

## 1079A Cast Iron Sluice Valve PN 1.0 (Flanged)



### Salient Features

- Design Standard IS 14846 PN 1.0.
- Bolted Bonnet, Inside Screw, Non-Rising Stem.
- Rigid and Sturdy design.
- Handwheel Operated.
- Flange Ends as per IS 1538.

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 1.0 MPa

Maximum Working Temperature : 45°C

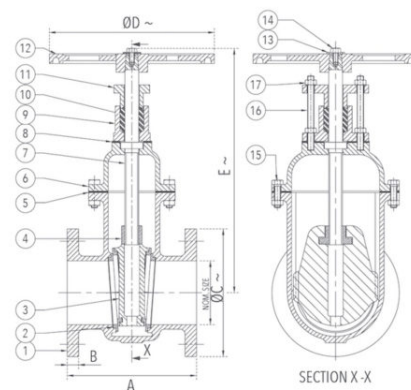
### Suitable For

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. LTB2                                      | 4        |
| 3     | Wedge         | Cast Iron                | IS 210 Gr. FG 200                                    | 1        |
| 4     | Stem Bush     | Bronze                   | IS 318 Gr. LTB2                                      | 1        |
| 5     | Gasket        | Rubber                   | IS 638 Type B                                        | 1        |
| 6     | Bonnet        | Cast Iron                | IS 210 Gr. FG 200                                    | 1        |
| 7     | Stem          | Stainless Steel          | IS 6603 Gr. 12 Cr. 12                                | 1        |
| 8     | Gasket        | Rubber                   | IS 638 Type B                                        | 1        |
| 9     | Stuffing Box  | Cast Iron                | IS 210 Gr. FG 200                                    | 1        |
| 10    | Gland Packing | Hemp & Jute              | IS 5414                                              | -        |
| 11    | Gland Flange  | Cast Iron                | IS 210 Gr. FG 200                                    | 1        |
| 12    | Handwheel     | Cast Iron                | IS 210 Gr. FG 200                                    | 1        |
| 13    | Washer        | Carbon Steel             | - - -                                                | 1        |
| 14    | Bolt          | Carbon Steel             | IS 1363 Part 1 Class 4.6                             | 1        |
| 15    | Bolt & Nut    | Carbon Steel             | IS 1363 Part 1 Class 4.6<br>IS 1363 Part 3 Class 4.0 | As Reqd. |
| 16    | Stud / Bolt   | Carbon Steel             | IS 1363 Part 1 Class 4.6                             | 2        |
| 17    | Nut           | Carbon Steel             | IS 1363 Part 3 Class 4.0                             | As Reqd. |



### Sizes / Dimensions

| Size (Inches)    | Size (mm)         | A      | B       | ØC              | ØD ±5.0 | E (Max.) |
|------------------|-------------------|--------|---------|-----------------|---------|----------|
| 2*               | 50                | 178 ±2 | 16 +2   | 165 (+1.5/-1.0) | 225     | 365      |
| 2 1/2*           | 65                | 190 ±2 | 16 +2   | 185 (+1.5/-1.0) | 225     | 380      |
| 3                | 80                | 203 ±2 | 21 ±3   | 200 ±4.5        | 225     | 425      |
| 4                | 100               | 229 ±2 | 22 ±3   | 220 ±4.5        | 320     | 470      |
| 5                | 125               | 254 ±2 | 22.5 ±3 | 250 ±4.5        | 320     | 485      |
| 6                | 150               | 267 ±2 | 23 ±3   | 285 (+5.5/-2.5) | 320     | 595      |
| 8                | 200               | 292 ±2 | 24.5 ±3 | 340 (+5.5/-2.5) | 360     | 725      |
| 10               | 250               | 330 ±2 | 26 ±3   | 395 (+5.5/-2.5) | 400     | 835      |
| 12               | 300               | 356 ±2 | 27.5 ±3 | 445 (+5.5/-2.5) | 400     | 910      |
| 14 <sup>*1</sup> | 350 <sup>*1</sup> | 381 ±3 | 29 ±3   | 505 (+6.5/-3.0) | 500     | 1020     |
| 16 <sup>*1</sup> | 400 <sup>*1</sup> | 406 ±3 | 30 ±3   | 565 (+6.5/-3.0) | 640     | 1110     |
| 18 <sup>*1</sup> | 450 <sup>*1</sup> | 432 ±3 | 31.5 ±3 | 615 (+6.5/-3.0) | 720     | 1200     |

| Size (Inches)    | Size (mm)         | A      | B     | ØC              | ØD ±5.0 | E (Max.) |
|------------------|-------------------|--------|-------|-----------------|---------|----------|
| 24 <sup>*1</sup> | 600 <sup>*1</sup> | 508 ±3 | 36 ±3 | 720 (+6.5/-3.0) | 720     | 1500     |

\* Flanges as per IS 14846.

<sup>\*1</sup> IS Certification for these sizes is currently under process.

**NOTE :** Valve is also available with Brass Spindle at a nominal extra cost.