ZOLOTO®
VALVES
since 1966

AN ISO 9001, 14001 & 45001
CERTIFIED COMPANY

1079A Cast Iron Sluice Valve PN 1.0 (Flanged)

IS 14846
CM/L-9761093

Salient Features

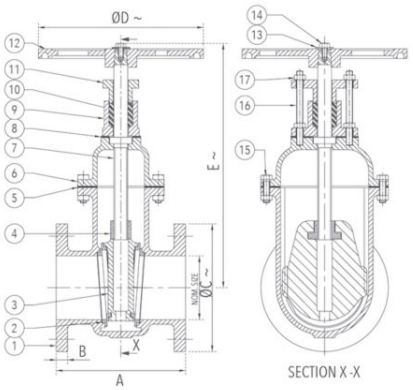
- Design Standard IS 14846 PN 1.0.
- Bolted Bonnet, Inside Screw, Non-Rising Stem.
- Rigid and Sturdy design.
- Handwheel Operated.
- Flange Ends as per IS 1538.

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 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*1	350*1	381 ±3	29 ±3	505 (+6.5/-3.0)	500	1020
16*1	400*1	406 ±3	30 ±3	565 (+6.5/-3.0)	640	1110
18*1	450*1	432 ±3	31.5 ±3	615 (+6.5/-3.0)	720	1200

ZOLOTO INDUSTRIES
Zoloto House, 11th Milestone, Lambra, Nakodar Road,
Jalandhar – 144026. Punjab. INDIA

https://www.zolotovalves.com

Phones : +91 181 4676666 (100 Lines)
Facsimile: +91 181 2792500 & 2251600
Email : sales@zolotovalves.com, mktg@zolotovalves.com

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Size (Inches)	Size (mm)	A	B	ØC	ØD ±5.0	E (Max.)
24[*1]	600[*1]	508 ±3	36 ±3	780 (+6.5/-3.0)	720	1500

* Flanges as per IS 14846.
[*1] IS Certification for these sizes is currently under process.

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.

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Facsimile: +91 181 2792500 & 2251600
Email : sales@zolotovalves.com, mktg@zolotovalves.com