

## 1096 Ductile 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.

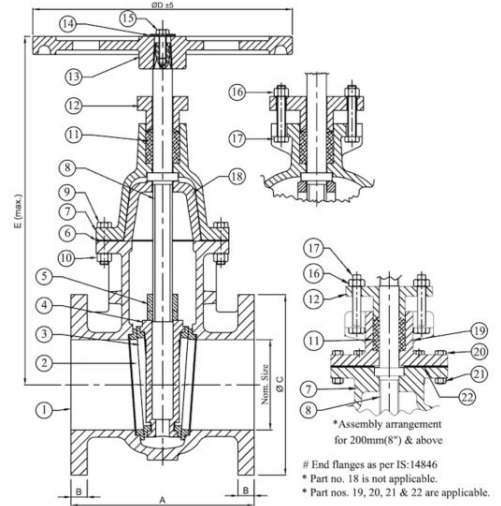
Test Pressure (Hydrostatic) :  
Shell : 2.4 MPa  
Seat : 1.6 MPa  
Maximum Working Temperature : 45°C

**Suitable For**  
Water



### Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Body	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
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"	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

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

# Flanges as per IS 14846.

\* 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.