

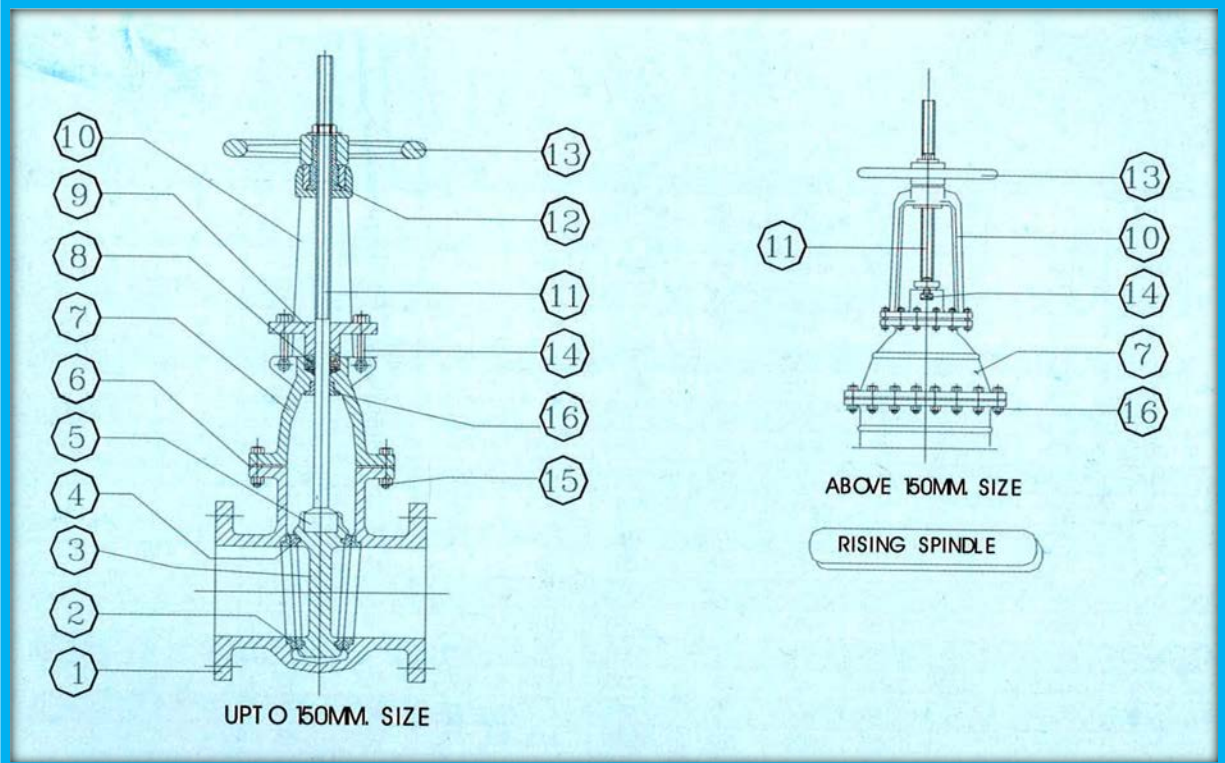
BILL OF MATERIALS		
SL. NO.	DESCRIPTION	MATERIAL & SPECIFICATION
01.	Body	Cast Iron IS : 210 Gr. FG 200
02.	Body Seat Ring	G.M. IS : 318, LTB-2
03.	Wedge	Cast Iron IS : 210 Gr. FG 200
04.	Wedge Seat Ring	G.M. IS : 318, LTB-2
05.	Wedge Nut	G.M. IS : 318, LTB-2
06.	Gasket	Rubber / IS : 638 Type - B
07.	Bonnet /Cover	Cast Iron IS : 210 Gr. FG 200
08.	Spindle	S.S. IS : 6603 12 Cr 13
09.	Packing	Graphited Asbestos Rope
10.	Gland	Cast Iron IS : 210 Gr. FG 200
11.	Hand Wheel	Cast Iron IS : 210 Gr. FG 200
12.	Bolts & Nuts	Carbon Steel IS : 1363
13.	Thrust Plate	Cast Iron IS : 210 Gr. FG 200
14.	Cap	Cast Iron IS : 210 Gr. FG 200

**DIMENSION OF SLUICE VALVE FOR NORMAL PRESSURE PN – 1.0**

SIZE N.B. (In MM)	LENGTH OVER FLANGES PD			Centre To Top (Max)	Dia of Hand Wheel	Dia of Stem	Width B	I.D. of Stuff-ing Box	Depth Of Stuff-ing Box	Squar On Top of Stem	Length of Squar On Stem	Depth Of Wed-ge Nut	Hydraulic Test Pressure (Gauge) Map		Test Duration (Min) Minutes	
	PDA	ALT-I	ALT-II	"H"	D $\pm$ 5	Min	Max	Min	Min	$\pm$ 0.5	$\pm$ 1.0	Min	Body	Seat	Body	Seat
50	178	250	215	225	280	22	160	42	45	15	30	30	1.5	1.0	5	2
65	190	270	230	225	280	22	215	42	45	15	30	30	1.5	1.0	5	2
80	203	280	230	225	280	22	220	42	45	15	30	30	1.5	1.0	5	2
100	229	300	255	320	360	27	250	47	45	18	36	35	1.5	1.0	5	2
125	254	325	266	320	360	27	310	47	55	18	36	35	1.5	1.0	5	2
150	267	350	280	320	360	27	330	47	55	18	36	35	1.5	1.0	5	2
200	292	400	318	320	450	32	460	56	65	22	42	45	1.5	1.0	5	2
250	330	450	355	360	640	36	495	60	65	25	48	50	1.5	1.0	5	2
300	356	500	380	400	640	36	585	60	65	25	48	50	1.5	1.0	5	2
350	381	550	---	---	500	37	650	61	65	25	45	50				
400	406	600	---	---	640	42	750	66	65	31	54	55				
450	432	650	---	---	720	47	830	75	75	34	64	55				
500	547	700	---	---	720	47	900	75	75	34	64	55				
600	508	800	---	---	720	47	1050	75	75	34	64	55				
700	610	900	---	1130	800	62	1150	94	100	44	78	65				
750	610	950	---	1200	900	67	1200	99	100	48	86	70				
800	660	1000	---	1250	900	67	1300	99	100	48	86	70				
900	711	1100	---	1380	900	77	1400	113	113	53	88	110				
1000	811	1200	---	1500	900	77	1500	113	113	53	88	110				
1100	\$	\$	---	1650	1000	87	1650	123	113	63	99	115				
1200	\$	\$	---	1800	1000	87	1800	123	113	63	99	115				

**DIMENSION OF SLUICE VALVE FOR NORMAL PRESSURE PN – 1.6**

SIZE N.B. (In MM)	LENGTH OVER FLANGES PD			Centre To Top (Max)	Dia of Hand Wheel	Dia of Stem	Width B	I.D. of Stuff-ing Box	Depth Of Stuff-ing Box	Squar On Top of Stem	Length of Squar On Stem	Depth Of Wed-ge Nut	Hydraulic Test Pressure (Gauge) Map		Test Duration (Min) Minutes	
	PDA	ALT-I	ALT-II	"H"	D $\pm$ 5	Min	Max	Min	Min	$\pm$ 0.5	$\pm$ 1.0	Min	Body	Seat	Body	Seat
50	178	250	215	225	280	22	160	42	45	15	30	30	1.5	1.0	5	2
65	190	270	230	225	280	22	215	42	45	15	30	30	1.5	1.0	5	2
80	203	280	230	225	280	22	220	42	45	15	30	30	1.5	1.0	5	2
100	229	300	255	320	360	27	250	47	45	18	36	35	1.5	1.0	5	2
125	254	325	266	320	360	27	310	47	55	18	36	35	1.5	1.0	5	2
150	267	350	280	320	360	27	330	47	55	18	36	35	1.5	1.0	5	2
200	292	400	318	320	450	32	460	56	65	22	42	45	1.5	1.0	5	2
250	330	450	355	360	640	36	495	60	65	25	48	50	1.5	1.0	5	2
300	356	500	380	400	640	36	585	60	65	25	48	50	1.5	1.0	5	2
350	381	550	---	---	500	37	650	61	65	25	45	50	---	---	---	---
400	406	600	---	---	640	42	750	66	65	31	54	55	---	---	---	---
450	432	650	---	---	720	47	830	75	75	34	64	55	---	---	---	---
500	547	700	---	---	720	47	900	75	75	34	64	55	---	---	---	---
600	508	800	---	---	720	47	1050	75	75	34	64	55	---	---	---	---



BILL OF MATERIALS		
SL. NO.	DESCRIPTION	MATERIAL & SPECIFICATION
01.	Body	Cast Iron IS : 210 Gr. FG 200
02.	Body Seat Ring	G.M. IS : 318, LTB-2
03.	Wedge	Cast Iron IS : 210 Gr. FG 200
04.	Wedge Seat Ring	G.M. IS : 318, LTB-2
05.	Gasket	Rubber / IS : 638 Type - B
06.	Bonnet / Cover	Cast Iron IS : 210 Gr. FG 200
07.	Packing	Jute & Hemp, IS : 5414
08.	Gland	Cast Iron IS : 210 Gr. FG 200
09.	Yoke	Cast Iron IS : 210 Gr. FG 200
10.	Spindle	S.S. IS : 6603 12 Cr. 13
11.	Yoke Bush	G.M. IS : 318, LTB-2
12.	Hand Wheel	Cast Iron IS : 210 Gr. FG 200
13.	Tee Bolt	Carbon Steel
14.	Bolts & Nuts	Carbon Steel IS : 1363
15.	Back Bush	G.M. IS : 318, LTB-2

# Cast Iron Double Flanged Sluice Valve Taper Wedge Outside Screw Rising Stem Type

IS : 14846/2000

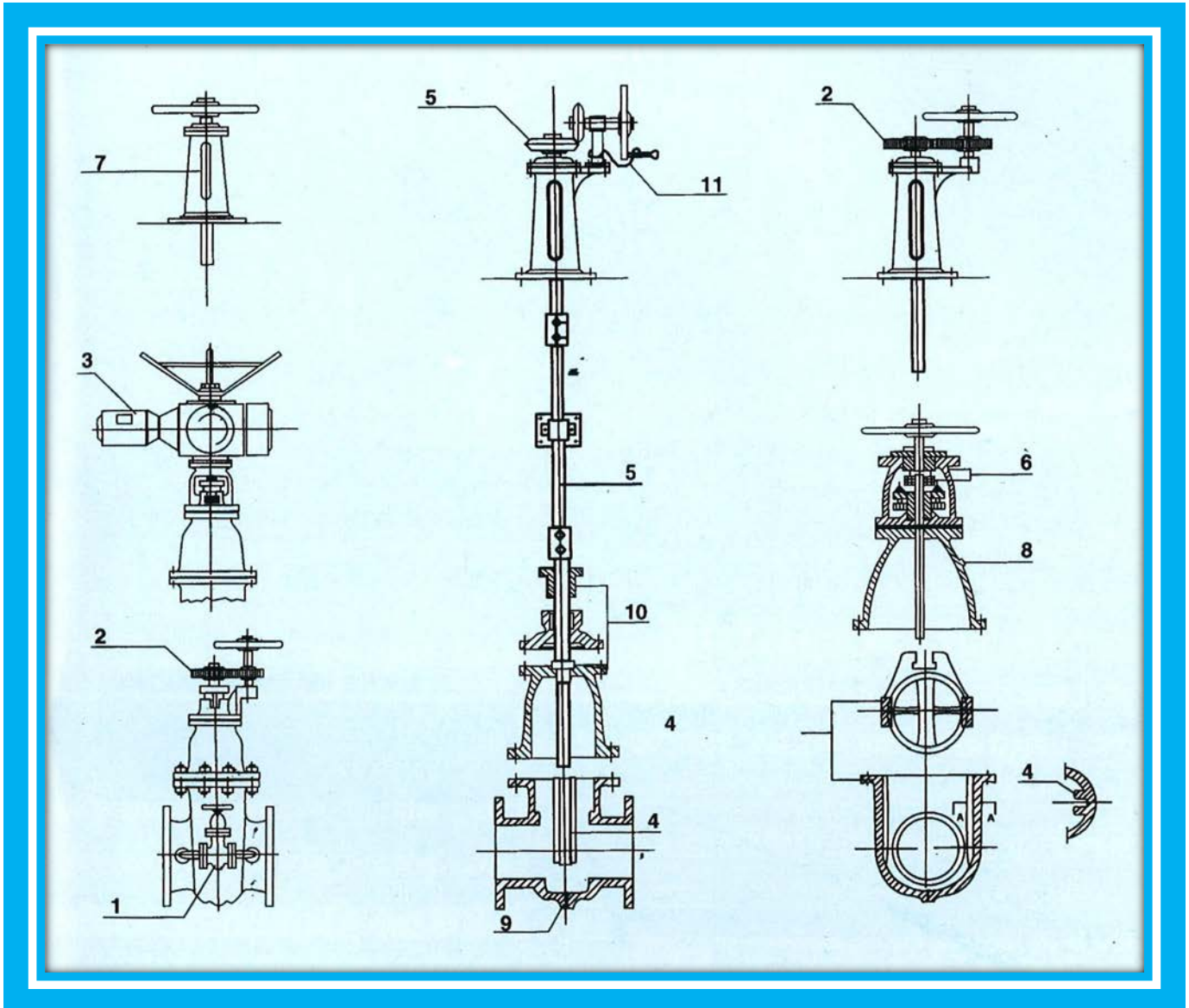
## DIMENSION OF SLUICE VALVE FOR NORMAL PRESSURE PN – 1.0

SIZE N.B. (In MM)	LENGTH OVER FLANGES PD			Centre To Top (Max) "H"	Dia of Hand Wheel D $\pm$ 5	Dia of Stem Min	Width B Max	I.D. of Stuff -ing Box Min	Depth Of Stuff- ing Box Min	Squar On Top of Stem $\pm$ 0.5	Length of Squar On Stem $\pm$ 1.0	Depth Of Wed- ge Nut Min	Hydraulic Test Pressure (Gauge) Map		Test Duration (Min) Minutes	
	PDA	ALT-I	ALT-II										Body	Seat	Body	Seat
50	178	250	215	225	280	22	160	42	45	15	30	30	1.5	1.0	5	2
65	190	270	230	225	280	22	215	42	45	15	30	30	1.5	1.0	5	2
80	203	280	230	225	280	22	220	42	45	15	30	30	1.5	1.0	5	2
100	229	300	255	320	360	27	250	47	45	18	36	35	1.5	1.0	5	2
125	254	325	266	320	360	27	310	47	55	18	36	35	1.5	1.0	5	2
150	267	350	280	320	360	27	330	47	55	18	36	35	1.5	1.0	5	2
200	292	400	318	320	450	32	460	56	65	22	42	45	1.5	1.0	5	2
250	330	450	355	360	640	36	495	60	65	25	48	50	1.5	1.0	5	2
300	356	500	380	400	640	36	585	60	65	25	48	50	1.5	1.0	5	2
350	381	550	---	---	500	37	650	61	65	25	45	50				
400	406	600	---	---	640	42	750	66	65	31	54	55				
450	432	650	---	---	720	47	830	75	75	34	64	55				
500	547	700	---	---	720	47	900	75	75	34	64	55				
600	508	800	---	---	720	47	1050	75	75	34	64	55				
700	610	900	---	1130	800	62	1150	94	100	44	78	65				
750	610	950	---	1200	900	67	1200	99	100	48	86	70				
800	660	1000	---	1250	900	67	1300	99	100	48	86	70				
900	711	1100	---	1380	900	77	1400	113	113	53	88	110				
1000	811	1200	---	1500	900	77	1500	113	113	53	88	110				
1100	§	§	---	1650	1000	87	1650	123	113	63	99	115				
1200	§	§	---	1800	1000	87	1800	123	113	63	99	115				

## DIMENSION OF SLUICE VALVE FOR NORMAL PRESSURE PN – 1.6

SIZE N.B. (In MM)	LENGTH OVER FLANGES PD			Centre To Top (Max) "H"	Dia of Hand Wheel D $\pm$ 5	Dia of Stem Min	Width B Max	I.D. of Stuff -ing Box Min	Depth Of Stuff- ing Box Min	Squar On Top of Stem $\pm$ 0.5	Length of Squar On Stem $\pm$ 1.0	Depth Of Wed- ge Nut Min	Hydraulic Test Pressure (Gauge) Map		Test Duration (Min) Minutes	
	PDA	ALT-I	ALT-II										Body	Seat	Body	Seat
50	178	250	215	225	280	22	160	42	45	15	30	30	1.5	1.0	5	2
65	190	270	230	225	280	22	215	42	45	15	30	30	1.5	1.0	5	2
80	203	280	230	225	280	22	220	42	45	15	30	30	1.5	1.0	5	2
100	229	300	255	320	360	27	250	47	45	18	36	35	1.5	1.0	5	2
125	254	325	266	320	360	27	310	47	55	18	36	35	1.5	1.0	5	2
150	267	350	280	320	360	27	330	47	55	18	36	35	1.5	1.0	5	2
200	292	400	318	320	450	32	460	56	65	22	42	45	1.5	1.0	5	2
250	330	450	355	360	640	36	495	60	65	25	48	50	1.5	1.0	5	2
300	356	500	380	400	640	36	585	60	65	25	48	50	1.5	1.0	5	2
350	381	550	---	---	500	37	650	61	65	25	45	50				
400	406	600	---	---	640	42	750	66	65	31	54	55				
450	432	650	---	---	720	47	830	75	75	34	64	55				
500	547	700	---	---	720	47	900	75	75	34	64	55				
600	508	800	---	---	720	47	1050	75	75	34	64	55				

## Selected Accessories of Sluice / Gate Valve



SELECTED ACCESSORIES	
01.	By-Pass Arrangement
02.	Spur Gear Arrangement
03.	Electrical Actuator
04.	Channel And Shoe Arrangement
05.	Extension Shafting / Head Stock / Bevel Gear Arrangement
06.	Thrust Ball Bearing Arrangement
07.	Level Position Indicator
08.	Air Relief Plug
09.	Drain Plug
10.	Back Bush / Bushing Arrangement
11.	Locking Arrangement