



# CHENNAI PIPES & VALVES

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GSTIN : 33BPZPS9364E1Z2

## Cast Iron Double Flanged Sluice Valve Non-Rising Stem Type Conforming to IS : 14846/2000 With ISI Mark

### Construction of Materials

S.NO	DESCRIPTION	MATERIALS & SPECN
1	Body	Cast Iron to IS : 210 Gr . FG 200
2	Body seat ring	G. M. IS : 318 ,LTB-2
3	Wedge	Cast Iron to IS : 210 Gr . FG 200
4	Wedge Seat Ring	G.M. IS : 318 , LTB -2
5	Wedge Nut	G.M. IS : 318 , LTB-2
6	Gasket	Rubber /IS : 638 Type –B
7	Bonnet / Cover	Cast Iron to IS : 210 Gr . FG 200
8	Spindle	S. S. IS : 6603 12 Cr 13
9	Packing	Graphite Asbestos Rope
10	Gland	Cast Iron to IS : 210 Gr . FG 200
11	Hand Wheel	Cast Iron to IS : 210 Gr . FG 200
12	Bolts & Nuts	Carbon Steel IS : 1363
13	Thrust Plate	Cast Iron to IS : 210 Gr . FG 200
14	Cap	Cast Iron to IS : 210 Gr . FG 200



Weights and Dimensions mentioned are approximate and for Guidance only.

## Dimension Of Sluice Valve For Normal Pressure PN 1.0 IS : 14846/2000

Size NB (MM)	Length Over Flanges			STEM								HYDRAULIC TEST PRESSURE (GAUGE) MAP		TEST DURATION (MIN) MINUTES	
	PDA	ALT-1	ALT-2	OVERALL HEIGHT (MAX.) 'H'	DIA OF STEM (MIN)	WIDTH B (MAX.)	I.D OF STUFFING BOX (MIN)	DEPTH OF STUFFING BOX (MIN)	SQUARE ON TOP ON STEM (+-0.5)	LENGTH OF SQUAR ON STEM(+ -1)	DEPTH OF WEDGE NUT (MIN)	BODY	SEAT	BODY	SEAT
50	178	250	215	365	22	160	42	45	15	30	30	1.5	1	5	2
65	190	270	230	380	22	215	42	45	15	30	30	1.5	1	5	2
80	203	280	230	425	22	220	42	45	15	30	30	1.5	1	5	2
100	229	300	255	740	27	250	47	45	18	36	35	1.5	1	5	2
125	254	325	266	485	27	310	47	55	18	36	35	1.5	1	5	2
150	267	350	280	595	27	330	47	55	18	36	35	1.5	1	5	2
200	292	400	318	725	32	460	56	65	22	42	45	1.5	1	5	2
250	330	450	355	835	36	495	60	65	25	48	50	1.5	1	5	2
300	356	500	380	910	36	585	60	65	25	48	50	1.5	1	5	2
350	381	550	-	1020	37	650	61	65	25	45	50	1.5	1	5	2
400	406	600	-	1110	42	750	66	65	31	54	55	1.5	1	5	2
450	432	650	-	1200	47	830	75	75	34	64	55	1.5	1	5	2
500	457	700	-	1300	47	900	75	75	34	64	55	1.5	1	5	2
600	508	800	-	1500	47	1050	75	75	34	64	55	1.5	1	5	2
700	610	900	1130	1670	62	1150	94	100	44	78	65				
750	610	950	1200	1780	67	1200	99	100	48	86	70				
800	660	1000	1250	1930	67	1300	99	100	48	86	70				
900	711	1100	1380	2080	77	1400	113	113	53	88	110				
1000	811	1200	1500	2200	77	1500	113	113	53	88	110				
1100	\$\$	\$\$	1650	2450	87	1650	123	113	63	99	115				
1200	\$\$	\$\$	1800	2580	87	1800	123	113	63	99	115				

Weights and Dimensions mentioned are approximate and for Guidance only.

## Dimension Of Sluice Valve For Normal Pressure PN 1.6 IS : 14846/2000

Size NB (mm)	Length Over Flanges			STEM								HYDRAULIC TEST PRESSURE(GAUGE) MAP		TEST DURATION (MIN) MINUTES	
				OVERALL HEIGHT (MAX.) 'H'	DIA OF STEM (MIN)	WIDTH B (MAX.)	I.D OF STUFFING BOX (MIN)	DEPTH OF STUFFING BOX (MIN)	SQUARE ON TOP (+0.5)	LENGTH OF SQUARE (+-1)	DEPTH OF WEDGE NUT (MIN)				
	PDA	ALT-1	ALT-2									BODY	SEAT	BODY	SEAT
50	178	250	215	365	22	160	42	45	15	30	30	2.4	1.6	5	2
65	190	270	230	380	22	215	42	45	15	30	30	2.4	1.6	5	2
80	203	280	230	425	22	220	42	45	15	30	30	2.4	1.6	5	2
100	229	300	255	470	27	250	47	45	18	36	35	2.4	1.6	5	2
125	254	325	266	485	27	310	47	55	18	36	35	2.4	1.6	5	2
150	267	350	280	595	27	330	47	55	18	36	35	2.4	1.6	5	2
200	292	400	318	725	32	460	56	65	22	42	45	2.4	1.6	5	2
250	330	450	355	835	36	495	60	65	25	48	50	2.4	1.6	5	2
300	356	500	380	910	36	585	60	65	25	48	50	2.4	1.6	5	2
350	381	550	690	1030	42	730	66	77	30	55	55				
400	406	600	750	1110	47	800	75	90	35	60	55				
450	432	650	820	1210	52	850	80	90	37	65	60				
500	457	700	880	1340	52	930	80	90	37	65	60				
600	508	800	1000	1500	57	1050	89	100	42	70	60				

Weights and Dimensions mentioned are approximate and for Guidance only.