

1078A Butterfly Valve (Wafer Type) PN 1.6 with S.G Iron Disc - Gear Operated

Salient Features

- Design Standard IS 13095 / BS EN 593 (BS 5155).
- Wafer Type.
- Gear Operated.
- S.G Iron construction.
- S.G Iron disc which is accurately guided between the two stems.
- Integrally moulded rubber lining (EPDM / Nitrile / Neoprene* / Viton* / Silicon*) as per requirement which provides seating to the valve disc, as a primary seal to the stem and gasket joint with matching pipe flanges.
- Two Piece Stem design which is precisely guided between the PTFE / Bronze bushes.
- Compatible to sandwich between flanges as per BS 10 Table D, E, F, H, DIN, PN 10, PN 16, PN 25, PN 40, ASA 150, ASA 300, IS 778, IS 6392 Table 17 and IS 1538.

*Valves with Neoprene / Viton / Silicon lining can also be provided at nominal extra cost.

PN 1.0 -

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 1.1 MPa

Maximum Working Pressure : 1.0 MPa

Maximum Working Temperature : 90°C

PN1.6 -

Test Pressure (Hydrostatic) :

Shell : 2.4 MPa

Seat : 1.76 MPa

Maximum Working Pressure : 1.6 MPa

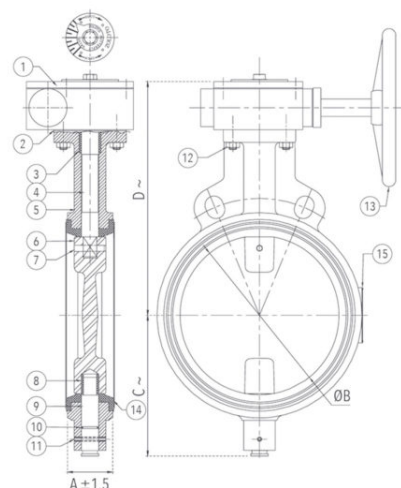
Maximum Working Temperature : 90°C

Suitable For

Water

Materials

| P.No. | Name of Part | Material of Construction | Specification | Qty. |
|-------|-----------------------|--------------------------|---------------------|--------|
| 1 | Gear Box Assembly | --- | --- | 1 |
| 2 | Gasket | Steam Jointing Sheet | IS2712 Gr. W/3 | 1 |
| 3 | Packing Bush | Bronze | IS 318 Gr. LTB 2 | 1 |
| 4 | Upper Stem | Stainless Steel | IS 6603 Gr. 12 Cr12 | 1 |
| 5 | Body | S.G Iron | IS 1865 Gr. 400/15 | 1 |
| 6 | Disc | S. G Iron (Epoxy Coated) | IS 1865 Gr. 400/15 | 1 |
| 7 | Taper Pin (Optional) | Stainless Steel | IS 6603 Gr. 12 Cr12 | 1 |
| 8 | Bush | Bronze | IS 318 Gr. LTB 2 | 1 |
| 9 | Lower Stem | Stainless Steel | IS 6603 Gr. 12 Cr12 | 1 |
| 10 | 'O' Ring | Nitrile Rubber | IS 5192 - 1 | 1 |
| 11 | L- Key Screw | Carbon Steel | --- | 1 |
| 12 | C - Sunk Screw & Nuts | Carbon Steel | --- | 4 Each |
| 13 | Handwheel | Sheet Metal | --- | 1 |
| 14 | Body Lining | EPDM / Nitrile | IS 5192 - 1 | 1 |
| 15 | Name Plate | Aluminium | --- | 1 |



Sizes / Dimensions

| Size (Inches) | Size (mm) | A | ØB | C ~ | D ~ |
|-----------------|-----------|---------|-------|-----|-----|
| 8 | 200 | 60 ±1.5 | 201.6 | 180 | 295 |
| 10 | 250 | 68 ±1.5 | 252.2 | 220 | 320 |
| 12 | 300 | 78 ±1.5 | 301.3 | 250 | 344 |
| 14 [#] | 350 | 85 ±3 | 352 | 280 | 380 |
| 16 [#] | 400 | 96 ±3 | 393.8 | 300 | 410 |

| Size (Inches) | Size (mm) | A | ØB | C ~ | D ~ |
|-----------------|-----------|----------|-------|-----|-----|
| 18 [#] | 450 | 108 ±3 | 442 | 330 | 466 |
| 20 [#] | 500 | 127 ±4 | 504.2 | 415 | 600 |
| 24 [#] | 600 | 146.5 ±4 | 593 | 440 | 610 |

~ ±10

Non-ISI with Pressure Rating PN-1.0

Note : Valves are also available with limit switch (Non-ISI) and Pad lock arrangement at nominal extra cost.