

## 1079D Cast Iron Sluice Valve PN 1.6 (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 : 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	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 1367	As Reqd.
8	Nut	Carbon Steel	IS 1367	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 1367	2
12	Nut	Carbon Steel	IS 1367	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	Washer	Carbon Steel	---	1
17	Handwheel Nut	Stainless Steel	IS 6603 Gr. 12 Cr. 12	1
18	Back Seat Bush	Bronze	IS 318 Gr. LTB 2	1

### Sizes / Dimensions

Size (Inches)	Size (mm)	A ±2	B	ØC	ØD ~	E ~
2*	50	178	16 +2	165	225	383
2 1/2*	65	190	16 +2	185	225	433
3	80	203	21 ±3	200	225	465
4	100	229	22 ±3	220	320	564
6	150	267	23 ±3	285	320	643
8	200	292	24.5 ±3	340	360	815
10	250	330	26 ±3	395	400	948

\* Flanges as per IS 14846.

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