

## 1079B Cast Iron Sluice Valve PN 1.6 (Flanged)

### Salient Features

- Design Standard IS 14846 PN 1.6.
- Bolted Bonnet, Inside Screw, Non-Rising Stem.
- Rigid and Sturdy design.
- Handwheel Operated.
- Flange Ends as per IS 1538.

Test Pressure (Hydrostatic) :

Shell : 2.4 MPa

Seat : 1.6 MPa

Maximum Working Temperature : 45°C

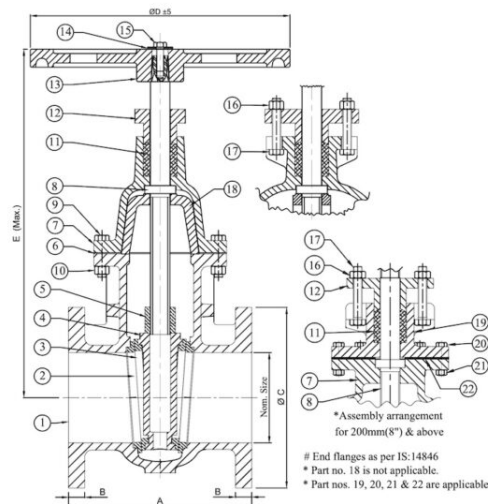
### Suitable For

Water



### Materials

| P.No. | Name of Part   | Material of Construction | Specification            | Qty.    |
|-------|----------------|--------------------------|--------------------------|---------|
| 1     | Body           | Cast Iron                | IS 210 Gr. FG 200        | 1       |
| 2     | Body Seat Ring | Bronze                   | IS 318 Gr. LTB 2         | 2       |
| 3     | Wedge Ring     | Bronze                   | IS 318 Gr. LTB 2         | 2       |
| 4     | Wedge          | Cast Iron                | IS 210 Gr. FG 200        | 1       |
| 5     | Stem Bush      | Bronze                   | IS 318 Gr. LTB 2         | 1       |
| 6     | Gasket         | Rubber                   | IS 638 Type B            | 1       |
| 7     | Bonnet         | Cast Iron                | IS 210 Gr. FG 200        | 1       |
| 8     | Stem           | Stainless Steel          | IS 6603 Gr. 12 Cr. 12    | 1       |
| 9     | Bolts          | Carbon Steel             | IS 1363 Part 1 Class 4.6 | To Suit |
| 10    | Nuts           | Carbon Steel             | IS 1363 Part 3 Class 4.0 | To Suit |
| 11    | Gland Packing  | Hemp & Jute              | IS 5414                  | -       |
| 12    | Gland Flange   | Cast Iron                | IS 210 Gr. FG 200        | 1       |
| 13    | Handwheel      | Cast Iron                | IS 210 Gr. FG 200        | 1       |
| 14    | Washer         | Carbon Steel             | - - -                    | 1       |
| 15    | Bolt           | Carbon Steel             | IS 1363 Part 1 Class 4.6 | 1       |
| 16    | Nuts           | Carbon Steel             | IS 1363 Part 3 Class 4.0 | 2       |
| 17    | Bolts          | Carbon Steel             | IS 1363 Part 1 Class 4.6 | 2       |
| 18    | Thrust Plate   | Cast Iron                | IS 210 Gr. FG 200        | 1       |
| 19    | Stuffing Box   | Cast Iron                | IS 210 Gr. FG 200        | 1       |
| 20    | Bolts          | Carbon Steel             | IS 1363 Part 1 Class 4.6 | To Suit |
| 21    | Nuts           | Carbon Steel             | IS 1363 Part 3 Class 4.0 | To Suit |
| 22    | Gasket         | Rubber                   | IS 638 Type B            | 1       |



### Sizes / Dimensions

| Size (Inches)   | Size (mm)        | A      | B       | ØC              | ØD ±5 | E (Max.) |
|-----------------|------------------|--------|---------|-----------------|-------|----------|
| 2*              | 50               | 178 ±2 | 16 +2   | 165 (+1.5/-1.0) | 280   | 365      |
| 2 1/2*          | 65               | 190 ±2 | 16 +2   | 185 (+1.5/-1.0) | 280   | 380      |
| 3               | 80               | 203 ±2 | 21 ±3   | 200 ±4.5        | 280   | 425      |
| 4               | 100              | 229 ±2 | 22 ±3   | 220 ±4.5        | 360   | 470      |
| 5               | 125              | 254 ±2 | 22.5 ±3 | 250 ±4.5        | 360   | 485      |
| 6               | 150              | 267 ±2 | 23 ±3   | 285 (+5.5/-2.5) | 360   | 595      |
| 8 <sup>#</sup>  | 200 <sup>#</sup> | 292 ±3 | 24.5 ±3 | 340 (+5.5/-2.5) | 450   | 725      |
| 10 <sup>#</sup> | 250 <sup>#</sup> | 330 ±3 | 26 ±3   | 395 (+5.5/-2.5) | 640   | 835      |

| Size (Inches)   | Size (mm)        | A      | B       | ØC              | ØD ±5 | E (Max.) |
|-----------------|------------------|--------|---------|-----------------|-------|----------|
| 12 <sup>#</sup> | 300 <sup>#</sup> | 356 ±3 | 27.5 ±3 | 445 (+5.5/-2.5) | 640   | 910      |

\* Flanges as per IS 14846.

<sup>#</sup> For size 200, 250 and 300 part number 18 is not applicable.

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

## 1096 Ductile Iron Sluice Valve PN 1.6 (Flanged)



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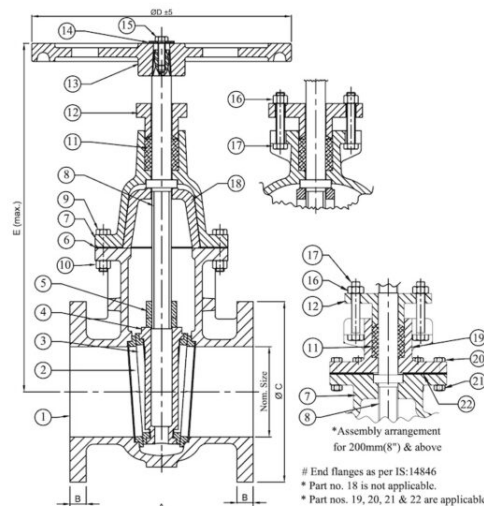
### Suitable For

Water



### Materials

| P.No. | Name of Part   | Material of Construction | Specification                    | Qty. |
|-------|----------------|--------------------------|----------------------------------|------|
| 1     | Body           | Ductile Iron             | IS 1865 Gr. SG 500/7             | 1    |
| 2     | Body Seat Ring | Bronze                   | IS 318 Gr. LTB 2                 | 2    |
| 3     | Wedge Ring     | Bronze                   | IS 318 Gr. LTB 2                 | 2    |
| 4     | Wedge          | Ductile Iron             | IS 1865 Gr. SG 500/7             | 1    |
| 5     | Stem Bush      | Bronze                   | IS 318 Gr. LTB 2                 | 1    |
| 6     | Gasket         | Rubber                   | IS 638 Type B                    | 1    |
| 7     | Bonnet         | Ductile Iron             | IS 1865 Gr. SG 500/7             | 1    |
| 8     | Stem           | Stainless Steel          | IS 6603 Gr. 12 Cr. 12            | 1    |
| 9     | Bolt           | Carbon Steel             | IS 1363 Part 1 Class 4.6 To Suit |      |
| 10    | Nuts           | Carbon Steel             | IS 1363 Part 3 Class 4.0 To Suit |      |
| 11    | Packing        | Hemp & Jute              | IS 5414                          | -    |
| 12    | Gland Flange   | Ductile Iron             | IS 1865 Gr. SG 500/7             | 1    |
| 13    | Handwheel      | Ductile Iron             | IS 1865 Gr. SG 500/7             | 1    |
| 14    | Washer         | Carbon Steel             | - - -                            | 1    |
| 15    | Bolt           | Carbon Steel             | IS 1363 Part 1 Class 4.6         | 1    |
| 16    | Nuts           | Carbon Steel             | IS 1363 Part 3 Class 4.0         | 2    |
| 17    | Bolts          | Carbon Steel             | IS 1363 Part 1 Class 4.6         | 2    |
| 18    | Thrust Plate   | Ductile Iron             | IS 1865 Gr. SG 500/7             | 1    |
| 19    | Stuffing Box   | Ductile Iron             | IS 1865 Gr. SG 500/7             | 1    |
| 20    | Bolts          | Carbon Steel             | IS 1363 Part 1 Class 4.6 To Suit |      |
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| 8"            | 200"      | 292 ±3 | 24.5 ±3 | 340 (+5.5/-2.5) | 450   | 725      |
| 10"           | 250"      | 330 ±3 | 26 ±3   | 395 (+5.5/-2.5) | 640   | 835      |

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