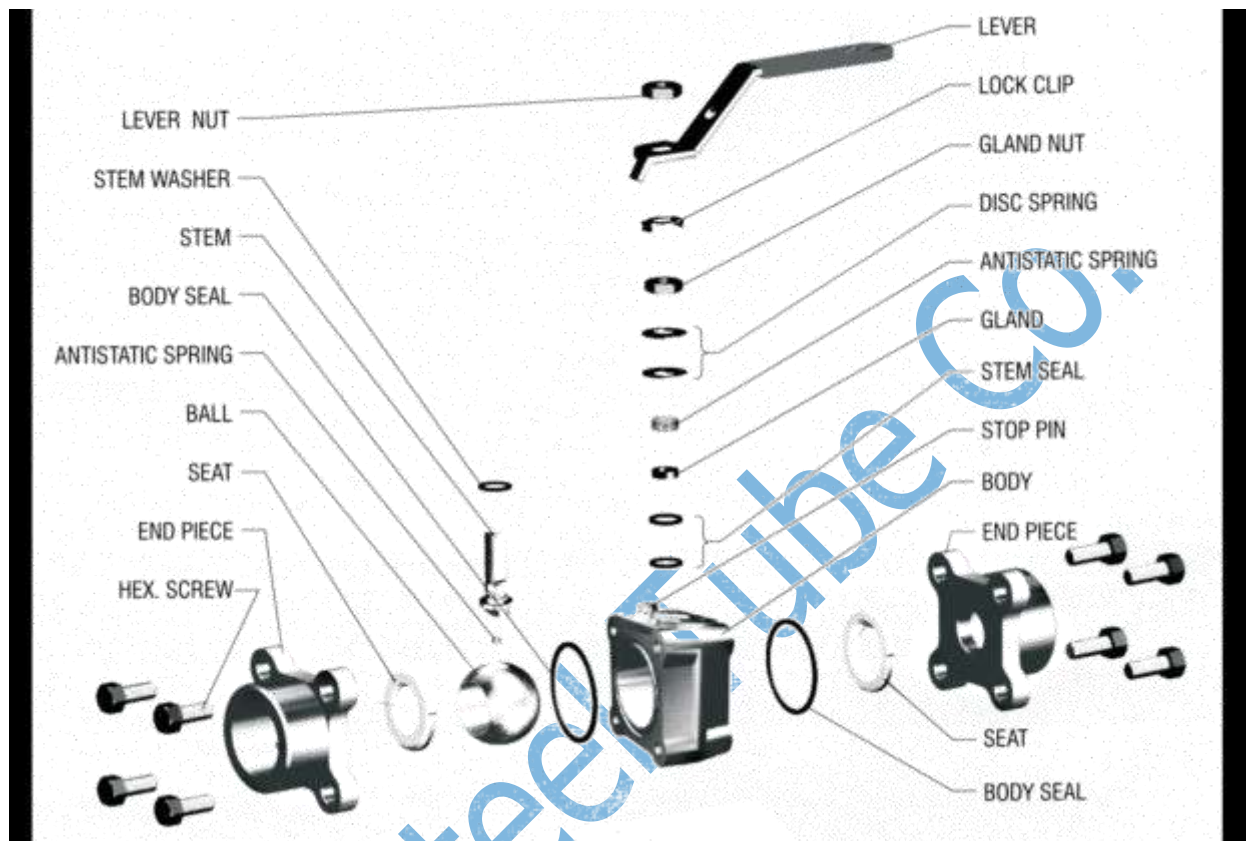




JAIN STEEL TUBE CO.

Ball Valve Parts Three Piece

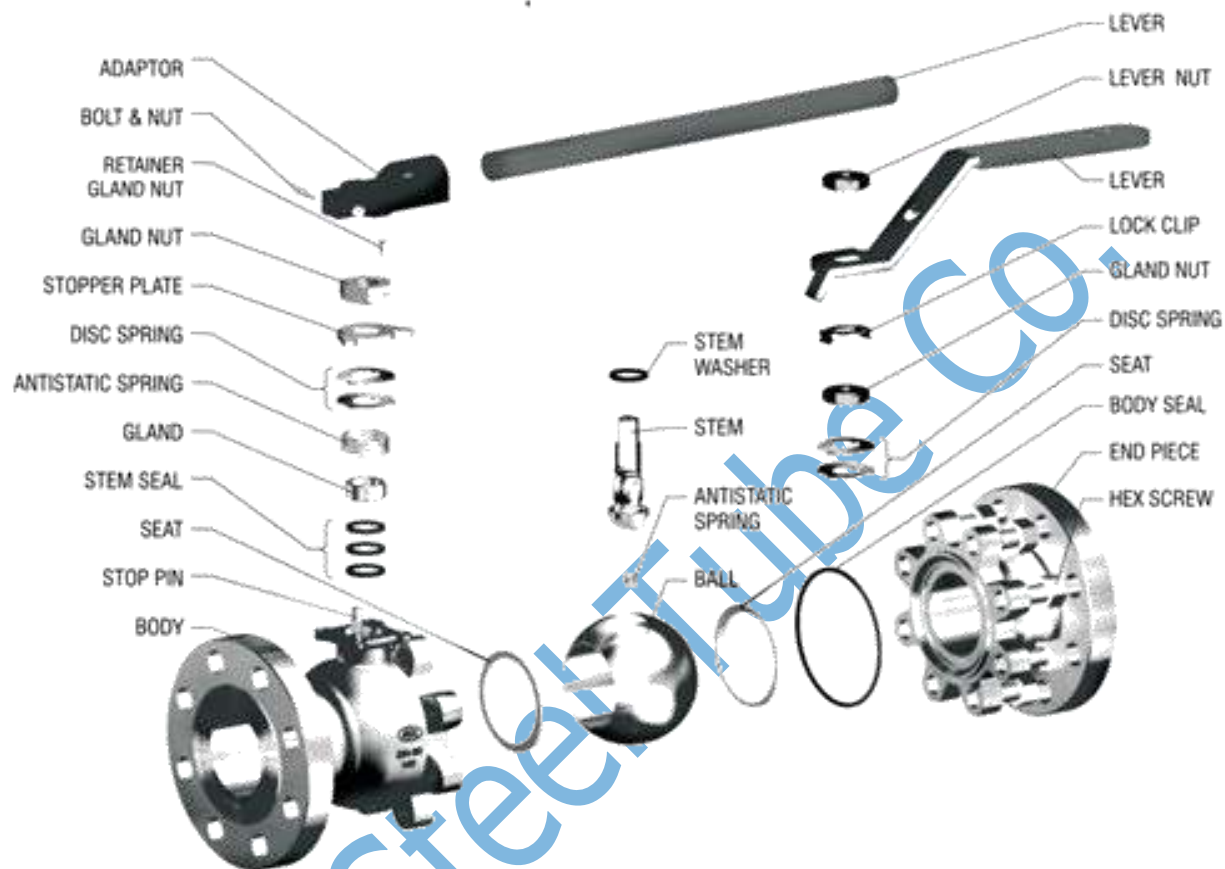




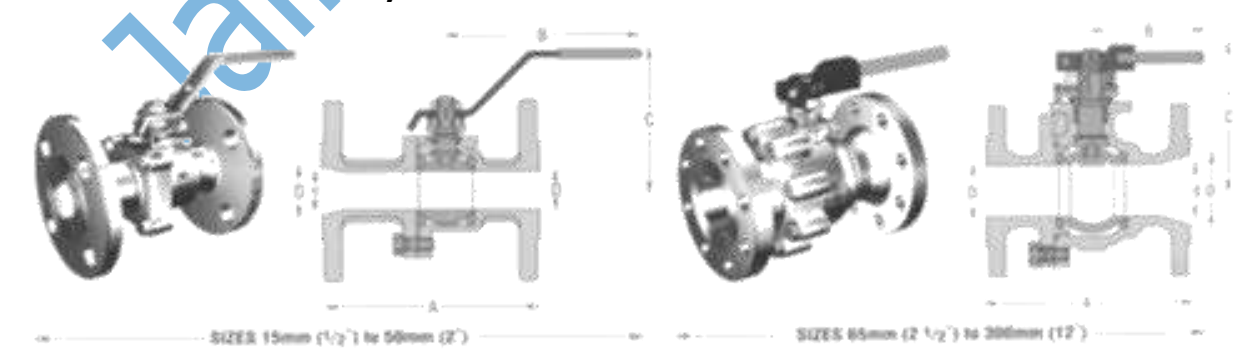
JAIN STEEL TUBE CO.

Ball Valve Parts

Two Piece



Two Piece, Reduced & Full Bore Ball Valves





JAIN STEEL TUBE CO.

DESIGN STD : BS EN ISO 17292 (BS 5351) TESTING STD : EN 12266-1

Test Pressure in bar (psi)					
Pressure rating	Class 150	Class 300	Class 600	Class 900	Class 1500
Hyd. Shell	30 (435)	76 (1102)	155 (2248)	236 (3422)	392 (5684)
Seat	REFER TECHNICAL DATA				
Air Seat	6.9 (100)				

SERIES

'W' R2 / 'W'F2 (Class 150)

'W' R2 / 'W'F2 (Class 300)

APPLICATION :

- Chemical Process Plants
- Fertilizer Plants
- Dyes and Pigments
- Pesticides
- Caustic Chlorine Plants
- Hazardous Fluids
- Acids and Alkalies

RB - REDUCED BORE

Dimensions are in mm (inch)

SIZE mm (inch)	A Class				C		d		D		Wt 1)									
	150	300	600	900 & 1500	RB	RB & FB	RB	RB & FB	RB	FB	Class 150	Class 150	Class 150	Class 300	Class 300	Class 300	Class 600	Class 600	Class 600	Class 1500
15	108	140	165	216	80	11	13	1.2	1.3	1.9	2.1	3.2	3.3	4.6	4.9	5.0	6.0	6.0	6.0	6.0
(1/2)	(4.3)	(5.5)	(6.5)	(8.5)	(3.1)	(0.4)	(0.5)	(2.6)	(3.0)	(4.2)	(4.6)	(7.1)	(7.3)	(10.7)	(10.8)	(11.0)	(13.2)	(13.2)	(13.2)	(13.2)
20	117	152	190	229	85	13	20	1.6	2.0	2.9	3.2	4.8	5.0	6.5	7.1	7.5	9.5	9.5	9.5	9.5
(3/4)	(4.6)	(6.0)	(7.5)	(9.0)	(3.3)	(0.5)	(0.8)	(3.5)	(4.4)	(6.4)	(7.1)	(10.6)	(11.0)	(14.3)	(15.0)	(16.5)	(20.9)	(20.9)	(20.9)	(20.9)
25	127	165	216	254	90	20	25	2.3	2.7	3.9	4.3	6.5	6.7	8.8	13.0	10.0	14.0	14.0	14.0	14.0
(1)	(5.0)	(6.5)	(8.5)	(10.0)	(3.5)	(0.8)	(1.0)	(5.1)	(6.0)	(8.6)	(9.5)	(14.3)	(14.6)	(19.4)	(28.7)	(22.0)	(30.9)	(30.9)	(30.9)	(30.9)
32	140	178	229	280	105	25	32	3.4	3.8	5.2	5.8	8.4	9.0	12.5	21.0	16.0	23.0	23.0	23.0	23.0
(1 1/4)	(5.5)	(7.0)	(9.0)	(11.0)	(4.1)	(1.0)	(1.3)	(7.5)	(8.4)	(11.5)	(12.8)	(16.5)	(16.8)	(19.8)	(27.6)	(46.3)	(35.3)	(50.7)	(50.7)	(50.7)
40	165	190	241	305	110	32	38	4.8	5.0	7.5	8.1	13.0	14.0	20.0	28.0	23.0	29.0	29.0	29.0	29.0
(1 1/2)	(6.5)	(7.5)	(9.5)	(12.0)	(4.3)	(1.3)	(1.5)	(10.6)	(11.0)	(16.5)	(18.0)	(28.7)	(30.9)	(44.1)	(61.7)	(50.7)	(63.9)	(63.9)	(63.9)	(63.9)
50	178	216	292	368	135	38	50	6.8	8.2	9.3	10.8	16.0	21.0	27.0	31.0	32.0	-	-	-	-
(2)	(7.0)	(8.5)	(11.5)	(14.5)	(5.3)	(1.5)	(2.0)	(15.0)	(18.1)	(20.3)	(23.8)	(35.3)	(46.3)	(59.5)	(68.3)	(70.5)	-	-	-	-
65	190	241	330	419	155	50	64	10.5	15.5	13.5	21.5	25.0	30.0	40.0	50.0	-	-	-	-	-
(2 1/2)	(7.5)	(9.5)	(13.0)	(16.5)	(6.1)	(2.0)	(2.5)	(23.1)	(34.1)	(29.8)	(45.4)	(55.1)	(66.1)	(88.2)	(110.2)	-	-	-	-	-
80	203	283	356	-	170	58	76	16.5	18.5	24.5	30.0	33.0	38.0	-	-	-	-	-	-	-
(3)	(8.0)	(11.1)	(14.0)	-	(6.7)	(2.3)	(3.0)	(36.0)	(40.8)	(54.0)	(66.1)	(72.8)	(83.8)	-	-	-	-	-	-	-
100	229	305	432	-	205	76	98	24.0	32.0	40.0	50.0	55.0	90.0	-	-	-	-	-	-	-
(4)	(9.0)	(12.0)	(17.0)	-	(8.1)	(3.0)	(3.9)	(53.0)	(70.5)	(88.2)	(110.0)	(143.3)	(198.4)	-	-	-	-	-	-	-
150	267	403	559	-	★	98	152	40.0	58.0	68.0	139.0	85.0	-	-	-	-	-	-	-	-
(6)	(10.5)	(15.9)	(22.0)	-	★	(3.9)	(6.0)	(88.0)	(128.0)	(150.0)	(306.0)	(187.4)	-	-	-	-	-	-	-	-
200	292	419	-	-	★	144	203	73.8	95.0	152.0	226.0	-	-	-	-	-	-	-	-	-
(8)	(11.5)	(16.5)	-	-	★	(5.3)	(8.0)	(161.0)	(209.0)	(335.0)	(278.0)	-	-	-	-	-	-	-	-	-
250	330	457	-	-	★	187	250	122.0	153.0	194.0	275.0	-	-	-	-	-	-	-	-	-
(10)	(13.0)	(18.0)	-	-	★	(7.4)	(9.8)	(269.0)	(337.0)	(428.0)	(606.0)	-	-	-	-	-	-	-	-	-
300	356/410	502	-	-	★	228	300	146.0	290.0	271.0	-	-	-	-	-	-	-	-	-	-
(12)	(14/24)	(19.8)	-	-	★	(9.0)	(11.8)	(322.0)	(638.0)	(597.0)	-	-	-	-	-	-	-	-	-	-

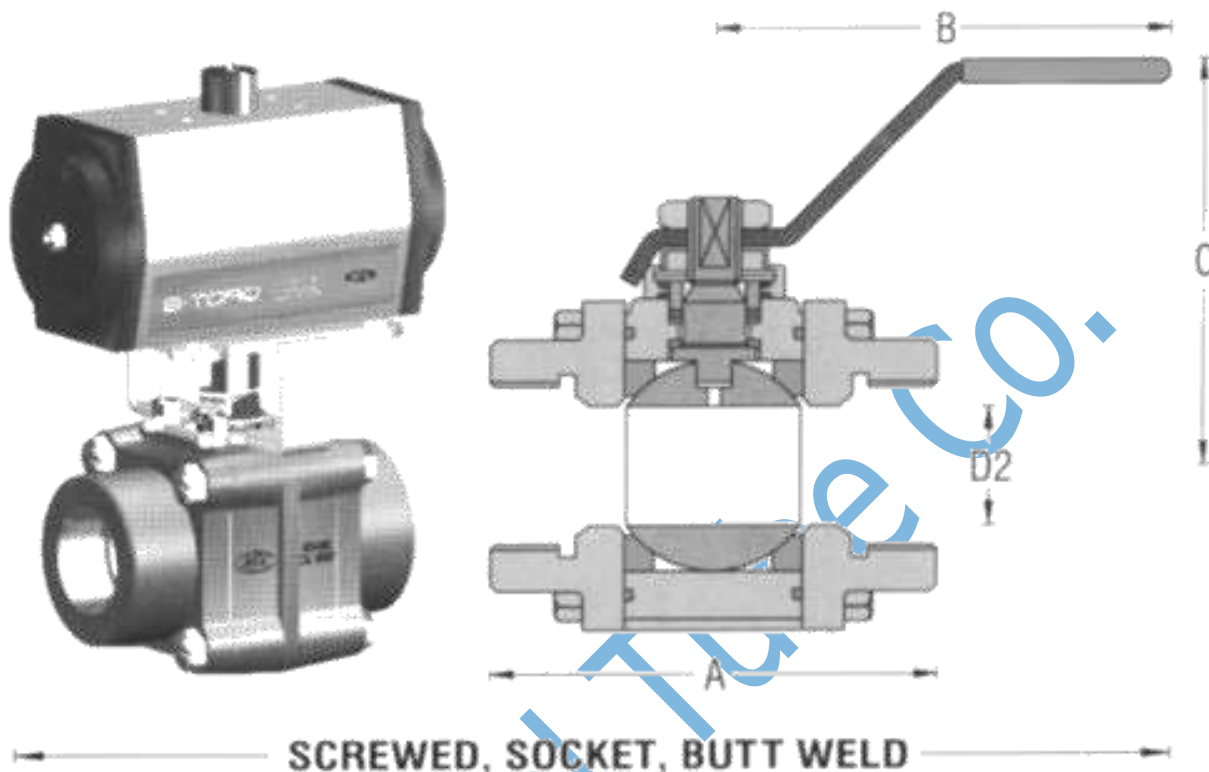
Materials

Body / End piece	Carbon Steel ASTM A126 Gr. WCB / Stainless Steel ASTM A351 Gr. CF8 / CF8M / CF3 / CF3M / CN7M / Duplex
Ball / Stem	Stainless Steel ASTM A217 Gr. CA15 / ASTM A351 Gr. CF8 / CF8M / CN7M / ASTM A276 Type 410 / 304 / 316 / Duplex
Seat	PTFE / CFT / GFT / DELRIN / NYLON / PEEK / METAL
Stem Washer	GFT / Grafoil
Stem Seal / Body Seal	Grafoli
Lever	Steel
Body Studs / Nuts	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H
Surface Protection for Carbon Steel Valves	Base Phosphating. Additional External Coating : Smoke Grey Synthetic Enamel



JAIN STEEL TUBE CO.

Two Piece, Reduced & Full Bore



TEST PRESSURE IN BAR (psi)			
SE, SWE & BWE			
Pressure rating		Class 600	Class 800
Hyd. Seal	150 (2176)	207 (3002)	
Seat	75 (1102)		
Air Seal	6.9 (100)		

SERIES

'W' R3 / 'W' F3 (Class 600)
'W' R3 / 'W' F3 (Class 800)

APPLICATIONS :

- Chemical Process Plants
- Fertilizer Plants
- Dyes and Pigments
- Pesticides
- Caustic Chlorine Plants
- Hazardous Fluids
- Acids and Alkalies

RB = REDUCED BORE

Dimensions are in mm (inch)

FB = FULL BORE

SE, SWE & BWE

SIZE mm (inch)	A		B		C	d		D		D2	
	SE, SWE, BWE RB	FB	RB	FB		RB	RB & FB	RB	FB	RB	FB
8	64	64	120	120	80	-	-	08	08		
(1/4)	(2.5)	(2.5)	(4.7)	(4.7)	(3.1)	-	-	(0.3)	(0.3)		
10	64	64	120	120	80	-	-	11	11		
(3/8)	(2.5)	(2.5)	(4.7)	(4.7)	(3.1)	-	-	(0.4)	(0.4)		
15	64	64	120	120	80	11	13	11	13		
(1/2)	(2.5)	(2.5)	(4.7)	(4.7)	(3.1)	(0.4)	(0.5)	(0.4)	(0.5)		
20	70	75	120	145	85	13	20	13	20		
(3/4)	(2.8)	(3.0)	(4.7)	(5.7)	(3.3)	(0.5)	(0.8)	(0.5)	(0.8)		
25	88	88	145	145	90	20	25	20	25		
(1)	(3.5)	(3.5)	(5.7)	(5.7)	(3.5)	(0.8)	(1.0)	(0.8)	(1.0)		
32	105	105	145	175	105	25	32	25	32		
(1 1/4)	(4.1)	(4.1)	(5.7)	(6.9)	(4.1)	(1.0)	(1.3)	(1.0)	(1.3)		
40	114	114	175	175	110	32	88	32	38		
(1 1/2)	(4.5)	(4.5)	(6.9)	(6.9)	(4.3)	(1.3)	(1.5)	(1.3)	(1.5)		
50	130	145	175	300	135	38	50	38	50		
(2)	(5.1)	(5.7)	(6.9)	(11.8)	(5.3)	(1.5)	(2.0)	(1.5)	(2.0)		

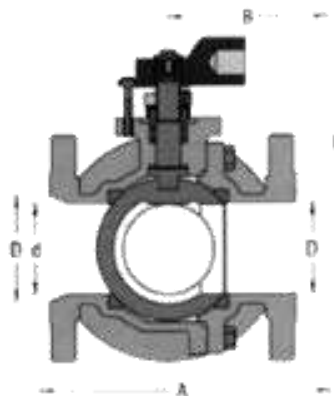
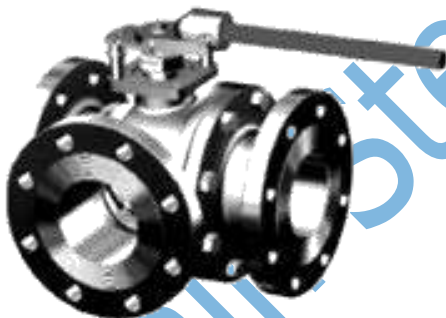


JAIN STEEL TUBE CO.

Materials	
Body / End piece	Forged Carbon Steel ASTM A105 / Cast Carbon Steel ASTM A216 Gr. WCB / Stainless Steel ASTM A182 Gr. F304 / F316, ASTM A351 Gr. CF8 / CF8M / CF3 / CF3M / CN7M / Duplex
Ball / Stem	Stainless Steel ASTM A276 A276 Type 410 / 304 / 316 / A20 / Duplex
Seat	PTFE / CFT / GFT / DELRIN / NYLON / PEEK / METAL
Stem Washer	GFT / Grafoil
Stem Seal / Body Seal	Grafoil
Lever	Steel with PVC Sleeve
Body Studs / Nuts	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H
Surface Protection for Carbon	Base Phosphating. Additional External Coating : Smoke Grey Synthetic Enamel
Steel Valves	



Two Piece, Three Way, Reduced & Full Bore





JAIN STEEL TUBE CO.

DESIGN STD : BS EN ISO 17292 (BS 5351) TESTING STD : EN 12266-1

Test Pressure in bar (psi)		
Pressure rating	Class 150	Class 300
Hyd. Shell	30 (435)	78 (1102)
Seat	REFER TECHNICAL DATA	
Air Seat	6.9 (100)	

SERIES

'W' R2-3W / 'W'F2-3W (Class 150)

'W' R2-3W / 'W'F2-3W (Class 300)

APPLICATIONS

- Chemical Process Plants
- Fertilizer Plants
- Dyes and Pigments
- Pesticides
- Caustic Chlorine Plants
- Hazardous Fluids
- Acids and Alkalies

RB = REDUCED BORE

FB = FULL BORE

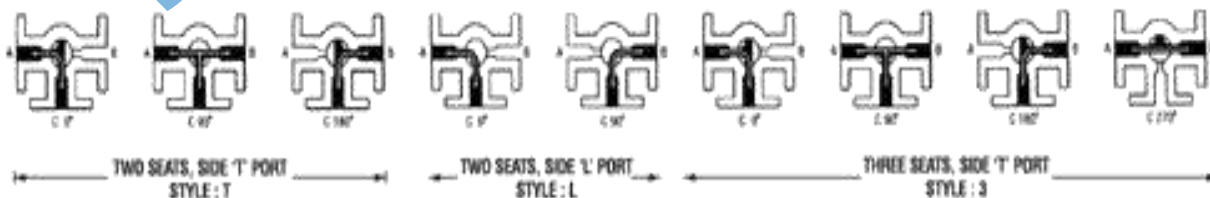
Dimensions are in mm (inch)

SIZE mm (inch)	A			B				C	d	D	WT 1)			
	Class 150 2 SEATS	Class 300 3 SEATS	Class 300 2 & 3 SEATS	RB	FB	RB	FB				Class 150 RB	Class 150 FB	Class 300 RB	Class 300 FB
50 (2)	178 (7.0)	203 (8.0)	216 (8.5)	-	307 (12.1)	-	352 (13.9)	135 (5.3)	-	50 (2)	-	14 (0.9)	-	19 (0.7)
65 (2 1/2)	190 (7.5)	222 (8.7)	241 (9.5)	307 (12.1)	482 (19.0)	352 (13.9)	482 (19.4)	155 (6.1)	50 (2.0)	64 (2.5)	17 (0.7)	24 (0.9)	18 (0.7)	29 (1.1)
80 (3)	203 / 305 ¹ (8.0 / 12.0)	241 (9.5)	283 (11.1)	482 (19.0)	482 (19.0)	492 (19.4)	592 (23.3)	170 (6.7)	58 (2.3)	76 (3.0)	28 (1.1)	29 (1.1)	33 (1.3)	40 (1.6)
100 (4)	229 / 394 ² (9.0 / 15.5)	305 (12.0)	305 (12.0)	482 (19.0)	592 (23.3)	592 (23.3)	790 (31.1)	205 (8.1)	76 (3.0)	98 (3.9)	38 (1.5)	50 (2.0)	53 (2.1)	68 (2.7)
150 (6)	267 (10.5)	394 (15.5)	403 (15.9)	592 (23.3)	790 (31.1)	790 (31.1)	★	265 (10.4)	98 (3.9)	152 (6.0)	48 (1.9)	90 (3.5)	91 (3.6)	136 (5.3)
200 (8)	457 (18.0)	457 (18.0)	502 (19.8)	790 (31.1)	★	★	★	★	144 (5.7)	203 (8.0)	100 (4.0)	147 (5.8)	180 (7.1)	190 (7.5)
250 (10)	533 (21.0)	533 (21.0)	568 (22.4)	★	★	★	★	★	187 (7.4)	250 (9.8)	168 (6.6)	240 (9.4)	270 (10.6)	380 (15.0)
300 (12)	610 (24.0)	610 (24.0)	648 (25.5)	★	★	★	★	★	228 (9.0)	300 (11.8)	195 (7.7)	300 (11.8)	350 (13.8)	425 (16.7)

Materials

Body / End piece	Carbon Steel ASTM A216 Gr. WCB, A352 Gr. LCB, Stainless Steel ASTM A351 Gr. CF8 / CF8M / CF3 / CF3M / CN7M / Duplex
Ball	Stainless Steel ASTM A212 Gr. CA15, A351 Gr. CF8 / CF8M / CN7M / Duplex
Stem / Gland	Stainless Steel ASTM A276 Type 410 / 304 / 316 / Duplex
Seat	PTFE / CPT / GFT / DELRIN / NYLON / PEEK / METAL
Stem Washer	GFT / Gralon
Stem Seal / Body Seal	Gralon
Lever	Steel
Body Studs / Nuts	ASTM A193 Gr. B7 / ASTM A194 Gr. 2H
Surface Protection for Steel Valves	Base phosphating. Additional External Coating : Smoke Grey Synthetic Enamel

FLOW PATTERNS

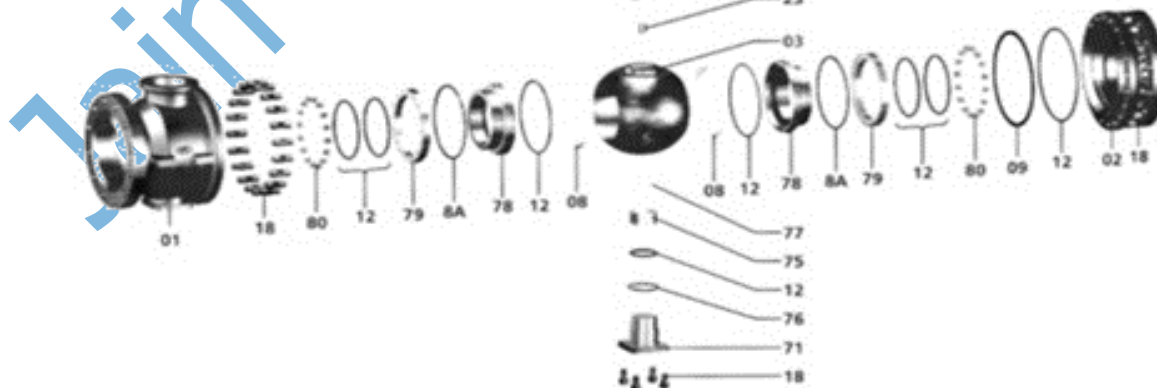
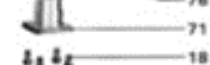
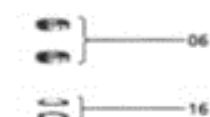
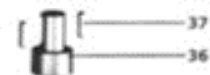
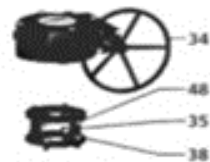




JAIN STEEL TUBE CO.

Ball Valve Parts

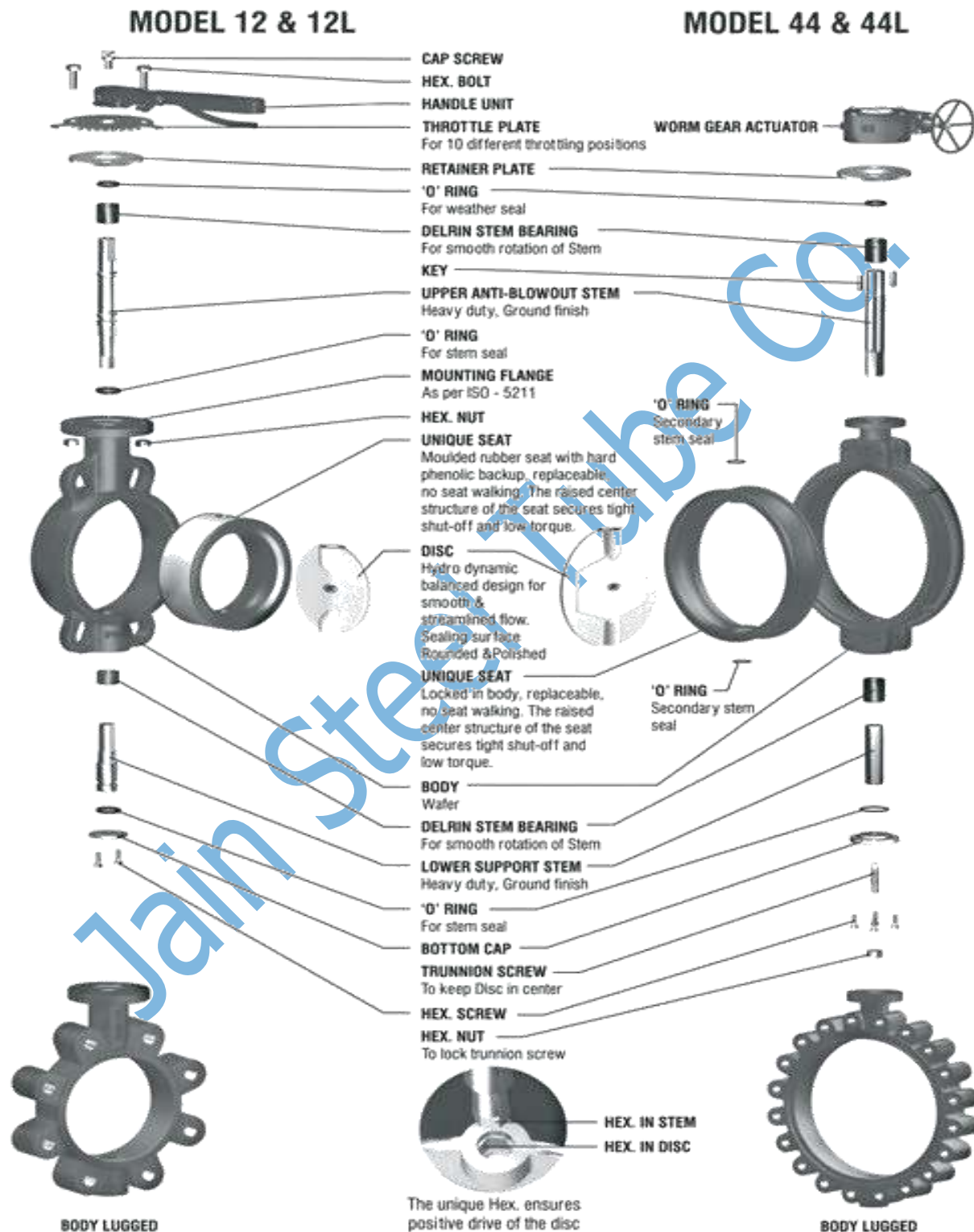
PART NO	PART NAME
01	BODY
02	END PIECE
03	BALL
04	STEM
05	GLAND
06	GLAND NUT
08	SEAT
8A	BODY SEAL
10	STEM SEAL
11	STEM WASHER
12	'O' RING
16	DISC SPRING
18	STUD / NUT
23	ANTISTATIC SPRING
34	GEAR ACTUATOR
35	BRACKET
36	ADAPTER
37	KEY
38	HEX. SCREW - STUFFING BOX TO BRACKET
43	HEX. SOC. HD. CAP SCREW
48	BODY TO STUFFING BOX
71	HEX. SCREW - BRACKET TO ACTUATOR
72	TRUNNION
73	STUFFING BOX
74	STUFFING BOX BEARING
75	STUFFING BOX SEAL
76	TRUNNION BEARING
77	TRUNNION SEAL
78	THRUST WASHER
79	SEAT RETAINER
80	BACKUP RING
82	COIL SPRING
82	SUPPORT RING





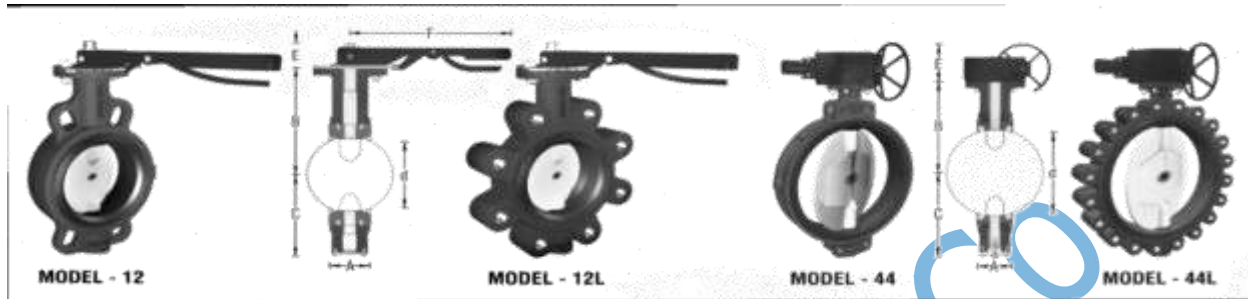
JAIN STEEL TUBE CO.

Butterfly Valve Parts



Butterfly Valves

Model 12, 12L, 44 & 44L



FULLY COMPLIANT TO DESIGN STD : EN 593 & API 609 TESTING STD : EN 12266-1 & API 598

	Test Pressure in bar (psi)			
Pressure rating	PN16	PN25	PN40	PN64
Hyd. Shell	24 (348)	15(218)	9 (131)	6 (87)
Seat	17.6(255)	11 (160)	8.6 (95)	4.4 (64)
Air Seat	6.9 (100)	6.6 (95)	4.4 (64)	

APPLICATION:

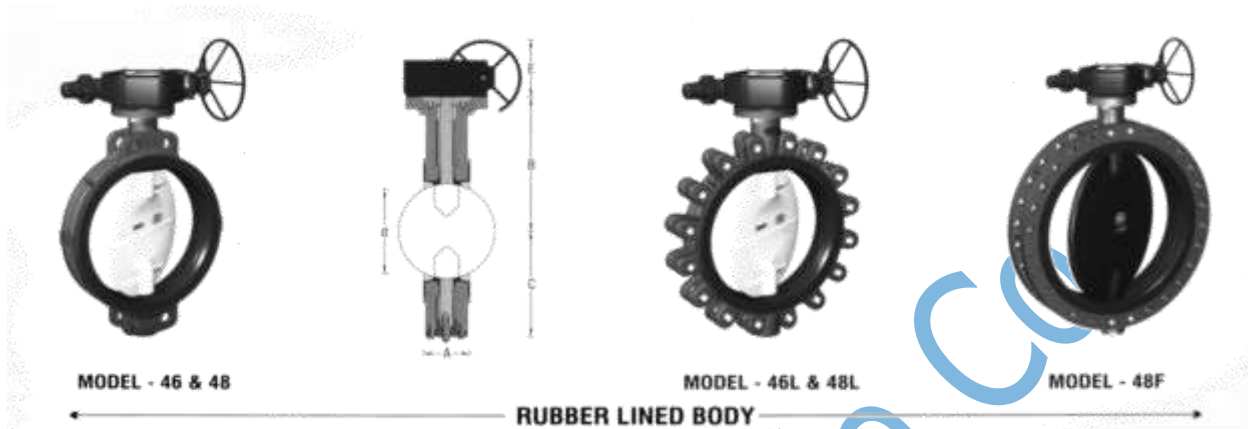
a) WATER	b) SEA WATER & BRINE	c) AIR
d) EFFLUENTS	e) WEAK ACID & ALKALI	f) OILS

Dimensions are in mm (inch) MODEL - 12 & 12L - PN16 RATING								
SIZE	A	B	C	d	E	F	Wt to	
mm (inch)							12	12L
32/40 (1 1/4 / 1 1/2)	33 (1.3)	95 (3.7)	65 (2.6)	13 (0.5)	30 (1.2)	300 (11.8)	4.0 (9)	5.5 (12)
50 (2)	43 (1.7)	115 (4.5)	75 (2.9)	33.5 (1.3)	30 (1.2)	300 (11.8)	4.5 (10)	6.5 (14)
65 (2 1/2)	46 (1.8)	117 (4.6)	85 (3.3)	47 (1.9)	30 (1.2)	300 (11.8)	5 (11)	8.5 (19)
80 (3)	46 (1.8)	135 (5.3)	90 (3.5)	56 (2.6)	30 (1.2)	300 (11.8)	5.5 (12)	9 (20)
100 (4)	52 (2.0)	153 (6.)	118 (4.6)	91.5 (3.6)	30 (1.2)	300 (11.8)	7 (15)	13 (29)
125 (5)	56 (2.2)	172 (6.8)	135 (5.3)	118 (4.6)	30 (1.2)	300 (11.8)	8 (17)	17 (37)
150 (6)	56 (2.2)	185 (7.3)	148 (5.8)	146 (5.7)	30 (1.2)	300 (11.8)	9 (20)	19 (42)
200 (8)	60 (2.4)	221 (8.7)	175 (6.9)	199 (7.8)	170 (6.7)	180 (7.1)	28 (62)	43 (95)
250 (10)	68 (2.7)	250 (9.8)	210 (8.3)	247 (9.7)	170 (6.7)	180 (7.1)	34 (75)	56 (123)
300 (12)	78 (3.1)	277 (10.9)	250 (9.8)	297 (11.7)	200 (7.9)	240 (9.4)	51 (112)	92 (209)

Dimensions are in mm (inch) MODEL - 44 & 44L - PN10 RATING								
SIZE	A	B	C	d	E	F	Wt to	
mm (inch)							44	44L
200 (8)	60 (2.4)	221 (8.7)	175 (6.9)	199 (7.8)	170 (6.7)	180 (7.1)	28 (62)	43 (95)
250 (10)	68 (2.7)	250 (9.8)	210 (8.3)	247 (9.7)	170 (6.7)	180 (7.1)	34 (75)	56 (123)
300 (12)	78 (3.1)	277 (10.9)	250 (9.8)	297 (11.7)	200 (7.9)	240 (9.4)	51 (112)	92 (209)
350 (14)	92 (3.6)	320 (12.6)	297 (11.7)	325 (12.8)	290 (11.4)	295 (11.6)	65 (143)	100 (220)
400 (16)	102 (4.0)	360 (14.2)	327 (12.9)	370 (14.6)	290 (11.4)	295 (11.6)	86 (190)	140 (309)
450 (18)	114 (4.5)	390 (15.4)	355 (14.0)	420 (16.5)	335 (13.2)	370 (14.6)	110 (242)	190 (419)
500 (20)	127 (5.0)	420 (16.5)	385 (15.2)	465 (18.3)	335 (13.2)	370 (14.6)	140 (309)	230 (507)
600 (24)	154 (6.1)	490 (19.3)	475 (18.7)	560 (22.0)	445 (17.5)	410 (16.1)	220 (485)	310 (683)

Materials	
Body	Cast iron ASTM A126 Class B/EN 1561 No EN-JL 1030 / Ductile Iron ASTM A536 Gr. 60-40-18 / EN 1536 No.EN-JS 1024 / Carbon Steel ASTM A216 Gr. WCB
Disc	Ductile Iron ASTM A536 Gr. 60-40-18 / EN 1563 No. EN-JS 1024 / Stainless Steel ASTM A217 CA15 / ASTM A351 Gr. CFB / CF8M, Even Rubber Lined.
Seat	Nitrile / Neoprene / EPDM / Butyl / Viton / Silicon
Stem	Stainless Steel ASTM A276 Type 410 / 304 / 316
Stem Bearing	Delrin
Handle Unit	Carbon Steel
Gear Unit	Housing In Cast Iron, Gear in S.G. Iron & Worm in EN8
Surface Protection for Ductile Iron and Cast Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Black Stoving Enamel.

Butterfly Valve Model 46, 46L, 48, 48L & 48F



FULLY COMPLIANT TO DESIGN STD : EN 593 & API 609 TESTING STD : EN 12266-1 & API 598

Test Pressure in bar (psig)		
Pressure rating	PN16	PN6
Hyd. Shell	24 (348)	9 (131)
Seat	17.6 (258)	6.6 (96)
Air Seat	6.9 (100)	6.6 (96)

APPLICATION :

1) WATER	2) SEA WATER & BRINE	3) AIR
4) FERTILIZERS	5) WEAK ACID & ALKALI	6) OILS

Dimensions are in mm (inch) MODEL - 46 & 46L - PN16 RATING							
SIZE mm (inch)	A	B	C	d	E	Wt (kg)	
						46	46L
200 (8)	60 (2.4)	221 (8.7)	175 (6.9)	199 (7.8)	170 (6.7)	31 (68)	46 (102)
250 (10)	68 (2.7)	250 (9.8)	210 (8.3)	247 (9.7)	170 (6.7)	40 (88)	62 (137)
300 (12)	76 (3.1)	277 (10.9)	250 (9.8)	297 (11.7)	200 (7.9)	58 (128)	102 (225)
350 (14)	92 (3.6)	320 (12.6)	292 (11.5)	325 (12.8)	290 (11.4)	76 (168)	112 (247)
400 (16)	102 (4.0)	360 (14.2)	327 (12.9)	370 (14.6)	290 (11.4)	92 (203)	146 (322)
450 (18)	114 (4.5)	390 (15.4)	355 (14.0)	420 (16.5)	335 (13.2)	120 (265)	200 (441)
500 (20)	127 (5.0)	420 (16.5)	385 (15.2)	465 (18.3)	335 (13.2)	160 (353)	240 (529)
600 (24)	154 (6.1)	490 (19.3)	475 (18.7)	560 (22.0)	445 (17.5)	245 (540)	335 (738)

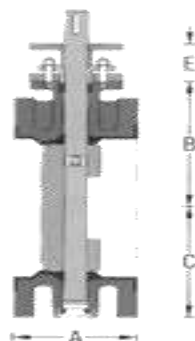
Dimensions are in mm (inch) MODEL - 48, 48L & 48F - PN6 RATING							
SIZE mm (inch)	A	B	C	d	E	Wt (kg)	
						48	48L
650 (26)	165 (6.5)	490 (19.3)	450 (17.7)	616 (24.3)	275 (10.8)	175 (386)	230 (507)
700 (28)	165 (6.5)	550 (21.7)	500 (19.7)	670 (26.4)	352 (13.9)	230 (507)	365 (805)
750 (30)	190 (7.5)	610 (24.0)	540 (21.3)	715 (28.1)	303 (11.9)	275 (606)	403 (888)
800 (32)	190 (7.5)	635 (25.0)	560 (22.0)	764 (30.1)	303 (11.9)	310 (683)	490 (1080)
900 (36)	203 (8.0)	680 (26.8)	640 (25.2)	870 (34.3)	318 (12.5)	450 (992)	700 (1543)
1000 (40)	216 (8.5)	740 (29.1)	705 (27.8)	970 (38.2)	318 (12.5)	570 (1257)	840 (1852)

Materials	
Body	Cast iron ASTM A126 Class B / EN 1561 No. EN-JL 1030 / Ductile Iron ASTM A395 Gr. 60-40-18 / EN 1563 No. EN-JS 1024 / Carbon Steel ASTM A216 Gr. WCB
Disc	Ductile Iron ASTM A395 Gr. 60-40-18 / EN 1563 No. EN-JS 1024 / Stainless Steel ASTM A217 CA15 / ASRM A351 Gr. CFB / CF8M / Aluminium Bronze
Seat 2)	EPDM / Nitrile / Neoprene / Butyl
Stem	Stainless Steel ASTM A276 Type 410 / 340 / 316 Monel
Stem Bearing	Poly Acetal (Delrin)
Gear Unit	Housing in Cast Iron, Gear in S.G. Iron & Worm in EN8
Surface Protection for Ductile Iron and Cast Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Black Stoving Enamel.

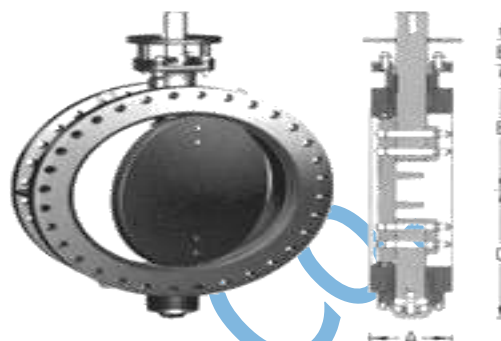


JAIN STEEL TUBE CO.

Butterfly Valve Model 85F, AWWA C504



SIZE 80 (3") TO 500 (20")
RUBBER LINED BODY



SIZE 600 (24") TO 1800 (72")
SEAL ON BODY

FULLY COMPLIANT TO DESIGN STD : AWWA C504 TESTING STD : AWWA C504

Test Pressure in bar (psi)				
Pressure rating	Class - 250	Class - 150	Class - 75	Class - 25
Hyd. Shell	34 (500)	21 (300)	10.5 (150)	3.5 (50)
Seal	17.2 (254)	10.5 (152)	5.25 (76)	1.75 (25)
Air Seat	6.9 (100)		5.25 (76)	1.75 (25)

APPLICATION :

- a) WATER b) SEA WATER & BRINE
c) EFFLUENTS

Dimensions are in mm (inch)

AWWA C504

SIZE mm (inch)	A	B	C	E	WT. (L) CLASS		
					150	75	25
80 (3)	127 (5.1)	135 (5.3)	125 (4.9)	100 (4)	32 (71)	-	-
100 (4)	127 (5.0)	153 (6.0)	135 (5.3)	100 (4)	35 (77)	-	-
150 (6)	127 (5.0)	185 (7.3)	180 (7.1)	100 (4)	75 (165)	-	-
200 (8)	152 (6.0)	221 (8.7)	225 (8.9)	100 (4)	95 (209)	-	-
250 (10)	203 (8.0)	275 (10.8)	250 (9.8)	100 (4)	101 (223)	-	-
300 (12)	203 (8.0)	299 (11.4)	277 (10.9)	100 (4)	108 (238)	-	-
350 (14)	203 (8.0)	320 (12.6)	315 (12.4)	150 (6)	130 (287)	-	-
400 (16)	203 (8.0)	360 (14.2)	350 (13.8)	150 (6)	180 (397)	-	-
450 (18)	203 (8.0)	390 (15.4)	385 (15.2)	150 (6)	200 (441)	-	-
500 (20)	203 (8.0)	420 (16.5)	420 (16.5)	150 (6)	220 (485)	-	-
600 (24)	203 (8.0)	500 (19.7)	508 (20.0)	150 (6)	630 (1389)	-	-
750 (30)	305 (12.0)	599 (23.2)	565 (22.2)	225 (9)	920 (2028)	-	-
900 (36)	305 (12.0)	695 (27.4)	735 (28.9)	225 (9)	1425 (3142)	-	-
1050 (42)	305 (12.0)	775 (30.5)	800 (31.5)	225 (9)	1850 (4079)	-	-
1200 (48)	381 (15.0)	860 (33.9)	890 (35.0)	300 (12)	2260 (4982)	2000 (4409)	1900 (4189)
1350 (54)	381 (15.0)	950 (37.4)	975 (38.4)	300 (12)	3000 (6614)	2260 (4982)	2000 (4409)
1500 (60)	381 (15.0)	1035 (40.7)	1065 (41.9)	350 (14)	4850 (10692)	3000 (6614)	2500 (5512)
1650 (66)	457 (18.0)	1156 (45.5)	1130 (44.5)	350 (14)	5848 (12892)	4250 (9370)	3850 (8488)
1800 (72)	457 (18.0)	1245 (49.0)	1219 (48.0)	350 (14)	7748 (17064)	5848 (12892)	4850 (10692)

Materials

Body	Cast iron ASTM A126 Class B / Ductile Iron ASTM A536 Gr. 60-40-18 / ASTM A395 Gr. 65-45-15 / Carbon Steel ASTM A216 Gr. WCB / Stainless Steel ASTM A351 Gr. CFB / CF8M
Disc#	Cast iron ASTM A126 Class B / Ductile Iron ASTM A536 Gr. 60-40-18 / ASTM A395 Gr. 65-45-15 / Carbon Steel ASTM A216 Gr. WCB / Stainless Steel ASTM A351 Gr. CFB / CF8M
Body Lining / Body Seal* / Disc Seal	EPDM / Nitrile / Neoprene / Viton / Silicon
Body Seal **	Stainless Steel ASTM A351 Gr. CFB / CF8M
Stem	Stainless Steel ASTM A276 Type 410 / 304 / 316 / ASTM A564 TYPE 630 (17-4PH) Heat Treated
Stem Bearing	Carbon Steel backed PTFE / Stainless Steel backed PTFE / Lead Bronze
Surface Protection for Ductile Iron and Cast Carbon Steel Valves	Prime Coat : Chlorine free with modified alkylid resin unobjectionable in physiological and toxicological respects. Additional external coating : Black Enamel.



JAIN STEEL TUBE CO.

Butterfly Valve Model 85F, EN 593



FULLY COMPLIANT TO DESIGN STD : EN 593 TESTING STD : EN 12284-1

	Test Pressure in bar (psi)			
Pressure rating	PN10	PN16	PN25	PN40
Hyd. Steel	24 (348)	16 (232)	9 (131)	3.75 (54)
Seat	17.6 (255)	11 (160)	6.6 (96)	2.75 (40)
Air Seat	6.6 (96)	4.4 (64)	2.75 (40)	1.1 (16)

APPLICATION	
WATER	SEA WATER & BRINE
UP TO 150 DEGREE	

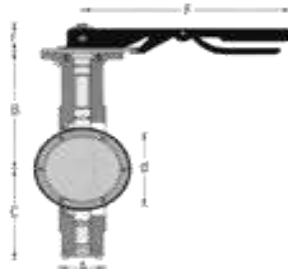
Dimensions are in mm (inch)											
EN 593											
SIZE	A	B	C	F				Wt. 1)			
mm (inch)				10	16	25	40	PN	6	2.5	
65 (2 1/2)	112 (4.4)	135 (5.3)	118 (4.6)	300 (11.8)	300 (11.8)	-	-	12 (27)	12 (27)	-	-
80 (3)	114 (4.5)	135 (5.3)	115 (4.5)	300 (11.8)	300 (11.8)	-	-	32 (71)	32 (71)	-	-
100 (4)	127 (5.0)	153 (6.0)	135 (5.3)	300 (11.8)	300 (11.8)	-	-	35 (77)	35 (77)	-	-
150 (6)	140 (5.5)	185 (7.3)	180 (7.1)	300 (11.8)	300 (11.8)	-	-	65 (143)	65 (143)	-	-
200 (8)	152 (6.0)	221 (8.7)	215 (8.5)	340 (13.4)	340 (13.4)	-	-	75 (165)	75 (165)	-	-
250 (10)	165 (6.5)	250 (9.8)	245 (9.6)	375 (14.8)	375 (14.8)	-	-	100 (221)	80 (178)	-	-
300 (12)	178 (7.0)	277 (10.9)	277 (10.9)	425 (16.7)	425 (16.7)	-	-	120 (265)	90 (198)	-	-
350 (14)	190 (7.5)	300 (11.8)	315 (12.4)	465 (18.3)	465 (18.3)	-	-	150 (331)	120 (265)	-	-
400 (16)	216 (8.5)	360 (14.2)	350 (13.8)	515 (20.3)	515 (20.3)	-	-	200 (441)	175 (386)	-	-
450 (18)	222 (8.7)	390 (15.4)	385 (15.2)	565 (22.3)	565 (22.3)	-	-	240 (517)	190 (419)	-	-
500 (20)	229 (9.0)	420 (16.5)	420 (16.5)	615 (24.2)	615 (24.2)	-	-	350 (772)	295 (650)	-	-
600 (24)	267 (10.5)	500 (19.7)	508 (20.0)	715 (28.1)	715 (28.1)	-	-	580 (1278)	550 (1212)	-	-
700 (28)	292 (11.5)	565 (22.3)	540 (21.3)	815 (32.1)	815 (32.1)	-	-	820 (1808)	780 (1720)	-	-
800 (32)	318 (12.5)	630 (24.8)	650 (25.6)	930 (36.6)	930 (36.6)	-	-	890 (1962)	840 (1862)	-	-
900 (36)	330 (13.0)	695 (27.4)	735 (28.9)	930 (36.6)	930 (36.6)	-	-	1310 (2888)	900 (1984)	-	-
1000 (40)	470 (18.5)	740 (29.3)	756 (30.1)	930 (36.6)	930 (36.6)	-	-	1680 (3704)	1200 (2646)	-	-
1200 (48)	470 (18.5)	855 (33.7)	880 (34.6)	-	-	930 (36.6)	645 (25.4)	-	-	1020 (2246)	1020 (2246)
1400 (56)	530 (20.9)	990 (39.0)	1015 (40.0)	-	-	735 (28.9)	930 (36.6)	-	-	2000 (4409)	2000 (4409)
1600 (63)	605 (23.8)	1070 (42.1)	1100 (43.3)	-	-	735 (28.9)	-	-	-	3000 (6614)	3000 (6614)

Materials	
Body	Cast Iron ASTM A126 Class B/EN 1561 No EN-JL 1040 / Ductile Iron ASTM A536 Gr. 60-40-18 / EN 1536 No.-JS 1024 / Carbon Steel ASTM A216 Gr. WCB / Stainless Steel ASTM A351 Gr. CF8 / CF8M
Disc	Cast Iron ASTM A126 Class B/EN 1561 No EN-JL 1040 / Ductile Iron ASTM A536 Gr. 60-40-18 / EN 1536 No.-JS 1024 / Carbon Steel ASTM A216 Gr. WCB / Stainless Steel ASTM A351 Gr. CF8 / CF8M
Disc Seal	Nitrile / Neoprene / EPDM / Viton / Silicon
Body Seat	Stainless Steel ASTM A351 Gr. CF8 / CF8M
Stem	Stainless Steel ASTM A276 Type 410 / 304 / 316
Stem Bearing	Carbon Steel backed PTFE / Lead Bronze EN 1982 Gr. CC495K
Gear Unit	Housing In Cast Iron, Gear In S.G. Iron & Worm In EN8 / EN19
Surface Protection for Ductile Iron and Cast Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Black Stoving Enamel.



JAIN STEEL TUBE CO.

Butterfly Valve Model 81



SIZE 80 (3") TO 300 (12")
WAFFER STYLE



SIZE 350 (14") TO 1000 (40")
WAFFER STYLE

FULLY COMPLIANT TO DESIGN STD : EN 563 TESTING STD : EN 12296-1

		Test Pressure in bar (psi)		
Pressure rating		PN6	PN6	PN6
Body	Shell	24 (348)	15 (218)	9 (131)
	Seat	17.8 (255)	11 (160)	6.0 (86)
Act	Seat	6.9 (100)	6.0 (86)	

APPLICATION	
(a) WATER	(b) AIR
(c) GASES	(d) WEAR ACID & ALKALI

Dimensions are in mm (inch)

SIZE	A	B	C	D	E	F	Wt (kg)
mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	
80 (3)	64 (2.5)	135 (5.3)	95 (3.7)	48 (1.9)	30 (1.2)	300 (11.8)	10 (22)
100 (4)	64 (2.5)	153 (6.0)	106 (4.1)	78 (3.1)	30 (1.2)	300 (11.8)	12 (26)
125 (5)	70 (2.8)	172 (6.8)	125 (4.9)	103 (4.1)	30 (1.2)	300 (11.8)	14 (31)
150 (6)	76 (3.0)	185 (7.3)	135 (5.3)	128 (5.0)	30 (1.2)	300 (11.8)	15 (33)
200 (8)	89 (3.5)	221 (8.7)	175 (6.9)	160 (6.3)	74 (2.9)	450 (17.7)	29 (64)
250 (10)	114 (4.5)	250 (9.8)	210 (8.3)	210 (8.3)	74 (2.9)	600 (23.6)	36 (79)
300 (12)	114 (4.5)	277 (10.9)	240 (9.4)	260 (10.2)	74 (2.9)	600 (23.6)	52 (115)
350 (14)	78 (3.1)	127 (5.0)	320 (12.6)	315 (12.4)	236 (9.3)	240 (9.4)	125 (276)
400 (16)	102 (4.0)	140 (5.5)	360 (14.2)	360 (14.2)	270 (10.6)	270 (10.6)	155 (342)
450 (18)	114 (4.5)	152 (6.0)	390 (15.4)	360 (14.2)	280 (11.0)	320 (12.6)	205 (455)
500 (20)	127 (5.0)	152 (6.0)	420 (16.5)	420 (16.5)	360 (14.2)	360 (14.2)	275 (605)
600 (24)	154 (6.1)	178 (7.0)	500 (19.7)	500 (19.7)	400 (15.9)	385 (15.2)	365 (805)
700 (28)	185 (7.3)	229 (9.0)	565 (22.3)	540 (21.3)	515 (20.3)	450 (17.7)	550 (1213)
800 (32)	190 (7.5)	241 (9.5)	630 (24.8)	630 (25.6)	530 (20.9)	470 (18.5)	600 (1324)
900 (36)	203 (8.0)	241 (9.5)	685 (27.0)	735 (28.9)	735 (28.9)	1270 (50.0)	950 (2094)
1000 (40)	216 (8.5)	300 (11.8)	745 (29.3)	765 (30.1)	735 (28.9)	1350 (53.1)	1100 (2425)

Materials

Body	Cast Iron ASTM A126 Class B/EN 1561/No EN-JL 1040 / Ductile Iron ASTM A536 Gr. 60-40-18 / EN 1536 No.-JS 1024
Disc	Carbon Steel ASTM A216 Gr. WCB / Stainless Steel ASTM A351 Gr. CF8 / CF8M / CF8M
Body Seat	Stainless Steel ASTM A351 Gr. CF8 / CF8M / CF8M
Disc Seal	Nitrile / Neoprene / EPDM / Viton / Silicon / PTFE*
Stem	Stainless Steel ASTM A276 Type 316 / 304 / 316L / A-30
Stem Bearing	Carbon Steel backed PTFE / Lead Bronze EN 1982 Gr. CC495K
Handle Unit	Carbon Steel / Malleable Iron
Gear Unit	Housing in Cast Iron, Gear in S.G. Iron & Worm in EN8
Surface Protection for Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Black Enamel



JAIN STEEL TUBE CO.

Forged Steel Gate, Globe & Check Valve

Class - 800 - 1500 - 2500



Features :

Heavy duty, compact OS & Y type, bolted bonnet / cover, rising stem, with renewable seating Valves; Piston Lift Check Valves with spring loaded disc; resulting with most advanced design Features provide the ultimate in dependable, economical flow control

SE = SCREWED ENDS TO NPT(F) OR BSP(F) OR BSPT(F)
SWE = SOCKET WELD ENDS TO ASME B16.11
BWE = BUTT WELD ENDS TO ASME B16.25

DESIGN STD : API 602, BS 5352 FOR GATE VALVES
BS 5352 FOR GLOBE & CHECK VALVES
TESTING STD : API 598, EN 12266-1

Test Pressure in bar (psi)			
Class	800	1500	2500
Hyd. Shell	207 (3000)	304 (5500)	304 (5500)
Seat / Back Seat	152 (2205)	282 (4095)	282 (4095)
Air Seal	9.9 (125)		

Dimensions are in mm (inch) SB = Standard bore RB = Reduced bore

SIZE		Class - 800															
mm (inch)	A	GATE		GLOBE		CHECK		GATE		GLOBE		CHECK		GATE		GLOBE	
		SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB
8	88	88	8.4	8.4	162	170	170	54	54	110	110	2.40	2.40	2.40	2.40	2.40	2.40
(1/4)	(3.5)	(3.5)	(0.25)	(0.25)	(6.4)	(6.7)	(6.7)	(2.1)	(2.1)	(4.3)	(4.3)	(5.3)	(5.3)	(5.3)	(5.3)	(4.5)	(3.7)
10	88	88	8.0	8.4	162	170	170	54	54	110	110	2.40	2.40	2.40	2.40	2.40	2.40
(3/8)	(3.5)	(3.5)	(0.21)	(0.25)	(6.4)	(6.7)	(6.7)	(2.1)	(2.1)	(4.3)	(4.3)	(5.3)	(5.3)	(5.3)	(5.3)	(4.5)	(3.6)
15	92	88	11.0	9.5	162	185	170	54	54	110	110	2.30	2.40	2.40	2.40	2.40	2.40
(1/2)	(3.6)	(3.5)	(0.43)	(0.37)	(6.4)	(7.3)	(6.7)	(2.1)	(2.1)	(4.3)	(4.3)	(5.1)	(5.3)	(5.3)	(5.3)	(4.5)	(3.6)
20	106	92	16.0	12.7	176	194	185	72	66	110	110	2.65	2.65	2.60	2.67	2.67	2.67
(3/4)	(4.2)	(3.6)	(0.63)	(0.50)	(6.9)	(7.6)	(7.3)	(2.8)	(2.6)	(4.3)	(4.3)	(5.8)	(5.8)	(5.2)	(5.8)	(4.5)	(4.5)
25	140	106	22.5	18.0	195	263	194	102	72	170	110	3.45	3.65	3.65	6.20	2.67	2.67
(1)	(5.5)	(4.2)	(0.89)	(0.71)	(7.7)	(11.1)	(7.6)	(4.0)	(2.8)	(8.7)	(4.3)	(7.8)	(7.8)	(7.8)	(13.7)	(5.8)	(5.8)
32	140	140	28.5	25.0	271	283	285	108	100	170	170	7.80	10.00	8.30	8.00	8.00	8.00
(1 1/4)	(5.5)	(5.5)	(1.16)	(0.91)	(10.7)	(11.1)	(11.1)	(4.3)	(4.0)	(6.7)	(6.7)	(17.2)	(22.0)	(18.3)	(17.6)	(13.7)	(13.7)
40	170	140	35.0	30.0	271	292	293	108	100	170	170	8.00	10.60	8.35	8.90	8.90	8.90
(1 1/2)	(6.7)	(5.5)	(1.38)	(1.18)	(10.7)	(11.5)	(11.1)	(4.3)	(4.0)	(6.7)	(6.7)	(17.6)	(23.4)	(18.4)	(19.6)	(13.7)	(13.7)
50	-	170	-	36.0	278	-	292	-	108	-	170	10.00	-	10.60	-	8.90	-
(2)	-	(6.7)	-	(1.42)	(10.9)	-	(11.5)	-	(4.3)	-	(6.7)	(22.0)	-	(23.4)	-	(19.6)	-

SIZE		Class - 1500															
mm (inch)	A	GATE		GLOBE		CHECK		GATE		GLOBE		CHECK		GATE		GLOBE	
		SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB	SB	RB
15	88	9	173	178	54	110	2.3	2.4	1.6	106	11	216	217	72	200	400	4.2
(1/2)	(3.5)	(0.3)	(6.8)	(7.0)	(2.1)	(4.3)	(5.0)	(5.3)	(2.5)	(4.2)	(0.4)	(8.5)	(8.5)	(2.8)	(7.9)	(8.8)	(9.2)
20	92	12	190	190	66	110	3.3	3.4	2.4	128	14	225	242	102	200	9.8	10.3
(3/4)	(3.6)	(0.5)	(7.1)	(7.5)	(2.7)	(4.3)	(7.3)	(7.5)	(5.3)	(5.0)	(0.6)	(8.9)	(9.5)	(4.0)	(7.9)	(21.6)	(22.7)
25	106	15	218	222	72	170	4.0	4.2	2.9	140	19	269	281	112	200	13.6	14.2
(1)	(4.2)	(0.6)	(8.5)	(8.7)	(2.8)	(6.7)	(8.8)	(9.3)	(6.4)	(5.5)	(0.7)	(10.6)	(11.1)	(4.4)	(7.9)	(30.0)	(31.3)
40	128	27	243	250	102	170	12.0	13.5	9.0	-	-	-	-	-	-	-	-
(1 1/2)	(5.0)	(1.1)	(9.6)	(9.8)	(4.0)	(6.7)	(28.5)	(29.8)	(15.8)	-	-	-	-	-	-	-	-
50	140	34	292	296	112	200	13.6	14.2	9.6	-	-	-	-	-	-	-	-
(2)	(5.5)	(1.3)	(11.5)	(11.6)	(4.4)	(7.9)	(30.0)	(31.3)	(21.2)	-	-	-	-	-	-	-	-

Materials

Body, Bonnet, Gland flange & Cover
Wedge / Plug
Disc / Seat Ring / Stem & Gland
Yoke Sleeve
Packing
Gasket
Spring
Stud / Nut
Hand Wheel
Surface Protection for Carbon Steel Valves

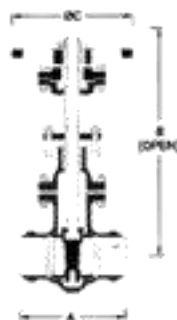
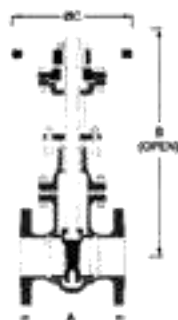
ASTM A105 / ASTM A182 Gr. F11, F22, F5, F9, F304 & F316
ASTM A217 Gr. CA15 / ASTM A351 Gr. CF8 / CF8M
ASTM A276 TYPE 410 / 304 / 316
S.G. Iron EN 1563 No. EN-JS 1050 / Ni - Resist ASTM A439 Gr. D2
Pre moulded Gasket rings / Braided + Moulded Gasket rings
Spiral Wound 304 / 316 with CAF / Graphite / PTFE filled
ASTM A312 TYPE 316
ASTM A193 Gr. B7 / B16 / B8 / B8M / A194 Gr. 2H / 7 / 8 / 8M
Malleable Iron
Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Silver Streak aluminium paint



JAIN STEEL TUBE CO.

Gate Valves

Class – 150 – 300 – 600



Features :

Heavy duty OS & Y type, bolted bonnet, rising stem, non rising hand wheel, renewable seating for carbon Steel Valves with most advanced design Features provide the ultimate in dependable, economic flow control.

DESIGN STD : API 6D, API 600 TESTING STD : API 6D, API 600

Test Pressure in bar (psi)			
Class	150	300	600
Std. Shell	30 (435)	77 (1117)	150 (2148)
Seat / Back Seat	22 (318)	57 (827)	113 (1638)
Air Seat	6 (85)		

Dimensions are in mm (inch)												
SIZE	Class - 150				Class - 300				Class - 600			
mm (inch)	A	B	BC	Wt 1	A	B	BC	Wt 1	A	B	BC	Wt 1
15	108	210	100	4.0	140	210	100	4.6	-	-	-	-
(1/2)	(4.3)	(8.3)	(3.9)	(9)	(5.5)	(8.3)	(4.0)	(12)	-	-	-	-
20	117	215	100	4.5	152	215	100	5	-	-	-	-
(3/4)	(4.6)	(8.5)	(3.9)	(10)	(6.0)	(8.5)	(4.0)	(13)	-	-	-	-
25	127	250	150	6.2	165	250	150	7.5	-	-	-	-
(1)	(5.0)	(9.8)	(5.9)	(14)	(6.5)	(9.8)	(5.9)	(17)	-	-	-	-
40	165	300	200	11.2	190	300	200	14.3	-	-	-	-
(1.5/2)	(6.5)	(11.8)	(7.9)	(25)	(7.5)	(11.8)	(7.9)	(37)	-	-	-	-
50	178	345	200	16.5	216	345	200	19	292	405	250	30
(2)	(7.0)	(13.6)	(7.9)	(36)	(8.5)	(13.6)	(7.9)	(47)	(11.5)	(15.9)	(9.8)	(66)
65	190	410	200	25	241	425	250	28	330	420	250	38
(2.5/2)	(7.5)	(16.1)	(7.9)	(55)	(9.5)	(16.7)	(9.8)	(62)	(13.0)	(16.5)	(9.8)	(86)
80	203	435	250	27	282	460	250	43	356	460	300	51
(3)	(8.0)	(17.1)	(9.8)	(69)	(11.1)	(18.1)	(9.8)	(29)	(14.0)	(18.1)	(11.8)	(112)
100	229	550	250	43	305	550	300	75	432	595	450	96
(4)	(9.0)	(21.7)	(9.8)	(85)	(12.0)	(21.7)	(11.8)	(165)	(17.0)	(23.4)	(17.7)	(212)
125	254	630	300	55	381	685	450	98	508	690	450	135
(5)	(10.0)	(25.0)	(11.8)	(121)	(15.0)	(27.0)	(17.7)	(218)	(20.0)	(27.2)	(17.7)	(298)
150	287	750	300	78	403	790	450	133	559	825	600	213
(6)	(10.5)	(29.5)	(11.8)	(172)	(15.0)	(31.1)	(17.7)	(263)	(22.0)	(32.5)	(23.6)	(470)
200	292	960	450	125	419	990	450	215	660	1065	600	355
(8)	(11.5)	(37.8)	(17.7)	(276)	(16.5)	(39.0)	(17.7)	(474)	(26.0)	(41.8)	(23.6)	(783)
250	330	1155	450	190	457	1230	600	368	787	1110	750	598
(10)	(13.0)	(45.5)	(17.7)	(419)	(18.0)	(48.4)	(23.6)	(811)	(31.0)	(43.7)	(29.5)	(1318)
300	358	1390	600	288	502	1475	600	475	838	1770	*	825
(12)	(14.0)	(54.7)	(23.6)	(635)	(19.8)	(58.1)	(23.6)	(1047)	(33.0)	(69.7)	*	(1819)
350	381	1575	600	315	762	1310	750	580	-	-	-	-
(14)	(15.0)	(62.0)	(23.6)	(695)	(30.0)	(51.6)	(29.5)	(1279)	-	-	-	-
400	408	1710	750	420	838	1870	*	985	-	-	-	-
(16)	(16.0)	(67.3)	(29.5)	(826)	(33.0)	(73.6)	*	(2172)	-	-	-	-
450	432	1950	750	650	914	2035	*	1185	-	-	-	-
(18)	(17.0)	(78.8)	(29.5)	(1433)	(36.0)	(80.1)	*	(2613)	-	-	-	-
500	457	2225	*	725	991	2220	*	1545	-	-	-	-
(20)	(18.0)	(87.8)	*	(1598)	(39.0)	(87.4)	*	(3406)	-	-	-	-
600	508	2560	*	1305	1143	2550	*	1805	-	-	-	-
(24)	(20.0)	(100.8)	*	(2877)	(45.0)	(100.8)	*	(2973)	-	-	-	-
650	508	2800	*	1550	-	-	-	-	-	-	-	-
(26)	(20.0)	(110.2)	*	(3417)	-	-	-	-	-	-	-	-
700	610	3050	*	1880	-	-	-	-	-	-	-	-
(28)	(24.0)	(120.1)	*	(4145)	-	-	-	-	-	-	-	-
750	610	3130	*	2000	-	-	-	-	-	-	-	-
(30)	(24.0)	(123.2)	*	(5071)	-	-	-	-	-	-	-	-
800	660	3280	*	2550	-	-	-	-	-	-	-	-
(32)	(26.0)	(129.1)	*	(5627)	-	-	-	-	-	-	-	-
900	711	3720	*	3390	-	-	-	-	-	-	-	-
(36)	(28.0)	(146.5)	*	(7474)	-	-	-	-	-	-	-	-

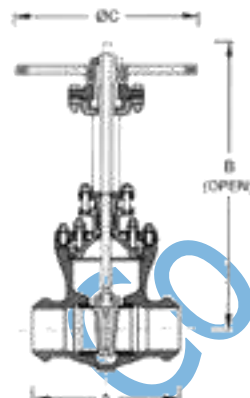
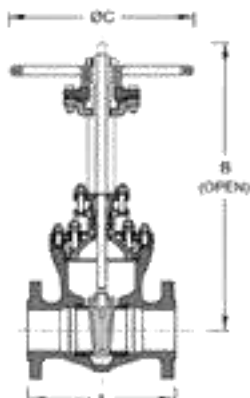
Materials: Refer Globe Valves materials chart



JAIN STEEL TUBE CO.

Pressure Seal Gate Valves

Class – 900 – 1500 – 2500



Features :

Heavy duty OS & Y type, Pressure Seal Bonnet, rising stem, non rising handwheel, renewable seating. Wall thickness as per ASME B16.34. Valves with most advanced design Features Provide the ultimate in dependable, economical flow control.

DESIGN STD : ASME B16.34 & API 6D
TESTING STD : API 598 / API 6D, ASME B16.34

Test Pressure in bar (psi)			
Class	900	1500	2500
Hyd. Seal	330 (3335)	384 (3944)	447 (4502)
Seat / Back Seat	168 (2451)	282 (4080)	474 (6873)
Air Seal	6.9 (100)		

Dimensions are in mm (inch)															
SIZE	Class - 900				Class - 1500				Class - 2500						
mm (inch)	A	B	BC	WT 1)	A	B	BC	WT 1)	A	B	BC	WT 1)			
	FE	BWE			FE	BWE			FE	BWE					
50	368	216	520	300	58	40	368	216	520	300	58	40	279	450	52
(2)	(14.5)	(8.5)	(20.5)	(11.8)	(128)	(88)	(14.5)	(8.5)	(20.5)	(11.8)	(128)	(88)	(11.0)	(17.7)	(115)
65	418	254	595	450	86	55	418	254	595	450	86	55	330	520	79
(2.1/2)	(16.5)	(10.0)	(23.4)	(17.7)	(190)	(121)	(16.5)	(10.0)	(23.4)	(17.7)	(190)	(121)	(13.0)	(20.5)	(174)
80	381	305	665	490	96	65	470	305	650	600	115	78	368	578	105
(3)	(15.0)	(12.0)	(26.2)	(17.7)	(209)	(143)	(18.5)	(12.0)	(25.6)	(23.6)	(254)	(168)	(14.5)	(22.6)	(232)
100	457	356	760	600	130	82	548	406	760	*	171	106	457	685	148
(4)	(18.0)	(14.0)	(29.9)	(23.6)	(287)	(192)	(21.5)	(16.0)	(29.9)	*	377	(234)	(18.0)	27.0	(326)
125	558	432	885	600	250	140	673	483	910	*	285	190	533	828	450
(5)	(22.0)	(17.0)	(34.8)	(23.6)	(441)	(309)	(26.5)	(19.0)	(35.8)	*	(628)	(419)	(21.0)	(32.3)	(992)
150	610	508	1070	*	330	250	705	558	1070	*	440	282	610	990	510
(6)	(24.0)	(20.0)	(42.1)	*	(728)	(551)	(27.8)	(22.0)	(42.1)	*	(870)	(578)	(24.0)	(39.9)	(1124)
200	737	640	1415	*	595	415	832	711	1475	*	875	558	762	1350	1050
(8)	(29.0)	(25.0)	(55.7)	*	(1312)	(915)	(32.8)	(28.0)	(58.1)	*	(1909)	1230	(30.0)	(53.1)	(2315)
250	838	762	1595	*	795	610	991	863	1525	*	1325	889	914	1708	1265
(10)	(33.0)	(30.0)	(63.0)	*	(1753)	(1345)	(39.0)	(34.0)	(60.0)	*	(2921)	(1980)	(36.0)	(67.2)	(2789)
300	965	914	1610	*	1110	860	1130	990	1610	*	2525	1580	991	2145	1505
(12)	(38.0)	(36.0)	(63.4)	*	(2447)	(1896)	(44.5)	(39.0)	(63.4)	*	(5567)	(3483)	(39.0)	(84.4)	(3318)

FE = Flanged End BWE = Built Weld End

Materials

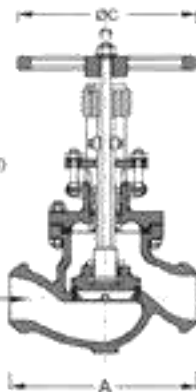
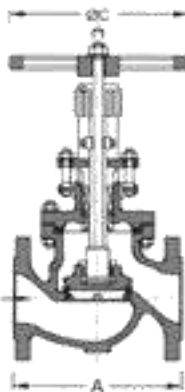
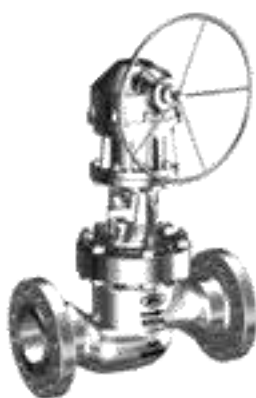
Body & Bonnet	ASTM A216 Gr. WCB, A217 Gr. WCB / WC9 / C5 / C12, A351 Gr. CF8M / CF8M / CF3 / CF3M
Wedge & Seat Ring	ASTM A216 Gr. WCB, A217 Gr. WCB, A351 Gr. CF8 / CF8M / CF3 / CF3M, Seat faces are stainless
Stem & Gland	ASTM A276 TYPE 410 / 304 / 316
Yoke Stem	Ni-Resist ASTM A439 Gr. C2
Gland Packing	Pre moulded Gratefill rings / Braided + Moulded Gratefill rings
Pressure Seal Ring	Expanded Graphite
Stud / Nut	ASTM A193 Gr. B7 / B16 / B8 / B8M / A194 Gr. 2H / 7 / 8 / 8M
Yoke & Hand Wheel	Carbon Steel, Alloy Steel
Surface Protection for Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Silver Streak aluminium paint



JAIN STEEL TUBE CO.

Globe Valves

Class – 150 – 300 – 600



Features :

Heavy duty, OS & Y type, bolted bonnet, rising or non rising hand wheel, renewable Seating for Carbon Steel & integral seating for stainless steel Valves with most advanced design Features provide the ultimate in dependable, economic flow control

DESIGN STD : BS 1873 TESTING STD : EN 12266-1

Test Pressure in bar (psi)			
Class	150	300	600
Hyd. Shell	30 (435)	77 (1117)	155 (2248)
Seat / Back Seat	22 (318)	57 (827)	113 (1639)
Air Seat	10 (145)	-	-

Dimensions are in mm (inch)												
SIZE	Class - 150				Class - 300				Class - 600			
mm (inch)	A	B	OC	Wt (1)	A	B	OC	Wt (1)	A	B	OC	Wt (1)
15	108	205	100	4.1	152	205	100	4.1	-	-	-	-
(1/2)	(4.3)	(8.1)	(3.9)	(9)	(6.0)	(8.1)	(3.9)	(10)	-	-	-	-
20	117	210	100	4.6	178	210	100	4.6	-	-	-	-
(3/4)	(4.6)	(8.3)	(3.9)	(10)	(7.0)	(8.3)	(3.9)	(10)	-	-	-	-
25	127	230	150	6.1	203	230	150	7.2	-	-	-	-
(1)	(5.0)	(9.1)	(5.9)	(13)	(8.0)	(9.1)	(5.9)	(16)	-	-	-	-
40	165	260	200	9.2	229	260	200	13	-	-	-	-
(1.1/2)	(6.5)	(10.2)	(7.9)	(20)	(9.0)	(10.2)	(7.9)	(29)	-	-	-	-
50	203	295	200	14.3	267	295	200	17.2	262	330	250	40
(2)	(8.0)	(11.6)	(7.9)	(32.0)	(10.5)	(11.6)	(7.9)	(38)	(11.5)	(13.0)	(9.8)	(88)
65	216	290	200	30	290	261	250	35	300	347	300	55
(2.1/2)	(8.5)	(11.4)	(7.9)	(66)	(11.4)	(10.4)	(9.8)	(77)	(12.0)	(13.7)	(11.8)	(121)
80	241	345	250	34	318	300	300	46	396	406	450	70
(3)	(9.5)	(13.6)	(9.8)	(79)	(12.5)	(14.2)	(11.8)	(101)	(14.0)	(16.1)	(17.7)	(154)
100	292	349	300	52	356	413	450	73	432	480	600	121
(4)	(11.5)	(13.7)	(11.8)	(135)	(14.0)	(16.3)	(17.7)	(161)	(17.0)	(18.9)	(23.6)	(267)
125	356	410	300	77	400	471	450	110	508	595	*	270
(5)	(14.0)	(16.1)	(11.8)	(192)	(15.7)	(18.5)	(17.7)	(243)	(20.0)	(23.4)	*	(585)
150	406	450	450	92	444	567	600	166	599	1030	*	350
(6)	(16.0)	(17.7)	(17.7)	(233)	(17.5)	(22.3)	(23.6)	(366)	(22.0)	(40.6)	*	(772)
200	495	535	*	163	599	800	*	205	660	1150	*	625
(8)	(19.5)	(21.1)	*	(359)	(22.0)	(31.5)	*	(452)	(26.0)	(45.3)	*	(1378)
250	622	615	*	247	622	1235	*	450	787	1255	*	850
(10)	(24.5)	(24.2)	*	(534)	(24.5)	(48.6)	*	(982)	(31.0)	(49.4)	*	(1874)
300	699	900	*	390	711	1435	*	735	836	1330	*	1030
(12)	(27.5)	(35.4)	*	(663)	(28.0)	(56.5)	*	(1620)	(33.0)	(52.4)	*	(2271)
350	787	1080	*	485	-	-	-	-	-	-	-	-
(14)	(31.0)	(42.5)	*	(1068)	-	-	-	-	-	-	-	-

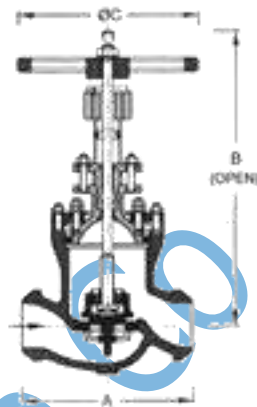
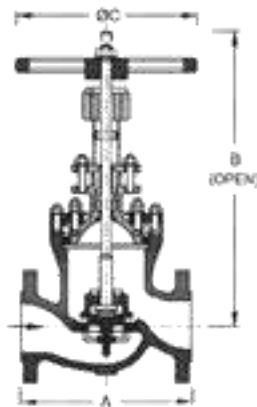
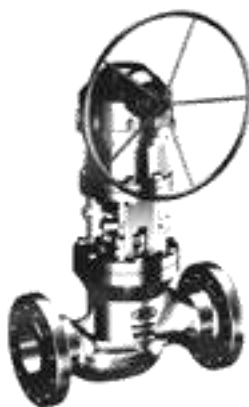
Materials	
Body & Bonnet	ASTM A216 Gr. WCB, A217 Gr. WC6 / WCB / CS / C12, A352 Gr. LCB, A351 Gr. CF8 / CF8M / CF3 / CF3M
Wedge / Disc & Seat Ring	ASTM A217 Gr. C615 or WCB + 1% Cr Facing WCB + Stainless, A351 Gr. CF8 / CF8M / CF3 / CF3M
Stem, Gland & Bonnet Bush	ASTM A276 TYPE 316 / 304 / 316
Yoke Stems	W-Polish ASTM A439 Gr. 32
Gland Packing	Pre-impregnated Graphite rings / Braided Graphite rings / PTFE
Gasket	Spiral Wound 304 / 316 with CAF / Graphite / PTFE filled
Stud / Nut	ASTM A193 Gr. B7 / B16 / B6 / B8M / A194 Gr. 2H / 7 / 8 / BM
Hand Wheel	Carbon Steel
Surface Protection for Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects, Additional external coating : Silver Streak Aluminium paint



JAIN STEEL TUBE CO.

Pressure Seal Globe Valves

Class – 900 – 1500 – 2500



Features :

Heavy duty OS & Y type, Pressure Seal Bonnet, rising or non rising handwheel, renewable seating. Wall thickness as per ASME B16.34. Valves with most advanced design Features Provide the ultimate in dependable, economical flow control.

DESIGN STD : ASME B16.34
TESTING STD : API 598 ASME B16.34

Test Pressure in bar (psi)			
Class	900	1500	2500
Hyd. Shell	230 (335)	384 (554)	647 (932)
Seat / Back Seat	160 (245)	282 (408)	474 (687)
Air Seat	6.9 (100)		

Dimensions are in mm (inch)																
SIZE	Class - 900						Class - 1500						Class - 2500			
mm (inch)	A	BWE	B	BC	FE (Wt 1)	BWE	A	BWE	B	BC	FE (Wt 1)	BWE	A	B	BC	Wt 1)
50	368	216	570	600	85	51	368	216	570	600	85	51	279	610	750	55
(2)	(14.5)	(8.5)	(22.4)	(23.6)	(167)	(110)	(14.5)	(8.5)	(22.4)	(23.6)	(167)	(112)	(11.0)	(24.0)	(29.5)	(121)
65	419	254	580	600	100	53	419	254	580	600	100	53	330	590	750	75
(2 1/2)	(16.5)	(10.0)	(22.8)	(23.6)	(127)	(117)	(16.5)	(10.0)	(22.8)	(23.6)	(127)	(117)	(13.0)	(19.7)	(29.5)	(165)
80	381	305	515	600	105	55	470	305	515	*	150	90	368	630	*	105
(3)	(15.0)	(12.0)	(20.3)	(23.6)	(231)	(121)	(18.5)	(12.0)	(20.3)	*	(331)	(198)	(14.5)	(24.8)	*	(231)
100	457	356	715	*	120	125	546	436	715	*	205	148	457	1210	*	440
(4)	(18.0)	(14.0)	(28.1)	*	(375)	(276)	(21.5)	(16.0)	(26.1)	*	(452)	(322)	(18.0)	(47.6)	*	(970)
125	559	432	1010	*	255	202	673	483	1025	*	305	227	533	790	*	490
(5)	(22.0)	(17.0)	(39.8)	*	(562)	(445)	(26.5)	(19.0)	(40.4)	*	(672)	(500)	(21.0)	(31.1)	*	(1080)
150	610	508	1025	*	310	331	705	559	1115	*	380	355	610	1390	*	540
(6)	(24.0)	(20.0)	(40.4)	*	(683)	(730)	(27.8)	(22.0)	(43.9)	*	(838)	(783)	(24.0)	(54.7)	*	(1190)
200	737	660	1230	*	680	628	832	711	1200	*	780	810	762	1455	*	1200
(8)	(29.0)	(26.0)	(49.4)	*	(1498)	(1385)	(32.8)	(28.0)	(47.2)	*	(1720)	(1700)	(30.0)	(57.3)	*	(2645)
250	838	787	1370	*	1300	1138	991	863	1320	*	1500	1360	-	-	-	-
(10)	(33.0)	(31.0)	(53.9)	*	(2868)	(2509)	(39.0)	(34.0)	(52.0)	*	(3307)	(2998)	-	-	-	-
300	965	914	1520	*	1900	1725	1130	990	1430	*	2300	1940	-	-	-	-
(12)	(38.0)	(36.0)	(59.8)	*	(4189)	(3792)	(44.5)	(39.0)	(56.3)	*	(5070)	(4277)	-	-	-	-

FE = Flange End BWE = Built Weld End

Materials

Body & Bonnet	ASTM A216 Gr. WCB, A217 Gr. WC6 / WC9 / CS / C12, A351 Gr. CF8 / CF8M / CF3 / CF3M
Disc & Seat Ring	ASTM A216 Gr. WCB, A217 Gr. WC6, A351 Gr. CF8 / CF8M / CF3 / CF3M. Seat faces are stellite
Stem & Gland	ASTM A276 TYPE 410 / 304 / 316
Yoke Sleeve	Ni-Resist ASTM A439 Gr. D2
Gland Packing	Pre moulded Graphite rings / Braided + Moulded Graphite rings
Pressure Seal Ring	Expanded Graphite
Stud / Nut	ASTM A193 Gr. B7 / B16 / B8 / B8M / A194 Gr. 2H / 7 / B / 8M
Yoke & Hand Wheel	Carbon Steel, Alloy Steel
Surface Protection for Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Silver Streak aluminium paint

Bolted Cover & Pressure Seal Swing Check Valves

Class – 150 – 300 – 600 – 900 – 1500 – 2500



Features :

Heavy duty bolted cover / Pressure Seal cover with renewable seating for Carbon Steel & integral seating for stainless steel. Cover mounted / body mounted disc. Valves with most advanced design Features Provide the ultimate in dependable, economical flow control.

DESIGN STD : API 6D 1988 FOR CLASS 150, 300 & 600
: API 6D, ASME B16.34 FOR CLASS 900, 1500 & 2500
TESTING STD : API 6D, EN 12266-1 FOR CLASS 150, 300 & 600
: API 6D, API 598 FOR CLASS 900, 1500 & 2500

Test Pressure in bar (psi)						
Class	150	300	600	900	1500	2500
Body Shell	30 (435)	77 (1117)	155 (2245)	232 (3355)	384 (5554)	647 (9382)
Seat	22 (319)	57 (827)	113 (1639)	169 (2451)	282 (4089)	474 (6873)
Min. Seat	5.5 (80)	14 (203)	28 (406)	42 (609)	72.5 (1052)	118.5 (1718)

Dimensions are in mm (inch)

SIZE	BOLTED COVER						PRESSURE SEAL					
	Class - 150			Class - 300			Class - 600			Class - 900		
	A	B	Wt (1)	A	B	Wt (1)	A	B	Wt (1)	A	B	Wt (1)
40	165	95	68	241	95	10.5	-	-	-	-	-	-
(1 1/2)	(6.5)	(3.7)	(15)	(9.5)	(3.7)	(23)	-	-	-	-	-	-
50	200	115	11.5	267	120	18	292	138	25	216	180	27
(2)	(8.0)	(4.5)	(25)	(10.5)	(4.7)	(40)	(11.5)	(5.4)	(55)	(8.5)	(7.1)	(60)
65	216	120	17	292	132	21	330	145	32	234	195	29
(2 1/2)	(8.5)	(4.7)	(38)	(11.5)	(5.2)	(48)	(13.0)	(5.7)	(71)	(10.0)	(7.7)	(64)
80	241	135	25	318	150	34	356	165	62	305	235	31
(3)	(9.5)	(5.3)	(55)	(12.5)	(5.9)	(75)	(14.0)	(6.3)	(153)	(12.0)	(9.3)	(68)
100	292	150	41	356	170	54	432	190	115	356	265	41
(4)	(11.5)	(5.9)	(90)	(14.0)	(6.7)	(119)	(17.0)	(7.5)	(254)	(14.0)	(10.4)	(90)
125	330	170	56	400	210	75	508	230	165	432	310	69
(5)	(13.0)	(6.7)	(124)	(15.7)	(8.3)	(165)	(20.0)	(8.7)	(364)	(17.0)	(12.2)	(152)
150	356	195	73	444	210	106	559	255	210	508	325	96
(6)	(14.0)	(7.7)	(161)	(17.5)	(8.3)	(204)	(22.0)	(10.0)	(483)	(20.0)	(12.8)	(212)
200	495	220	103	533	255	160	660	300	355	660	440	215
(8)	(19.5)	(8.7)	(227)	(21.3)	(10.0)	(390)	(26.0)	(11.8)	(783)	(26.0)	(17.3)	(474)
250	622	260	160	622	305	234	787	335	580	787	535	330
(10)	(24.5)	(10.2)	(353)	(24.5)	(12.0)	(560)	(31.0)	(13.2)	(1278)	(31.0)	(21.5)	(728)
300	698	310	224	711	350	355	838	395	725	914	630	546
(12)	(27.5)	(12.2)	(494)	(28.0)	(13.8)	(783)	(33.0)	(15.6)	(1598)	(36.0)	(24.8)	(1204)
350	787	365	300	838	390	620	-	-	-	-	-	-
(14)	(31.0)	(14.4)	(772)	(33.0)	(15.4)	(1367)	-	-	-	-	-	-
400	864	405	412	864	535	680	-	-	-	-	-	-
(16)	(34.0)	(16.3)	(1041)	(34.0)	(20.9)	(1499)	-	-	-	-	-	-
450	978	565	535	978	590	1250	-	-	-	-	-	-
(18)	(38.5)	(22.2)	(1179)	(38.5)	(23.2)	(2756)	-	-	-	-	-	-
500	978	610	870	1016	655	1460	-	-	-	-	-	-
(20)	(38.5)	(24.0)	(1918)	(40.0)	(25.8)	(3219)	-	-	-	-	-	-
600	1295	740	1090	1346	790	2055	-	-	-	-	-	-
(24)	(51.0)	(29.1)	(2403)	(53.0)	(31.1)	(4631)	-	-	-	-	-	-

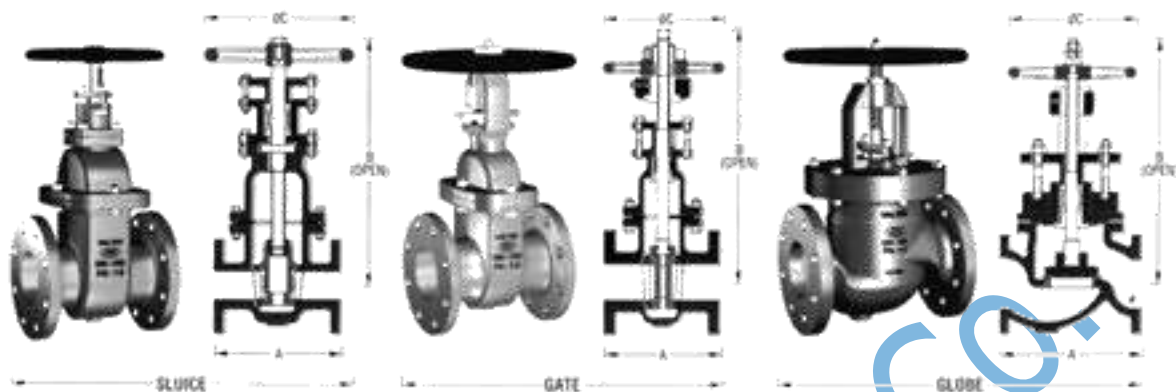
Materials

Body / Cover / Hinge / bracket	ASTM A216 Gr. WCB, A217 Gr. WCB / WC9 / C5 / C12, A352 Gr. LCB, A351 Gr. CF8 / CF8M / CF3 / CF3M
Disc / Seal Ring	ASTM A216 Gr. WCB, A351 Gr. CF8 / CF8M / CF3 / CF3M
Gasket	Spiral Wound 304 / 316 with CAF / Graphite / PTFE filled (Application for bolted cover Valves)
Pressure Seal Ring	Expanded Graphite (Applicable for Pressure Seal Check Valves)
Stud / Nut	ASTM A193 Gr. B7 / B16 / B8 / B8M / A194 Gr. 2H / 7 / 8 / 8M
Surface Protection for Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Silver Streak aluminium paint



JAIN STEEL TUBE CO.

Cast Iron Sluice, Gate & Globe Valves



DESIGN STD & TESTING STD : BS 5150 & BS 5152

Test Pressure in bar (psi)		
Pressure rating	PN 1.0	PN 1.6
Hyd. Shell	15 (218)	24 (348)
Seat	10 (145)	16 (232)
Air Seat	7 (101)	

Dimensions are in mm (inch)

Size mm (inch)	SLUICE & GATE		GLOBE	SLUICE	GATE	GLOBE	SLUICE	GATE	GLOBE
	BS 5150	IS 14846	BS 5152						
25 (1)	-	-	160 (6.3)	-	-	210 (8.3)	120 (4.7)	-	10 (22.3)
40 (1 1/2)	-	-	200 (7.9)	-	-	250 (9.8)	140 (5.5)	-	12 (29.5)
50 (2)	178 (7.1)	215 (8.5)	203 (8.0)	265 (10.4)	450 (17.3)	310 (12.2)	180 (7.1)	30 (66.1)	26 (57.3)
65 (2 1/2)	190 (7.5)	230 (9.1)	216 (8.5)	280 (11.0)	490 (19.3)	325 (12.8)	225 (8.9)	34 (75.0)	34 (75.0)
80 (3)	200 (8.0)	230 (9.1)	241 (9.5)	321 (12.6)	505 (20.7)	355 (14.4)	225 (8.9)	36 (79.4)	43 (94.8)
100 (4)	229 (9.0)	255 (10.0)	262 (11.5)	480 (18.9)	530 (20.9)	420 (16.5)	320 (12.6)	55 (121.3)	60 (132.3)
125 (5)	254 (10.0)	266 (10.5)	330 (13.0)	575 (22.6)	640 (25.2)	440 (17.3)	320 (12.6)	70 (154.3)	87 (191.8)
150 (6)	267 (10.5)	300 (11.8)	356 (14.0)	675 (26.6)	725 (28.5)	440 (17.3)	320 (12.6)	90 (198.4)	115 (252.5)
200 (8)	292 (11.5)	318 (12.5)	405 (15.9)	695 (27.4)	970 (38.2)	480 (18.9)	360 (14.2)	140 (308.6)	180 (396.8)
250 (10)	330 (13.0)	355 (14.1)	-	815 (32.1)	1190 (46.9)	-	400 (15.7)	300 (640.9)	276 (608.3)
300 (12)	356 (14.0)	380 (15.0)	-	860 (33.9)	1490 (58.7)	-	400 (15.7)	290 (639.3)	360 (793.7)

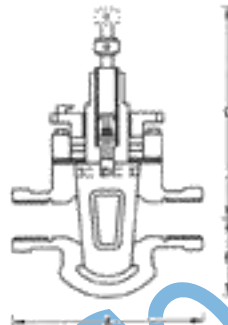
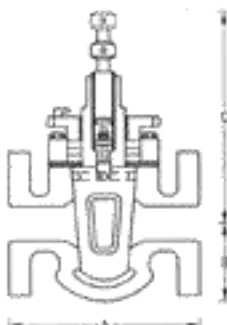
Materials

Body / Bonnet / Wedge / Yoke / Gland / Shutting box / Hand Wheel	Cast Iron ASTM A126 Class B / EN 1561 NO. EN-JL 1040
Yoke Sleeve	S.G. IRON EN 1563 No. EN-JS 1050
Stem	Steel ASTM A276 Type 316 / 304 / 316
Disc / Wedge / Seat Ring	ASTM A217 Gr. CA15 / Bronze
Packing	Graphited Asbestos
Body Seal / Gasket	CAF
Stud / Nut	Steel Gr. 4.6 / 4
Surface Protection	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and xicological respects. Additional external coating of machine varnish light blue



JAIN STEEL TUBE CO.

C.I. Lubricates Plug Valves



DESIGN STD : BS 5158 TESTING STD : EN 12266-1

Test Pressure in bar (psi)	
Pressure rating	Class 125
Hyd. Shell	17.5 (254)
Seat	12.5 (181)
Air Seat	7 (101)

Dimensions are in mm (inch)

SIZE	REGULAR		SHORT		REGULAR		SHORT		REGULAR		SHORT		REGULAR		SHORT	
mm (inch)	FLANGED	SCREWED	FLANGED	SCREWED	FLANGED	SCREWED	FLANGED	SCREWED	FLANGED	SCREWED	FLANGED	SCREWED	FLANGED	SCREWED	FLANGED	SCREWED
15 (1/2)	130 (5.1)	-	89 (3.5)	46 (1.8)	-	162 (6.4)	-	4 (8.8)	-	2 (4.4)	-	-	-	-	-	-
20 (3/4)	130 (5.1)	-	95 (3.7)	48 (1.9)	-	164 (6.5)	-	5 (11)	-	3 (6.6)	-	-	-	-	-	-
25 (1)	140 (5.5)	-	111 (4.4)	50 (2.0)	-	168 (6.6)	-	6 (13)	-	4 (8.8)	-	-	-	-	-	-
32 (1 1/4)	165 (6.5)	-	127 (5.0)	60 (2.4)	-	204 (8.0)	-	7 (15)	-	4.5 (10)	-	-	-	-	-	-
40 (1 1/2)	165 (6.5)	-	133 (5.2)	64 (2.5)	-	215 (8.5)	-	10 (22)	-	7.5 (17)	-	-	-	-	-	-
50 (2)	203 (8.0)	177.8 (7.0)	152 (6.0)	82 (3.2)	71 (2.8)	256 (10.1)	226 (8.9)	16 (35)	14 (31)	10.5 (23)	-	-	-	-	-	-
65 (2 1/2)	222 (8.7)	190 (7.5)	175 (6.9)	104 (4.1)	95 (3.7)	288 (11.3)	258 (10.2)	24 (53)	20 (44)	16 (35)	-	-	-	-	-	-
80 (3)	241 (9.5)	205.5 (8.1)	197 (7.8)	112 (4.4)	102 (4.0)	322 (12.7)	297 (11.7)	27 (60)	26 (57)	23 (51)	-	-	-	-	-	-
100 (4)	305 (12.0)	228.8 (9.0)	-	139 (5.4)	114 (4.5)	344 (13.5)	324 (12.8)	51 (112)	42 (93)	-	-	-	-	-	-	-
125 (5)	356 (14.0)	254 (10.0)	-	164 (6.5)	148 (5.8)	416 (16.4)	406 (16.0)	81 (179)	65 (143)	-	-	-	-	-	-	-
150 (6)	394 (15.5)	267 (10.5)	-	186 (7.3)	160 (7.1)	450 (17.7)	450 (17.7)	100 (220)	84 (185)	-	-	-	-	-	-	-
200 (8)	457 (18.0)	292 (11.5)	-	232 (9.1)	170 (6.7)	524 (20.6)	524 (20.6)	182 (401)	115 (254)	-	-	-	-	-	-	-

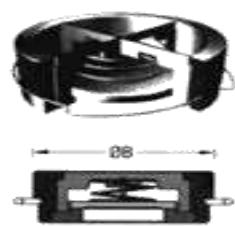
Materials

Body / Cover / Plug / Stuffing Box / Gland	Cast Iron ASTM A126 Class C / EN1561 No. EN-JL 1040 / IS 210 Gr. FG 260
Gasket	Asbestos
Stuffing Box Bolt	Steel Gr. 4.6
Packing	Graphited Asbestos
Stud / Nuts	Steel Gr. 4.6 / 5
Lubricant	Dark Brown grease suitable for industrial application
Lubricant Bolt	ASTM A307 Gr. B / Steel Gr. 4.6
Surface Protection	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. with additional external coating of machine varnish Black



JAIN STEEL TUBE CO.

Check Valves Non Slam & Wafer Type



NON SLAM

CE 0044

	NON SLAM	WAFER
DESIGN STD	IS 8001 STD	API 50/8001
TESTING STD	API 598	API 50/598



WAFER

Test Pressure in Bar (psi)				
	NONSLAM		WAFER	
Pressure rating	Class 150	Class 300	PN10	PN40
Hyd. Shell	30 (435)	77 (1117)	15 (217)	60 (870)
Seat	22 (319)	57 (827)	11 (159)	44 (638)

Dimensions are in mm (inch)

NON SLAM					WAFER			
SIZE	A	B	C	Wt 1)	A	B* Class 150	C	Wt 1)
mm (inch)								
15 (3/4)	17 (0.7)	38 (1.5)	14 (0.6)	0.17 (0.4)	-	-	-	-
20 (3/4)	20 (0.8)	47 (1.9)	19 (0.7)	0.23 (0.5)	-	-	-	-
25 (1)	23 (0.9)	54 (2.1)	24 (0.9)	0.30 (0.7)	-	-	-	-
32 (1 1/4)	28 (1.1)	67 (2.6)	32 (1.3)	0.60 (1.3)	-	-	-	-
40 (1 1/2)	32 (1.3)	76 (3.0)	38 (1.5)	0.70 (1.5)	-	-	-	-
50 (2)	40 (1.6)	96 (3.8)	48 (1.9)	1.3 (2.6)	19 (0.7)	104.5 (4.1)	30 (1.2)	1.5 (3.3)
65 (2 1/2)	46 (1.8)	109 (4.3)	63 (2.5)	1.8 (4.0)	19 (0.7)	124 (4.9)	38 (1.5)	2 (4.4)
80 (3)	50 (2.0)	131 (5.2)	76 (3.0)	2.6 (5.7)	19 (0.7)	136.5 (5.4)	52 (2.0)	2.5 (5.5)
100 (4)	60 (2.4)	162 (6.4)	98 (3.9)	4.6 (10)	19 (0.7)	164.5 (6.9)	72 (2.8)	3 (6.6)
125 (5)	90 (3.5)	194 (7.6)	125 (4.9)	11.5 (25)	22 (0.9)	197 (7.8)	90 (3.5)	4 (8.8)
150 (6)	106 (4.2)	224 (8.8)	150 (5.9)	16 (35)	22 (0.9)	222.5 (8.8)	115 (4.5)	6 (13)
200 (8)	140 (5.5)	291 (11.5)	200 (7.9)	31 (68)	29 (1.1)	279.5 (11.0)	158 (6.2)	14 (31)
250 (10)	200 (7.9)	329 (13.0)	250 (9.8)	30 (66)	38 (1.5)	340 (13.4)	196 (7.7)	19 (42)
300 (12)	250 (9.8)	384 (15.1)	300 (11.8)	50 (110)	38 (1.5)	409.5 (16.1)	242 (9.5)	27 (60)
350 (14)	-	-	-	-	45 (1.8)	448 (17.6)	270 (10.6)	41 (90)
400 (16)	-	-	-	-	51 (2.0)	511.5 (20.1)	310 (12.2)	56 (123)
450 (18)	-	-	-	-	60 (2.4)	546 (21.5)	360 (14.2)	78 (172)
500 (20)	-	-	-	-	64 (2.5)	603 (23.7)	405 (15.9)	101 (223)
600 (24)	-	-	-	-	76 (3.0)	714.5 (28.1)	460 (18.1)	180 (397)
700 (28)	-	-	-	-	89 (3.5)	828.5 (32.6)	510 (20.1)	240 (529)
800 (32)	-	-	-	-	102 (4.0)	937 (36.9)	610 (24.0)	310 (683)
900 (36)	-	-	-	-	127 (5.0)	1045 (41.1)	700 (27.6)	445 (981)
1000 (40)	-	-	-	-	146 (5.7)	1159 (45.6)	770 (30.3)	640 (1411)
1200 (48)	-	-	-	-	172 (6.8)	1381 (54.4)	965 (38.0)	1075 (2370)
1400 (56)	-	-	-	-	203 (8.0)	1603 (63.1)	1100 (43.3)	1700 (3748)
1600 (64)	-	-	-	-	229 (9.0)	1724 (67.9)	1250 (49.2)	2650 (5842)

Materials

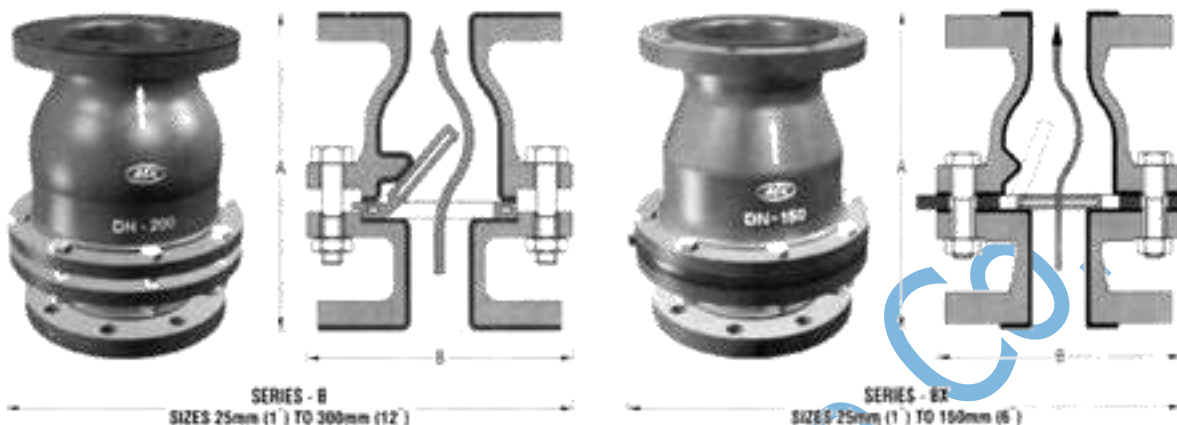
Body	Cast iron ASTM A126 Gr. WCB / Stainless Steel A351 Gr. CF8 / CF8M / Ductile Iron ASTM A395 / S.G. Iron EN 1563 No. EN-JS1024
Disc & Cover	Stainless Steel ASTM A276 Type 410 / 304 / 316 / ASTM A217 Gr. CA15 / Carbon Steel ASTM A216 Gr. WCB / Stainless Steel ASTM A351 Gr. CF8 / CF8M / Ductile Iron ASTM A395 / S.G. Iron EN1563 No. EN-JS1024
Guide plate & Spring	Stainless Steel ASTM A240-Type 316 / ASTM A312 Type 316
O-ring (For Water Check only)	EPDM (Other grades available on request)
Hinge pin	Stainless Steel ASTM A276 Type 410 / 304 / 316
Surface Protection for Ductile Iron and Cast Carbon Steel Valves	Prime Coat : Chlorine free with modified alkyd resin unobjectionable in physiological and toxicological respects. Additional external coating : Enamel.



JAIN STEEL TUBE CO.

Rubber Lines Check Valves

Series 'B' & 'BX'



DESIGN STD & TESTING STD : ISK STD

Test Pressure in bar (psi)	
Pressure rating	PN10
Hyd. Shell	15 (218)
Seat	10 (145)

Dimensions are in mm (inch)

SERIES - B				SERIES - BX			
Size mm (inch)	Unlined	Rubber Lined	Wt ¹	Size mm (inch)	Unlined	Rubber Lined	Wt ¹
25 (1)	144 (5.7)	150 (5.9)	124 (4.9)	25 (1)	150 (5.9)	157 (6.2)	126 (5.0)
40 (1 1/4)	174 (6.9)	180 (7.1)	144 (5.7)	40 (1 1/4)	180 (7.1)	186 (7.3)	149 (5.9)
50 (2)	194 (7.6)	200 (7.9)	166 (6.5)	50 (2)	200 (7.9)	206 (8.1)	163 (6.4)
65 (2 1/4)	234 (9.2)	240 (9.4)	225 (8.9)	65 (2 1/4)	240 (9.4)	244 (9.6)	185 (7.3)
80 (3)	254 (10.0)	260 (10.2)	250 (9.8)	80 (3)	260 (10.2)	266 (10.5)	218 (8.6)
100 (4)	292 (11.5)	300 (11.8)	270 (10.6)	100 (4)	300 (11.8)	308 (12.1)	250 (9.8)
150 (6)	392 (15.4)	400 (15.7)	322 (12.7)	150 (6)	400 (15.7)	406 (16.0)	325 (12.8)
150 (6)	492 (19.4)	500 (19.7)	396 (15.0)	150 (6)	500 (19.7)	506 (20.0)	396 (15.0)
200 (8)	592 (23.3)	600 (23.6)	500 (19.7)	200 (8)	600 (23.6)	606 (24.0)	470 (18.5)
250 (10)	692 (27.2)	700 (27.5)	564 (21.8)	250 (10)	700 (27.5)	706 (27.8)	530 (20.5)
300 (12)				300 (12)			

Materials

Body / End piece	Cast Iron ASTM A126 Class C / EN1561 No. 18-JL 1040 / ASTM A216 Gr. WC8
Disc	Steel plate duly rubber lined, (Grade according to working condition)
Connecting bolts / nuts	Steel ASTM A307 Gr. A / ASTM A563 Gr. A
Surface Protection for Valves	Prime Coat : Chlorine free with modified alkyl resin unobjectionable in physiological and toxicological respects. Additional external coating : Stoving enamel

B-TORQ Pneumatic Actuators

DESIGN

B-TORQ Pneumatic Actuators incorporate latest technology and materials, through designing, developing, testing and engineering application. We have obtained a high grade product with the characteristics of reliability, high performance, long cycle life, large adjustment, and highest levels of corrosion protection, wide selection of model with ease and economy.

STRUCTURE

1. INDICATOR

Position indicator with NAMUR is convenient for mounting accessories such as Limit Switch Box, Positioner and so on.

2. PINION

The pinion is high-precision and integrative, made from Nickel Alloy Steel, conform to the latest standards of ISO 5211, DIN 3337, NAMUR. The dimensions can be customized and the stainless steel is also available on request.

3. ACTUATOR BODY

The extruded Aluminum Alloy ASTM 6005 body, treated with hard anodized.

4. END CAPS

Die-casting Aluminum, powder polyester painted.

5. PISTONS

The twin rack pistons made from die-casting aluminum treated with hard anodized or made from cast steel with galvanization. Symmetric mounting position, long cycle life and fast operation, reversing rotation by simply inverting the pistons.

6. TRAVEL ADJUSTMENT

External stroke adjustment screw can adjust $\pm 4^\circ$ of travel.

7. HIGH PERFORMANCE SPRINGS

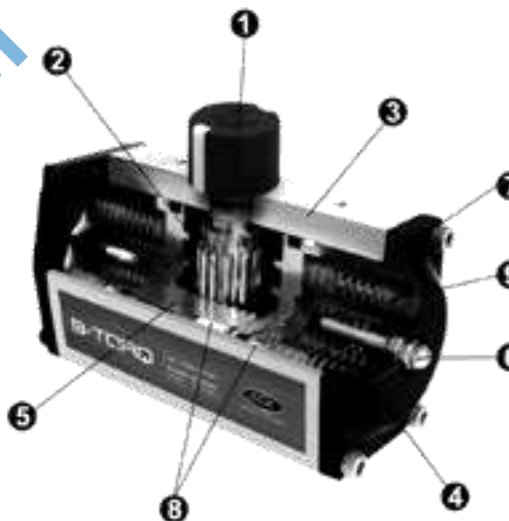
Pre-loaded coiling springs made from the high quality material for resistant to corrosion and longer cycle life, which can be demounted safely and conveniently to satisfy different requirements of torque by changing quantity of springs.

8. BEARINGS & GUIDES

Made from low friction, long-life compound material, to avoid the direct contact between metals. The maintenance and replacement are easy and convenient.

9. O-RINGS

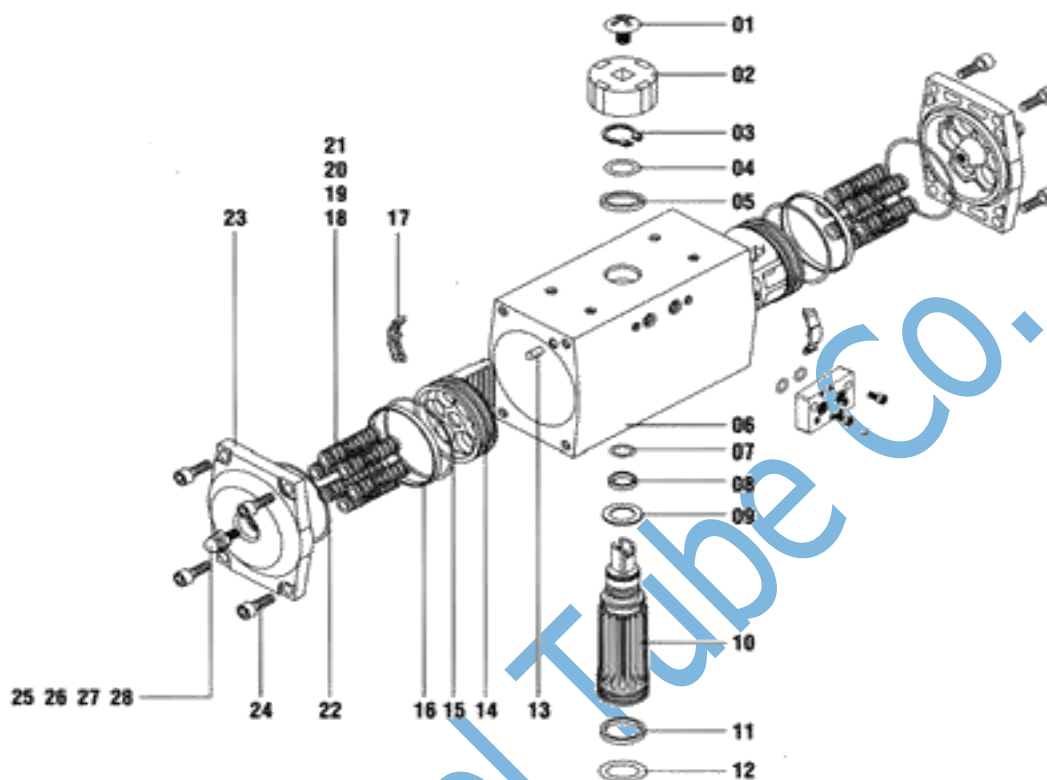
NBR rubber O-rings provide trouble-free operation at standard temperature ranges. For high and low temperature, viton or silicon can be offered on request.





JAIN STEEL TUBE CO.

Actuators Parts



PART NO.	PART NAME	QTY	MATERIALS
01	Indicator Screw	01	Stainless Steel
02	Indicator	01	Plastic
03	Snap Ring	01	Stainless steel
04	Washer	01	Stainless steel
05	Outside Washer	01	Polyoxymethylene
06	Body	01	Aluminium alloy
07	O-Ring Top	01	Viton / NBR
08	Bearing Top	01	Polyoxymethylene
09	Inside Washer	01	Polyoxymethylene
10	Piston	01	Alloy steel
11	Bearing Bottom	01	Polyoxymethylene
12	O-Ring Bottom	01	Viton / NBR
13	Plug	02	NBR
14	Piston	02	Die-casting Aluminium / steel
15	Piston O-Ring	02	Viton / NBR
16	Piston Bearing	02	Polyoxymethylene
17	Guide Piston	02	Nylon66
18	Spring	★	Spring steel
19	Spring Retainer (L)	★	Nylon66
20	Spring Retainer (R)	★	Nylon66
21	Retainer Connector	★	Brass
22	End-Cap O-Ring	02	Viton / NBR
23	End-Cap	02	Die-casting Aluminium
24	End-Cap Stop Screw	08	Stainless steel
25	Adjust Screw	02	Stainless steel
26	Adjust Screw Nut	02	Stainless steel
27	Adjust Screw Washer	02	Stainless steel
28	Adjust Screw O-Ring	02	Viton / NBR



JAIN STEEL TUBE CO.

Gun Metal Gate Valve, Non-Rising Stem, Screwed IS: 778 Class – 1

SPECIFICATION :

Gunmetal Wedge Gate Valve, screwed in bonnet, inside screw, non-rising stem, integral seats; screwed female ends (BSP) to IS 554-1985, handwheel operated; conforming to IS 778-1984 class 1 valves are painted blue

TESTING & CERTIFICATION :

Body Test Pressure — 1.5 MPa Hyd.
Seat & Backseat Test Pressure — 1.0 MPa Hyd.
All Valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

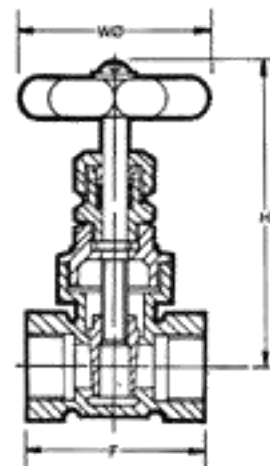
MATERIALS

Components	Material	Material code
Body, Bonnet, Wedge, Stuffing Box, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LTB2
Spindle	Forged Brass	FB
Handwheel	Cast Iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
8	50	80	44
10	50	85	44
15	60	95	56
20	60	110	56
25	70	130	65
32	80	140	75
40	90	160	80
50	100	180	90
65	105	210	105
80	125	250	115
100	160	300	160

IS 1





JAIN STEEL TUBE CO.

Gun Metal Gate Valve, Non-Rising Stem, Flanged IS: 778 Class – 1

SPECIFICATION :

Cunmetal Wedge Gate Valve, screwed in bonnet, inside screw, non-rising stem, integral seats, Handwheel operated, Flanged Ends, Conforming to IS:778-1984 class 1. Valves are painted blue.

TESTING & CERTIFICATION :

Body Test Pressure — 1.5 MPa Hyd.
Seat & Backseat Test Pressure — 1.0 MPa Hyd.
All Valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

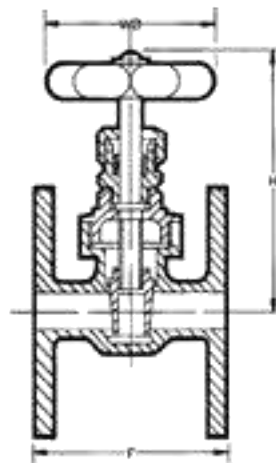
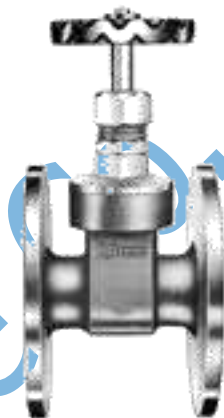
MATERIALS

components	Material	Material code
Body, Bonnet, Wedge, Stuffing Box, Gland & Gland Nut	Cunmetal/Leaded Tin Bronze	GM/LTB2
Spindle	Forged Brass	FB
Handwheel	Cast Iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
15	72	95	56
20	76	110	56
25	90	130	65
32	100	140	75
40	110	160	80
50	120	180	90
65	140	210	105
80	150	250	115
100	190	300	160

IS 2





JAIN STEEL TUBE CO.

Gun Metal Gate Valve, Rising Stem, Screwed IS: 778 Class – 1

SPECIFICATION :

Gunmetal Wedge Gate Valve, screwed in bonnet, inside screw,
Rising Stem, integral seats; screwed female ends (BSP) to IS:554-1985,
handwheel operated; conforming to IS:778-1984 class 1 valves are
painted blue

TESTING & CERTIFICATION :

Body Test Pressure – 1.5 MPa Hyd.
Seat & Backseat Test Pressure – 1.0 MPa Hyd.
All Valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

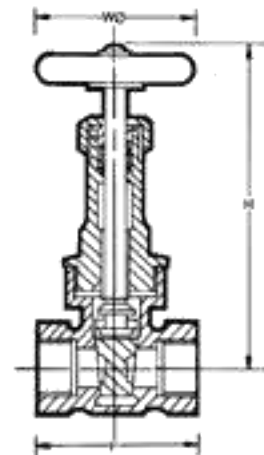
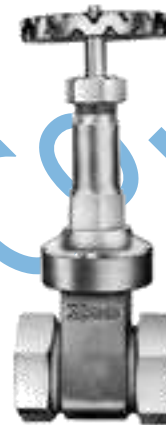
MATERIALS

Components	Material	Material code
Body, Bonnet, Wedge, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LTB2
Spindle	Forged Brass	FB
Handwheel	Cast iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer For Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
8	50	105	44
10	50	108	44
15	60	125	56
20	60	145	56
25	70	165	65
32	80	180	75
40	90	210	80
50	100	240	90
65	105	290	105
80	125	360	115
100	160	450	160

IS 3





JAIN STEEL TUBE CO.

Gun Metal Gate Valve, Rising Stem, Flanged IS: 778 Class – 1

SPECIFICATION :

Gunmetal Wedge Gate Valve, screwed in bonnet, inside screw,
Rising Stem, integral seats; Handwheel operated, Flanged Ends;
Conforming to IS:778-1984 class 1. Valves are painted blue.

TESTING & CERTIFICATION :

Body Test Pressure — 1.5 MPa Hyd.

Seat & Backseat Test Pressure — 1.0 MPa Hyd.

All Valves are supplied duly ISI Marked.

Our Works' Test Certificate is furnished with every supply.

MATERIALS

Components	Material	Material code
Body, Bonnet, Wedge, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LTB2
Spindle	Forged Brass	FB
Handwheel	Cast Iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
15	72	125	56
20	76	145	56
25	90	165	65
32	100	180	75
40	110	210	80
50	120	240	90
65	140	290	105
80	150	360	115
100	190	450	160

IS 4



Gun Metal Gate Valve, Non-Rising Stem, Screwed IS: 778 Class – 2

SPECIFICATION :

Gunmetal Wedge Gate Valve, screwed in bonnet, inside screw, non-rising stem, integral seats; screwed female ends (BSP) to IS-554-1985, Handwheel operated, Conforming to IS-778-1984 class 2. Valves are painted red.

TESTING & CERTIFICATION :

Body Test Pressure — 2.4 MPa Hyd.
Seat & Backseat Test Pressure — 1.6 MPa Hyd.
All Valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

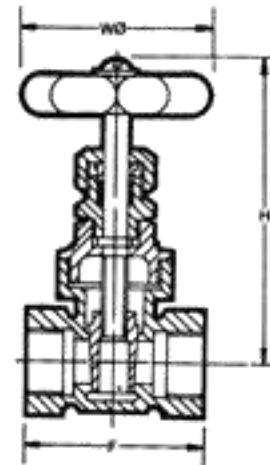
MATERIALS

Components	Material	Material code
Body, Bonnet, Wedge, Stuffing Box, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LTB
Spindle	Forged Brass	FB
Handwheel	Cast iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
15	60	95	56
20	60	110	56
25	70	130	65
32	80	140	75
40	90	160	80
50	100	180	90
63	105	210	105
80	125	250	115
100	160	300	160

IS 5





JAIN STEEL TUBE CO.

Gun Metal Gate Valve, Non-Rising Stem, Flanged IS: 778 Class – 2

SPECIFICATION :

Gunmetal Wedge Gate Valve, screwed in bonnet, inside screw,
non-rising stem, integral seats; Handwheel operated, Flanged Ends;
Conforming to IS:778-1984 class 2. Valves are painted blue.

TESTING & CERTIFICATION :

Body Test Pressure – 2.4 MPa Hyd.
Seat & Backseat Test Pressure – 1.6 MPa Hyd.
Our Works' Test Certificate is furnished with every supply.
Gate Valves upto 50 mm size are duly ISI Marked.

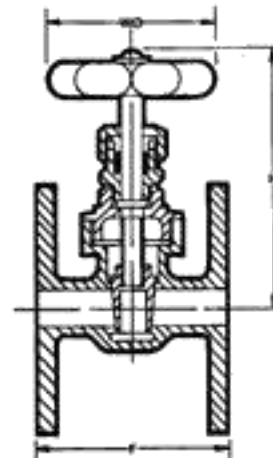
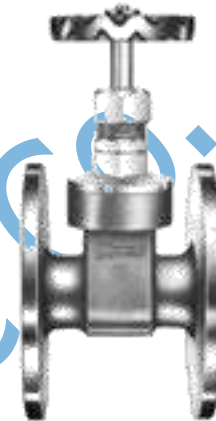
MATERIALS

Components	Material	Material code
Body, Bonnet, Wedge, Stuffing Box, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LTB2
Spindle	Forged Brass	FB
Handwheel	Cast Iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
15	72	95	56
20	76	110	56
25	90	130	65
32	100	140	75
40	110	160	80
50	120	180	90
65	140	210	105
80	150	250	115
100	190	300	160

IS 6



Gun Metal Gate Valve, Non-Rising Stem, Screwed IS: 778 Class – 3

SPECIFICATION :

Gunmetal Wedge Gate Valve, screwed in bonnet, inside screw, non-rising stem, integral seats; screwed female ends (BSP) to IS:554-1985, handwheel operated; conforming to IS:778-1971 class 3 valves are painted red.

TESTING & CERTIFICATION :

Body Test Pressure — 50 kg/cm² g Hyd.
Seat & Backseat Test Pressure — 40 kg/cm² g Hyd.
Our Works' Test Certificate is furnished with every supply.

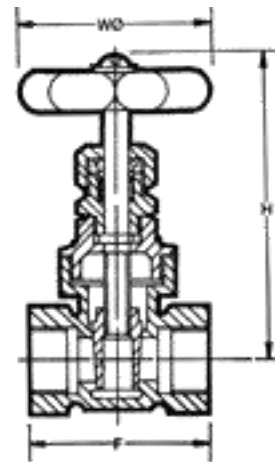
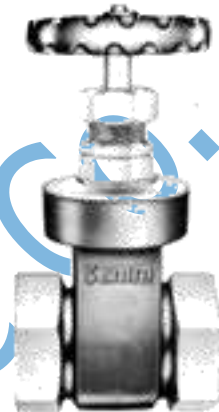
MATERIALS

Components	Material	Material code
Body, Bonnet, Wedge, Stuffing Box, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LT82
Spindle	Forged Brass	FB
Handwheel	Cast Iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
15	85	105	56
20	86	125	65
25	100	145	90
32	120	160	90
40	120	185	105
50	133	210	115

IS 7





JAIN STEEL TUBE CO.

Gun Metal Vertical Lift Check Valve, Screwed IS: 778 Class – 1

SPECIFICATION :

Gunmetal Vertical Lift Check Valve, integral seat; screwed female ends
(BSP) to IS:554-1985, conforming to IS:778-1984 class 1. Valves are painted blue.

IS 8

TESTING & CERTIFICATION :

Body Test Pressure -- 1.5 MPa Hyd.
Seat & Backseat Test Pressure -- 1.0 MPa Hyd.
All Valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

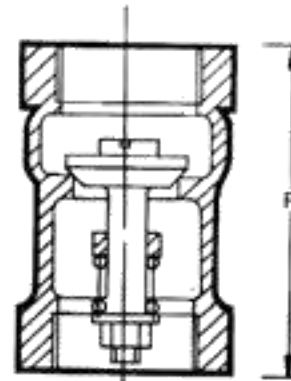
MATERIALS

Components	Material	Material code
Body & Valve Disc	Gunmetal/Leaded Tin Bronze	GM/LTB2
Nut & Washer	Forged Brass	FB
Spring	Phosphor Bronze	PB



DIMENSIONS IN mm

Nominal Size	F
15	65
20	70
25	75
32	85
40	95
50	110
65	130
80	145
100	190





JAIN STEEL TUBE CO.

Gun Metal Globe Valve, Rising Stem, Screwed IS: 778 Class – 1 & 2

SPECIFICATION :

Gunmetal Globe Valve, screwed in bonnet, inside screw, rising stem, integral seats; Handwheel operated, with backseat arrangement, screwed female ends (BSP), Conforming to IS:778-1984, class 1 and class 2. Class 1 valves are painted blue and Class 2 valves are painted red.

TESTING & CERTIFICATION :

Class	Body Test Pressure (Hyd.)	Seat & Backseat Test Pressure (Hyd.)
1	1.5 MPa	1.0 MPa
2	2.4 MPa	1.6 MPa

All Sizes of Class 1 valves and sizes upto and including 50 mm size of class 2 valves are supplied duly ISI Marked.

Our Works' Test Certificate is furnished with every supply.

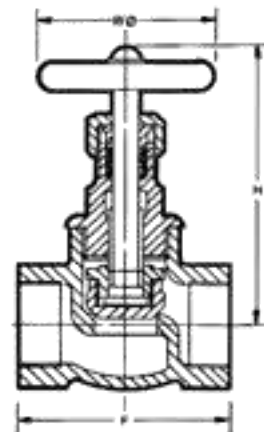
MATERIALS

Components	Material	Material code
Body, Bonnet, Valve Disc, Check Nut, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LT82
Spindle	Forged Brass	FB
Handwheel	Cast Iron	CI
Gland Packing	Asbestos	ASB
Washer & Screw for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
8	47	75	44
10	50	80	44
15	60	85	56
20	70	90	56
25	80	108	65
32	95	120	75
40	110	130	80
50	125	135	90
65	160	170	144
80	180	200	175
100	216	230	195

IS 9 CLASS 1
IS 11 CLASS 2





JAIN STEEL TUBE CO.

Gun Metal Globe Valve, Rising Stem, Flanged IS: 778 Class – 1 & 2

SPECIFICATION :

Gunmetal Globe Valve, screwed in bonnet, inside screw, rising stem, integral seats; Handwheel operated, with backseat arrangement, Flanged Ends, Conforming to IS:778-1984, class 1 and class 2. Class 1 valves are painted blue and Class 2 valves are painted red.

IS 10 CLASS 1
IS 12 CLASS 2

TESTING & CERTIFICATION :

Class	Body Test Pressure (Hyd.)	Seat & Backseat Test Pressure (Hyd.)
1	1.5 MPa	1.0 MPa
2	2.4 MPa	1.6 MPa

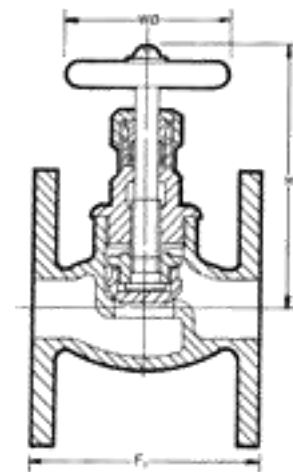
Class 1 valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

MATERIALS

Components	Material	Material code
Body, Bonnet, Valve Disc, Check Nut, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	CM-1, TB2
Spindle	Forged Brass	FB
Handwheel	Cast Iron	CI
Gland Packing	Asbestos	ASB
Washer & Screw for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F 1	H	W
15	75	85	36
20	85	90	56
25	95	108	65
32	110	120	75
40	120	130	80
50	145	135	90
65	165	170	144
80	185	200	175
100	216	230	195





JAIN STEEL TUBE CO.

Gun Metal Globe Valve, Rising Stem, Flanged IS: 778 Class – 3

SPECIFICATION :

Gunmetal Globe Valve, screwed in bonnet, inside screw, rising stem, integral seats; screwed female ends (BSP), Handwheel operated; conforming to IS:778-1971 class 3 valves are painted red.

IS 13

TESTING & CERTIFICATION :

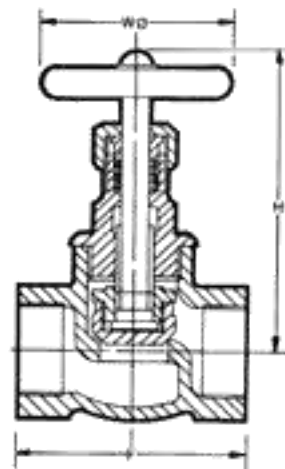
Body Test Pressure $\rightarrow 50 \text{ kg/cm}^2 \text{ g Hyd.}$
Seat & Backseat Test Pressure $\rightarrow 40 \text{ kg/cm}^2 \text{ g Hyd.}$
Our Works' Test Certificate is furnished with every supply.

MATERIALS

Components	Material	Material code
Body, Bonnet, Valve Disc, Check Nut, Gland & Gland Nut	Gunmetal/Leaded Tin Bronze	GM/LTB2
Spindle	Forged E	FB
Handwheel	Cast iron	CI
Gland Packing	Asbestos	ASB
Screw & Washer for Handwheel	Mild Steel	MS

DIMENSIONS IN mm

Nominal Size	F	H	W
15	89	90	56
20	100	110	65
25	117	120	80
32	133	130	90
40	150	150	144
50	178	180	175
65	200	210	195
80	250	226	195
100	300	250	229





JAIN STEEL TUBE CO.

Gun Metal Horizontal Lift Check Valve, Screwed IS: 778 Class – 1

SPECIFICATION :

Gunmetal Horizontal Lift Check Valve, screwed cover,
integral seats; screwed female ends (BSP); conforming to IS:778-1984
class 1. Valves are painted blue

IS 14

TESTING & CERTIFICATION :

Body Test Pressure – 1.5 MPa Hyd.
Seat Test Pressure – 1.0 MPa Hyd.
All Valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

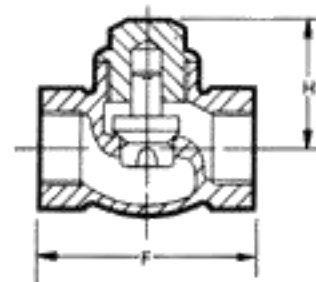
MATERIALS

Components	Material	Material code
Body, Bonnet, & Valve Disc	Gunmetal/Leaded Tin Bronze	GM/LTB2



DIMENSIONS IN mm

Nominal Size	F	H
15	60	36
20	70	40
25	80	51
32	95	60
40	110	70
50	125	85
65	160	90
80	180	105
100	216	130





JAIN STEEL TUBE CO.

Gun Metal Horizontal Lift Check Valve, Flanged IS: 778 Class – 1

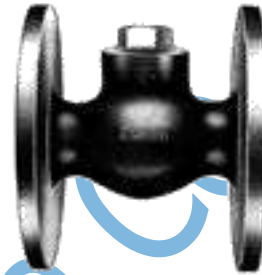
SPECIFICATION :

Gunmetal Horizontal Lift Check Valve, screwed cover,
integral seats; Flanged ends; conforming to IS:778-1984
class 1. Valves are painted blue

TESTING & CERTIFICATION :

Body Test Pressure – 1.5 MPa Hyd.
Seat Test Pressure – 1.0 MPa Hyd.
All Valves are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

IS 15

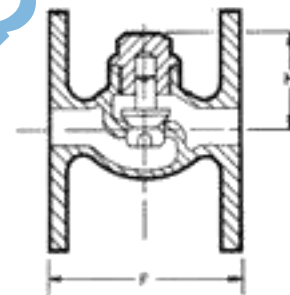


MATERIALS

Components	Material	Material code
Body, Bonnet, & Valve Disc	Gunmetal/Leaded Tin Bronze	GM/LTB2

DIMENSIONS IN mm

Nominal Size	F	H
15	75	36
20	85	40
25	95	51
32	110	60
40	120	70
50	145	85
65	165	90
80	185	105
100	216	130





JAIN STEEL TUBE CO.

Gun Metal Ferrule IS: 2692

IS 16

SPECIFICATION :

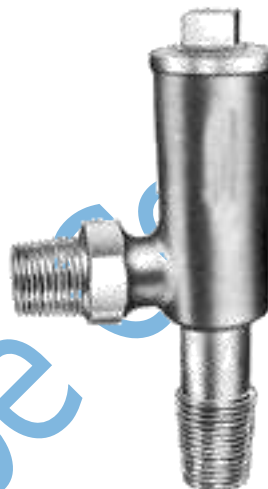
Gunmetal Ferrule as per IS:2692-1978; Screw male ends (BSPT)
as per IS:554. Ferrules are supplied with rough finish.

TESTING & CERTIFICATION :

Test Pressure — 2.0 MPa Hyd.
All Ferrules are supplied duly ISI Marked.
Our Works' Test Certificate is furnished with every supply.

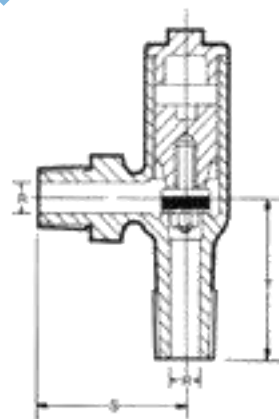
MATERIALS

Components	Material	Material code
Body, Plug & Cap	Gunmetal/Leaded Tin Bronze	GM/LTB2
Washer Plate & Nut	High Tensile Brass	HTB
Gasket	Compressed Asbestos Fibre	CAF
Rubber Washer	Natural Rubber	NR
Copper Washer	Copper Sheet	Cu



DIMENSIONS IN mm

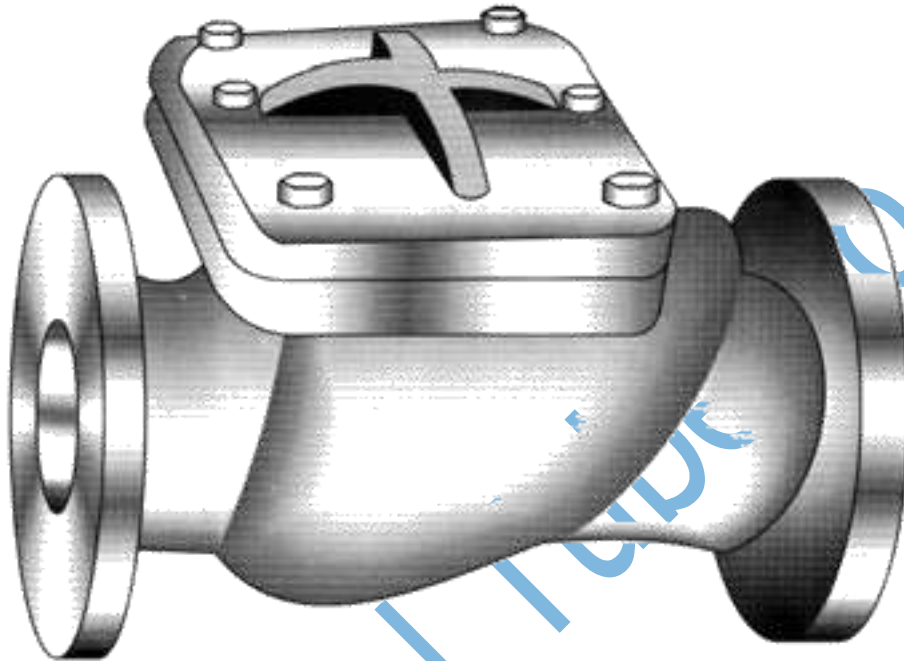
Nominal Size	R (MINIMUM)	S (MINIMUM)	T (MINIMUM)
15	12.3	55	60
20	17.8	60	65
25	24.5	70	75
32	30.8	85	90
40	36.8	95	100
50	46.8	115	120





JAIN STEEL TUBE CO.

Cast Iron Reflex Valves Flanged As per IS 5312 (Non Return or Vertical Check Valve) (Flange Ends)



DIMENSIONS

Bore	50 MM	65 MM	80 MM	100 MM	125 MM	150 MM	200 MM	250 MM	300 MM
Face to Face	290	340	290	300	350	400	500	600	700
Flange Diameter	165	185	200	220	250	285	340	395	445
Flange Of Thickness	18	18	20	22	22	24	25	28	28
Approx weight in kg. (each)	17	20	33	43	58	66	113	199	350

The following Special Features are supplied to customers requirements :

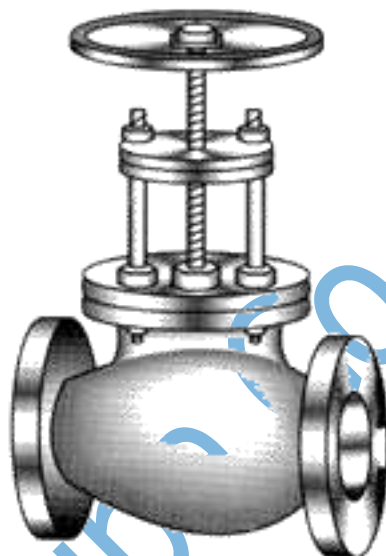
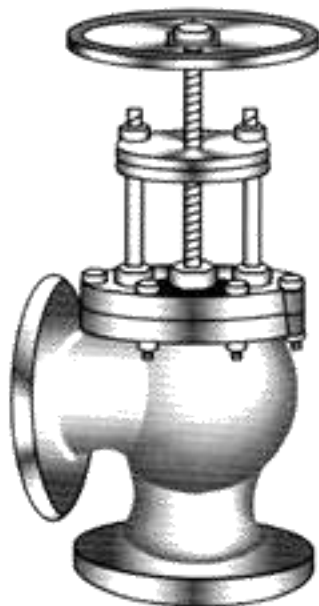
Bye-pass in body
Light Weight Gun Metal Flaps
Leather Faced Flaps.
Vent Cock in cover.

Reflex Valves from 12" Size Upward Upto 24" Size are Provided with Bye Pass 82
Brass Rod hinges Pin Each & Every Valve is Tested to 300 lbs. H. P. S. I.



JAIN STEEL TUBE CO.

Globe & Angle Globe Valve



DIMENSIONS OF GLOBE STOP VALVES (WITH APPROXIMATE WEIGHT)

MEASUREMENT	Inches	Prox. MM	Inches	Prox. MM	Inches	Prox. MM	Inches	Prox. MM	Inches	Prox. MM	Inches	Prox. MM	Inches	Prox. MM	Inches	Prox. MM	Inches	Prox. MM
Bore	2	50	2 1/2	65	3	75	4	100	5	125	6	150	8	200	10	250	12	300
Diameter of Flanges	6 1/2	165	7 1/4	184	8	200	9	225	11	279	12	300	14 1/2	337	17	425	19 1/2	485
Thickness of Flanges	7/8	22	7/8	22	1	25	1 1/8	29	1 1/4	32	1 1/4	32	1 3/8	35	1 3/8	35	1 3/8	35
F. to F. Meas.	8	200	9	225	10 1/4	265	11 3/4	298	13 3/4	342	15 3/4	400	19 3/4	501	23 1/2	585	26 3/8	665
Approx weight in Kg. (Each)	22		27		39		59		90		123		231		345		491	

Globe Steam Valve are tested to 150 lbs Steam pressure per sq. inch.
Valve Seat & Spindle can be provided with Stainless Steel When required, ordinarily Gun Metal / Bronze Mounting are Provided.