CHECK VALVE

## (Wafer Type), PN16

The Dual Plate Check Valves is designed for Chilled & Hot Water, it is stronger, lighter in weight and smaller in size as compared to other Check Valves. It Prevents back Flow pressure.

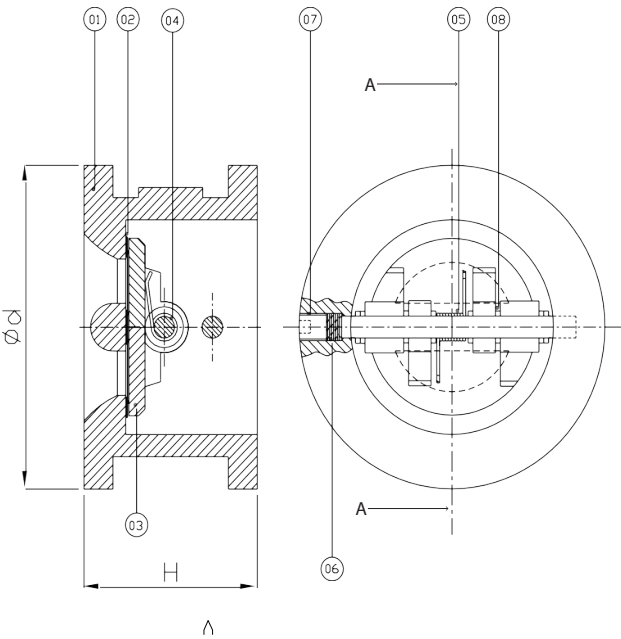
### SALIENT FEATURES

- Cast Iron / Ductile Iron Body
- Ductile Iron Disc / Stainless Steel Disc
- Wafer type Design, to take lesser space than the Conventional Check Valve
- Being cylindrical body, Stresses are uniformly distributed.
- Much longer Seat life because of Ductile Iron/ S.S. to Rubber Contact
- Less Wear and Tear of Seat Surfaces
- Water hammering effect is minimized in this design, since the closing of valve does not depend on any back pressure or flow



### SPECIFICATIONS

|                             |                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------|
| Sizes                       | DN50-DN400                                                                         |
| Nominal pressure            | PN16                                                                               |
| Medium Temperature          | -10°C ~ +110°C Max.                                                                |
| Body Material               | IS: 210, FG200 C.I<br>D.I - DN300 to DN400                                         |
| Shaft Material              | ASTM A276 TYPE 410                                                                 |
| Plate Material              | DI / SS                                                                            |
| Seal                        | EPDM                                                                               |
| Medium Type                 | Water                                                                              |
| Test pressure (Hydrostatic) |                                                                                    |
| Shell Test pressure         | 24 Bar                                                                             |
| Seat Test pressure          | 17.6 Bar                                                                           |
| Suitable Insertion          | ISO: 7005-2, IS 1538, ANSI B Class-125 / ASME B Class-150, Table 'D' and Table 'E' |



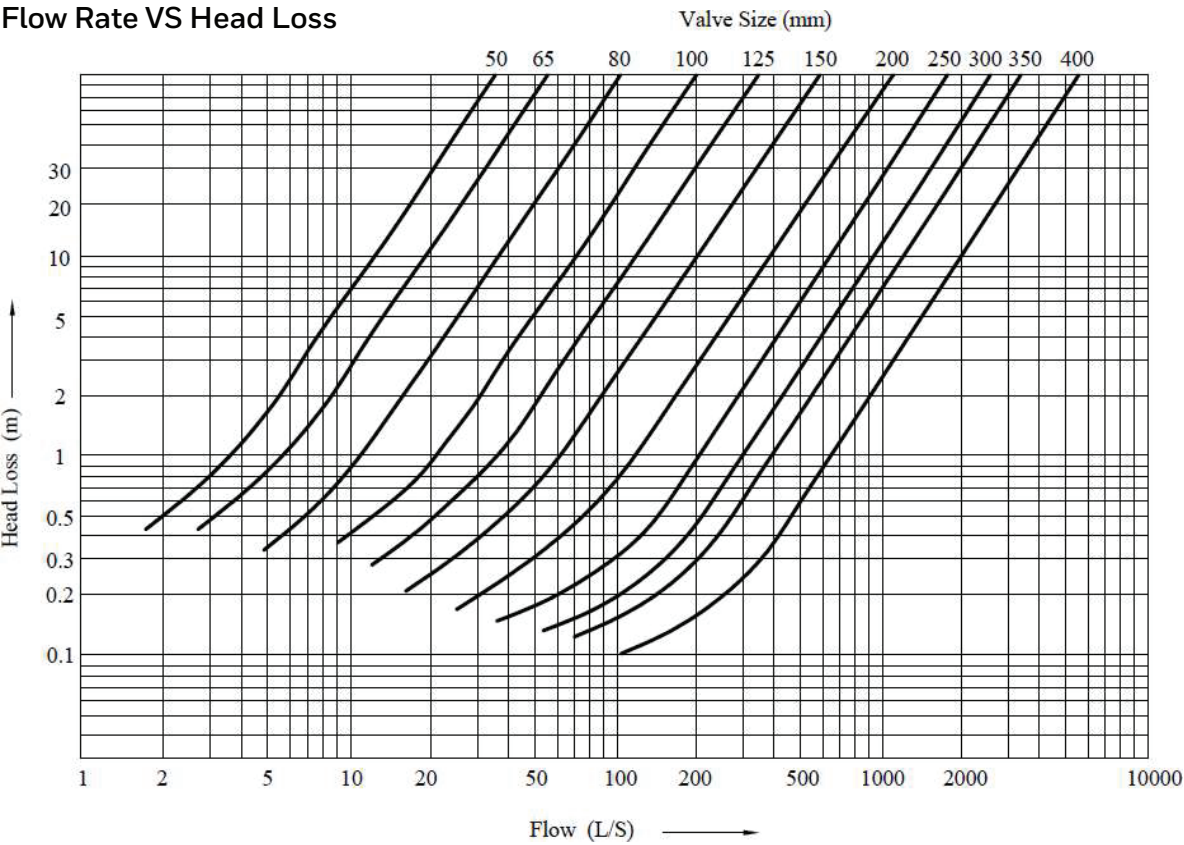
PART DESCRIPTIONS

| PT No. | PART NAME | MATERIAL                       | SPECIFICATION                        | Qty |
|--------|-----------|--------------------------------|--------------------------------------|-----|
| 1      | BODY      | Cast Iron/Ductile Iron         | IS:210,Gr FG 200 /IS 1865 Gr. 400/15 | 1   |
| 2      | SEAT      | Rubber                         | EPDM                                 | 1   |
| 3      | PLATES    | Ductile Iron / Stainless Steel | IS 1865 Gr. 400/15/CF8               | 2   |
| 4      | SHAFT     | Stainless Steel                | ASTM A 276,Gr. SS410                 | 2   |
| 5      | SPRING    | Stainless Steel                | AISI 302                             | 2   |
| 6      | O-RINGS   | Rubber                         | NITRILE / EPDM                       | 4   |
| 7      | PLUG      | Mild Steel (Chrome Plated)     | M.S. (CROME PLATED)                  | 4   |
| 8      | WASHERS   | Stainless Steel                | AISI 304                             | 4-8 |

OUTSIDE DIMENSION (MM)

| Size | 50   | 65       | 80   | 100  | 125  | 150   | 200  | 250   | 300   | 350   | 400   |
|------|------|----------|------|------|------|-------|------|-------|-------|-------|-------|
|      | (2") | (2-1/2") | (3") | (4") | (5") | (6")  | (8") | (10") | (12") | (14") | (16") |
| ΦD   | 62.5 | 74       | 91   | 116  | 145  | 169.5 | 220  | 273   | 324   | 357   | 406.5 |
| Φd   | 95   | 110      | 130  | 160  | 188  | 212   | 272  | 340   | 410   | 442   | 495   |
| H    | 54   | 54       | 57   | 64   | 70   | 76    | 95   | 108   | 143   | 184   | 191   |

Flow Rate VS Head Loss



For more information,  
[www.honeywellbuildings.in](http://www.honeywellbuildings.in)  
Call: 000-8000-502167,  
Email: [enquiry.mms@honeywell.com](mailto:enquiry.mms@honeywell.com), [bmsindiatechsupport@honeywell.com](mailto:bmsindiatechsupport@honeywell.com)

**Honeywell HBT India Buildings**  
Unitech Trade Center, 5th Floor, Sector-43,  
Block C, Sushant Lok Phase - I,  
Gurgaon - 122 002.

