

## 1079C Cast Iron Sluice Valve PN 1.0 (Flanged) with Rising Stem

### Salient Features

- Design Reference Standard IS 14846.
- Bolted Bonnet, Outside Screw, Yoke Type, Rising Spindle, Solid Wedge.
- Rigid and Sturdy design.
- Hand wheel operated.
- Flanged ends to IS 1538.
- Provision of Re-Packing under pressure.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 1.0 MPa

Maximum Working Temperature : 45°C

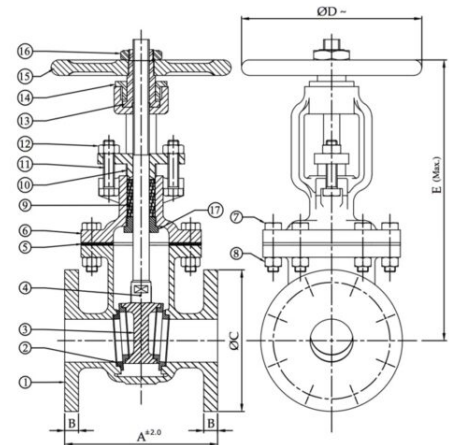
### Suitable For

Water



### Materials

| P.No. | Name of Part   | Material of Construction | Specification            | Qty.     |
|-------|----------------|--------------------------|--------------------------|----------|
| 1     | Body           | Cast Iron                | IS 210 Gr. FG 200        | 1        |
| 2     | Seat Ring      | Bronze                   | IS 318 Gr. LTB 2         | 4        |
| 3     | Wedge          | Cast Iron                | IS 210 Gr. FG 200        | 1        |
| 4     | Stem           | Stainless Steel          | IS 6603 Gr. 12 Cr. 12    | 1        |
| 5     | Gasket         | Rubber                   | IS 638 Type B            | 1        |
| 6     | Bonnet         | Cast Iron                | IS 210 Gr. FG 200        | 1        |
| 7     | Bolt           | Carbon Steel             | IS 1363 Part 1 Class 4.6 | As Reqd. |
| 8     | Nut            | Carbon Steel             | IS 1363 Part 3 Class 4.0 | As Reqd. |
| 9     | Gland Packing  | Hemp. & Jute             | IS 5414                  | -        |
| 10    | Gland Flange   | Cast Iron                | IS 210 Gr. FG 200        | 1        |
| 11    | Bolt           | Carbon Steel             | IS 1363 Part 1 Class 4.6 | 2        |
| 12    | Nut            | Carbon Steel             | IS 1363 Part 3 Class 4.0 | 2        |
| 13    | Sleeve         | S.G Iron                 | IS 1865                  | 1        |
| 14    | Sleeve Nut     | Stainless Steel          | IS 6603 Gr. 12 Cr. 12    | 1        |
| 15    | Handwheel      | Cast Iron                | IS 210 Gr. FG 200        | 1        |
| 16    | Handwheel Nut  | Stainless Steel          | IS 6603 Gr. 12 Cr. 12    | 1        |
| 17    | Back Seat Bush | Bronze                   | IS 318 Gr. LTB 2         | 1        |



### Sizes / Dimensions

| Size (Inches) | Size (mm) | A ±2 | B       | ØC              | ØD ~ | E (Max.) |
|---------------|-----------|------|---------|-----------------|------|----------|
| 2*            | 50        | 178  | 16 +2   | 165 (+1.5/-1.0) | 210  | 350      |
| 2 1/2*        | 65        | 190  | 16 +2   | 185 (+1.5/-1.0) | 210  | 410      |
| 3             | 80        | 203  | 21 ±3   | 200 ±4.5        | 225  | 455      |
| 4             | 100       | 229  | 22 ±3   | 220 ±4.5        | 255  | 540      |
| 5             | 125       | 254  | 22.5 ±3 | 250 ±4.5        | 255  | 588      |
| 6             | 150       | 267  | 23 ±3   | 285 (+5.5/-2.5) | 310  | 655      |
| 8             | 200       | 292  | 24.5 ±3 | 340 (+5.5/-2.5) | 395  | 780      |
| 10            | 250       | 330  | 26 ±3   | 395 (+5.5/-2.5) | 460  | 960      |
| 12            | 300       | 356  | 27.5 ±3 | 445 (+5.5/-2.5) | 460  | 1140     |

~ ±10

\* Flanges as per IS 14846.

**NOTE** : Valves are also available with brass spindle and Pad lock arrangement at a nominal extra cost. By Pass arrangement (for sizes 200mm & above) can also be provided at a nominal extra cost.