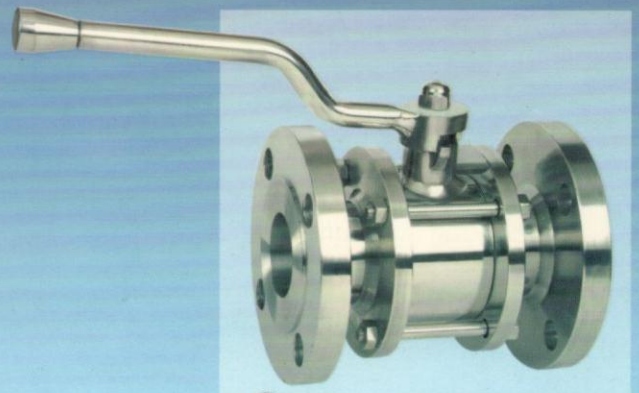




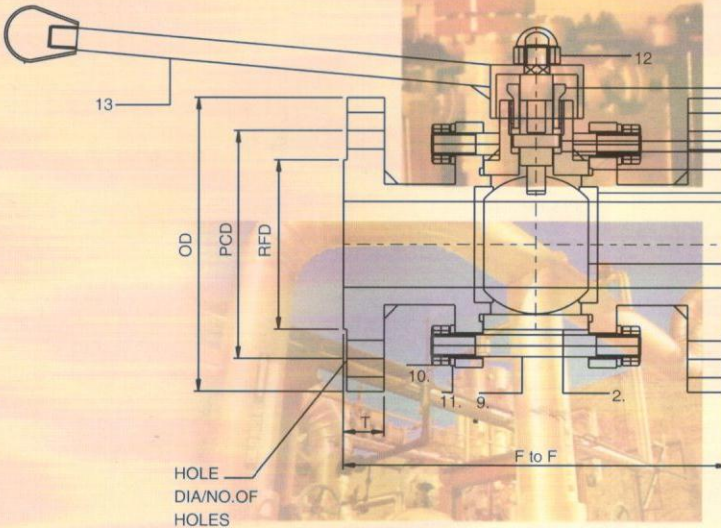
VALVES



Flanged Type SS-MS-CI Ball Valve



3 Piece Investment Casting Ball Valve

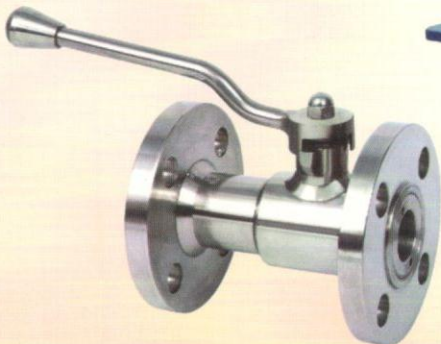


Dimensions

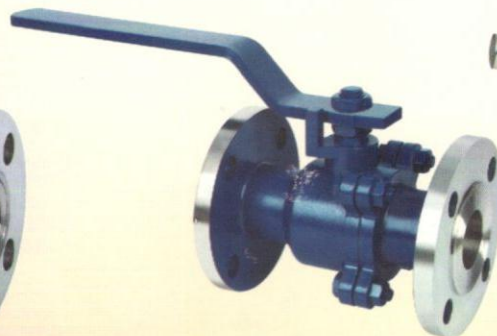
Size	F to F	OD	Thickness	RFD	PCD	Dia. of Bolt
1/2"	108	89.0	11.0	34.9	60.3	16 x 4
3/4"	118	98.5	12.7	42.9	69.9	16 x 4
1"	127	108.0	14.3	50.8	79.4	16 x 4
1.1/4"	140	117.5	15.9	63.5	88.9	16 x 4
1.1/2"	165	127.0	17.5	73.0	98.4	16 x 4
2"	178	152.5	19.0	92.1	120.6	19 x 4
2.1/2"	190	178.0	22.2	104.8	139.7	19 x 4
3"	203	190.5	23.8	127.0	152.4	19 x 4
3.1/2"	-	216.0	23.8	139.7	177.8	19 x 8
4"	229	228.5	23.8	157.2	190.5	19 x 8
5"	254	254.0	23.8	185.7	215.9	23 x 8
6"	267	279.5	25.4	215.9	241.3	23 x 8
8"	292	343.0	28.6	269.9	298.5	23 x 8
10"	330	406.5	30.2	329.9	362.0	25 x 12
12"	356	482.5	31.8	381.0	431.8	25 x 12

Material of Construction

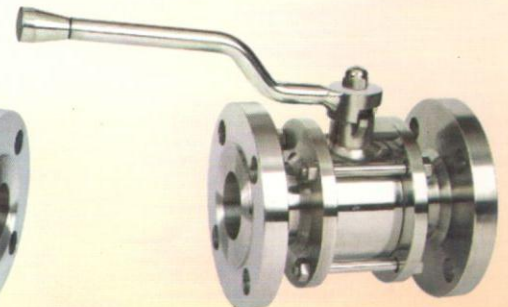
No.	Description	Material	Qty.
1	End Piece	304 / 316 / 316L	02
2	Body	304 / 316 / 316L	01
3	Ball	304 / 316 / 316L	01
4	Seat	PTFE / Glassfild	02
5	"O" Ring	PTFE / Glassfild	02
6	Gland Ring	PTFE / Glassfild	02
7	Spindle	304 / 316 / 316L	01
8	Gland Nut	304 / 316 / 316L	01
9	Stud	304	04
10	Nut	304	08
11	Washer	304	08
12	Dome Nut	304	01
13	Handle	304	01



One Piece Barstock Ball valve

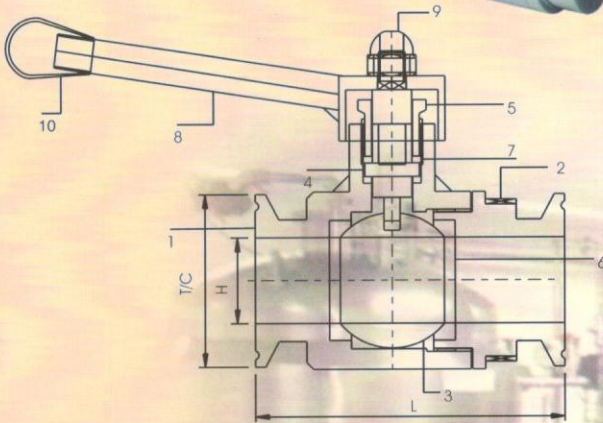
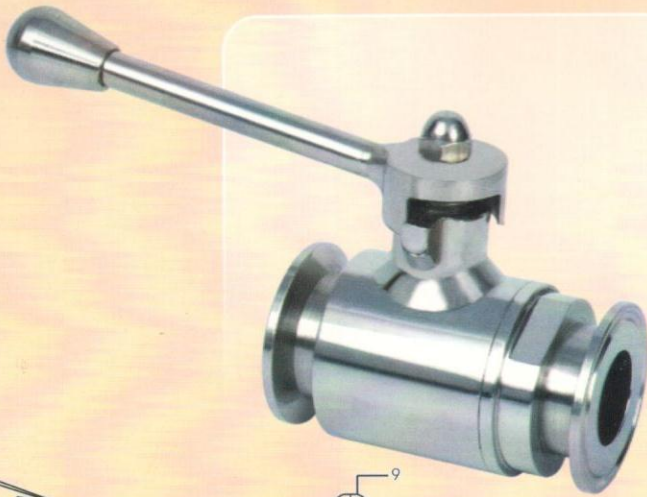


Two Piece Investment Casting Ball Valve



Three Piece Barstock Ball valve

Triclover Ball Valve



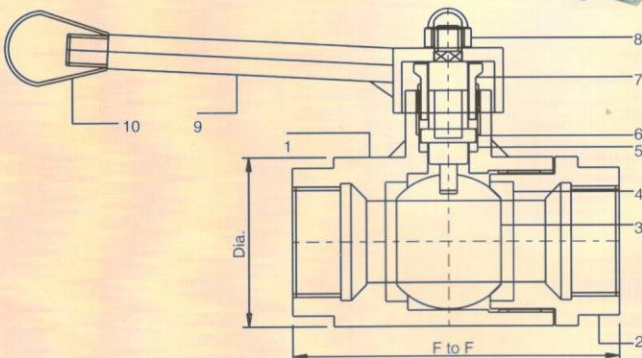
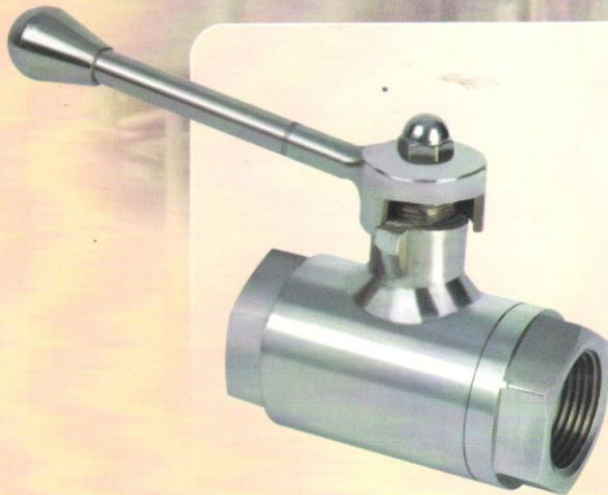
Dimensions

Size	H	T/C
1/2"	12.7	34.0
1/2"	12.7	50.5
3/4"	19.0	50.5
1"	25.0	50.5
1.1/4"	32.0	50.5
1.1/2"	34.0	50.5
2"	44.0	64.0
2.1/2"	62.0	77.4
3"	72.0	90.6
4"	95.0	119.0

Material of Construction

No.	Description	Material	Qty.
1	Body	SS 304 / 316L	1
2	End Piece	SS 304 / 316L	1
3	Ball	SS 304 / 316L	1
4	Spindle	SS 304 / 316L	1
5	Gland Nut	SS 304 / 316L	1
6	Seat	PTFE / Glassfild	2
7	Gland Ring	PTFE / Glassfild	2
8	Handle	SS 304	1
9	Dome Nut	SS 304	1
10	Knob	SS 304	1

Screw End Ball Valve



Dimensions

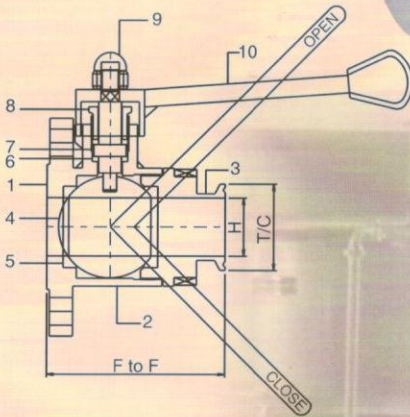
Size	Dia.
3/8"	32
1/2"	36
3/4"	40
1"	50
1.1/4"	60
1.1/2"	70
2"	90

Material of Construction

No.	Description	Material	Qty.
1	Body	SS 304 / 316 / 316L	1
2	End Piece	SS 304 / 316 / 316L	1
3	Ball	SS 304 / 316 / 316L	1
4	Seat	PTFE / Glassfild	2
5	Gland Ring	PTFE / Glassfild	2
6	Spindle	SS 304 / 316 / 316L	1
7	Gland Nut	SS 304 / 316 / 316L	1
8	Dome Nut	SS 304	1
9	Handle	SS 304	1
10	Knob	SS 304	1

Flush Bottom Ball valve

One side Flange and Second side T/C



Dimensions

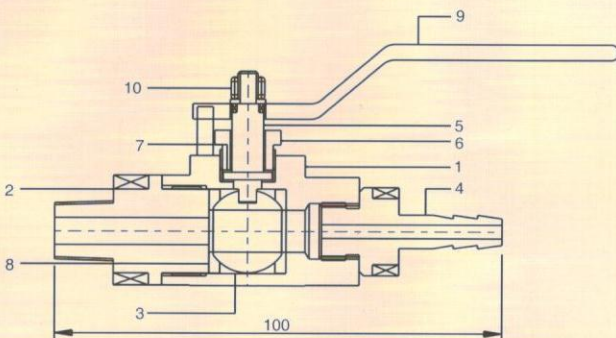
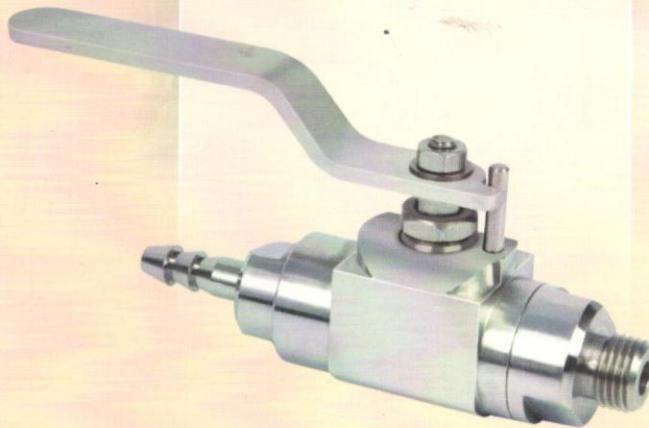
One Side Flange	Second Side T/C	Hole
1"	50.5	25
1.1/2"	50.5	34
2"	50.5	34
2"	64.0	44
2.1/2"	64.0	44
2.1/2"	77.4	62
3.1/2"	90.6	72
4"	119.0	95

Material of Construction

No.	Description	Material	Qty.
1	Flange	304 / 316 / 316L	1
2	Body	304 / 316 / 316L	1
3	End Nut	304 / 316 / 316L	1
4	Ball	304 / 316 / 316L	1
5	Seat	PTFE / Glassfild	2
6	Gland Ring	PTFE / Glassfild	2
7	Spindle	304 / 316 / 316L	1
8	Gland Nut	304 / 316 / 316L	1
9	Dome Nut	304	1
10	Handle	304	1

One Piece Ball Valve

One side Male Thread and Second side Nozzle



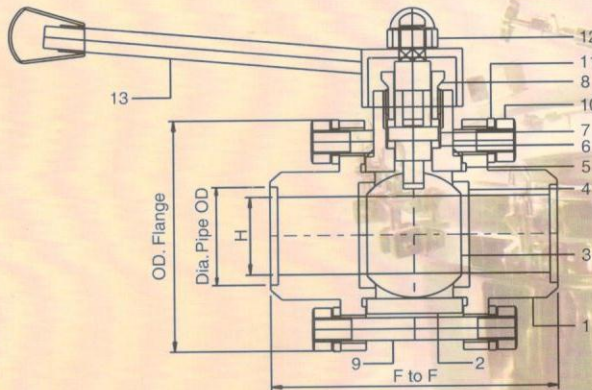
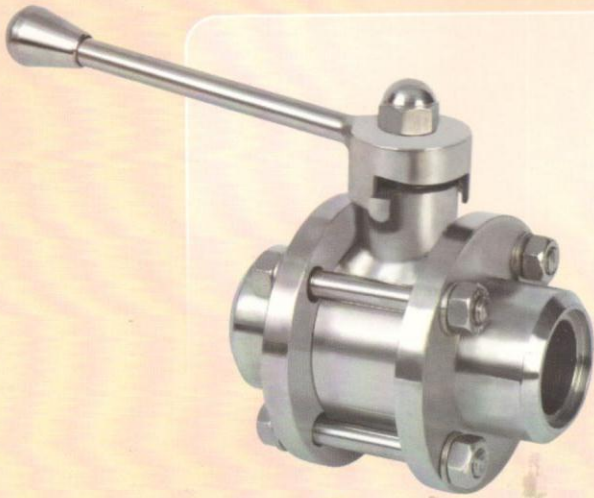
Dimensions

Size	OD
1/4"	32
3/8"	32
1/2"	36
3/4"	40
1"	50

Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / 316L	1
2	Body Nut	304 / 316 / 316L	1
3	Ball	304 / 316 / 316L	1
4	Nozzle	304 / 316 / 316L	1
5	Spindle	304 / 316 / 316L	1
6	Gland Nut	304 / 316 / 316L	1
7	Gland Ring	PTFE / Glassfild	2
8	Seat Ring	PTFE / Glassfild	2
9	Handle	304 / 316L	1
10	Nut & Washer	304	1

Three Piece Socketweld Ball Valve



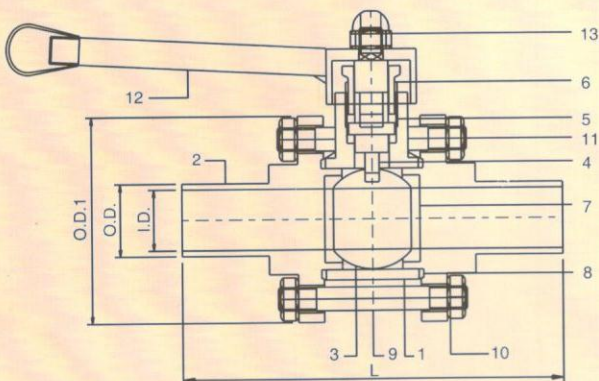
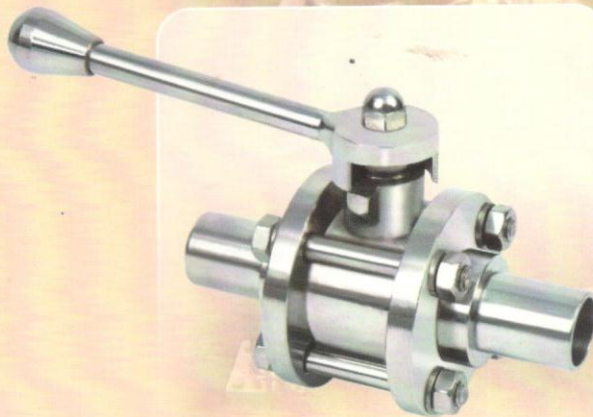
Dimensions

Size	Flg. OD	Standard		Non-Standard	
		Sch 40	Hole	Pipe O/d	Hole
1/2"	60	21.5	12.0	-	-
3/4"	75	27.0	19.0	-	-
1"	80	33.7	25.0	38.5	25.0
1.1/4"	92	42.5	32.0	38.5	30.4
1.1/2"	105	48.6	38.0	51.0	38.0
2"	125	61.1	50.0	51.0	44.0
2.1/2"	140	-	55.0	63.5	55.0

Material of Construction

No.	Description	Material	Qty.
1	End Piece	304/316/316L	2
2	Body	304/316/316L	1
3	Ball	304/316/316L	1
4	Seat	PTFE / Glassfilld	2
5	"O" Ring	PTFE / Glassfilld	2
6	Gland Ring	PTFE / Glassfilld	2
7	Spindle	304/316/316L	1
8	Gland Nut	304/316/316L	1
9	Stud	304	4
10	Nut	304	8
11	Washer	304	8
12	Dome Nut	304	1
13	Handle	304	1

Three Piece Buttweld Ball Valve



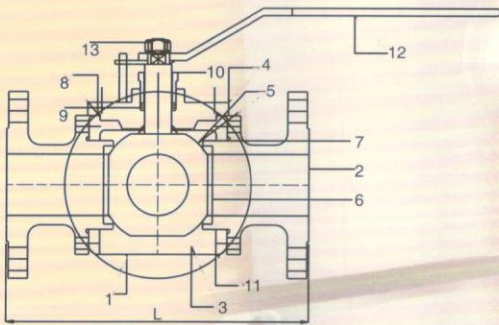
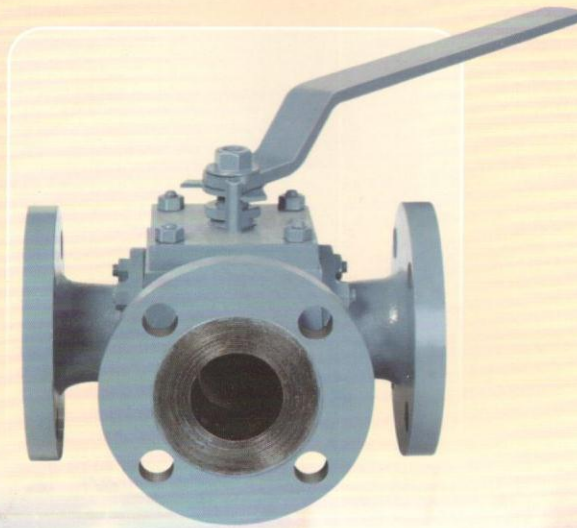
Dimensions

Size	Dia.	16 S.W.G		14 S.W.G	
		OD	ID	OD	ID
3/8"	55	9.5	6.3	9.5	5.40
1/2"	60	12.7	9.5	12.7	8.6
3/4"	70	19.05	15.85	19.05	14.9
1"	80	25.4	22.2	25.4	21.3
1.1/4"	90	31.75	28.55	31.75	27.6
1.1/2"	110	38.1	34.9	38.1	34.03
2"	130	50.8	47.6	50.8	46.7

Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / 316L	1
2	End Piece	304 / 316 / 316L	2
3	Ball	304 / 316 / 316L	1
4	Spindle	304 / 316 / 316L	2
5	Gland Ring	PTFE / Glassfilld	2
6	Gland Nut	304 / 316 / 316L	1
7	Seat	PTFE / Glassfilld	2
8	"O" Ring	PTFE / Glassfilld	2
9	Studs	304	4
10	Washers	304	8
11	Nuts	304	8
12	Handle	304	1
13	Dome Nut	304	1

Flanged Type 3 Way Ball Valve



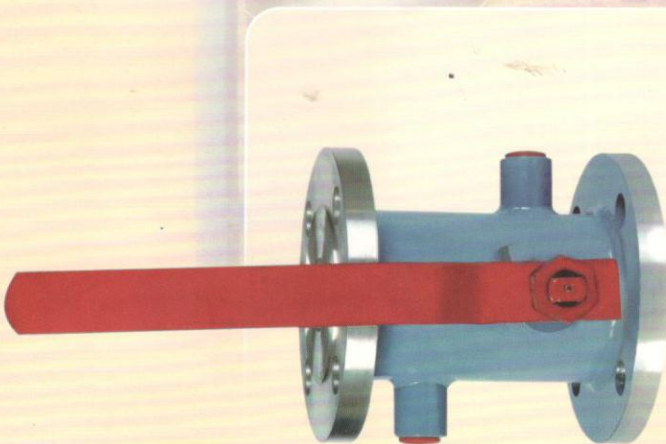
Dimensions

Size	F to F MM	Size	F to F MM
1/2"	152	2.1/2"	300
3/4"	160	3"	310
1"	165	4"	350
1.1/2"	215	6"	394
2"	250	8"	457

Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / C.I. / WCB	1
2	End Piece	304 / 316 / C.I. / WCB	3
3	Close Cover	304 / 316 / C.I. / WCB	1
4	Square Cover	304 / 316 / C.I. / WCB	1
5	Ball	304 / 316	1
6	Seat Ring	PTFE / Glassfild	4
7	"O" Ring	PTFE / Glassfild	4
8	Sq. Co. "O" Ring	PTFE / Glassfild	1
9	Gland Ring	PTFE / Glassfild	3
10	Gland Nut	304 / 316 / MS	1
11	Stud Nut	304 / MS	-
12	Handle	304 / MS	1
13	Handle Nut	304 / MS	1

Flanged Type JKTD Ball Valve



Material of Construction

No.	Description	Material	Qty.
1	Body	S.S. 304 / 316 / M.S.	1
2	Flange	S.S. 304 / 316 / M.S.	1
3	Ball	S.S. 304 / 316	1
4	Spindle	S.S. 304 / 316	1
5	Glant Nut	S.S. 304 / M.S.	1
6	Seat Ring	PTFE / GET / Carbon	2
7	Gland	PTFE / GET / Carbon	3
8	Jacket	S.S. 304 / 316 / M.S.	1
9	Coupling	S.S. 304 / 316 / M.S.	3
10	Handle	S.S. 304 / M.S.	1
11	Handle Nut	S.S. 304 / M.S.	2

Dimensions

Size	F to F	OD	ID	Thickness	RFD	PCD	Dia. of Bolt
1" x 1/2"	127	108.0	12.7	14.3	50.8	79.4	16 x 4
1.1/2" x 1"	165	127.0	25.0	17.5	73.0	98.4	16 x 4
2" x 1.1/2"	178	152.5	38.0	19.0	92.1	120.6	19 x 4
3" x 2"	203	190.5	50.0	23.8	127.0	152.4	19 x 4
4" x 3"	229	228.5	75.0	23.8	157.2	190.5	19 x 8

Ball Valve Automation System

For Clear Liquid / Water at 4 Bar Pressure



Single Piece Ball Valve Flange & with Actuator

Notes :

- (1) Torque is calculated based on normal temperature, with virgin PTFE seat for 150 Class.
- (2) Torque Specified in this table is to be used as a guide for actuator selection. A Safety factor of 1.3~1.5 is recommended for average services. 1.8~2 for abrasive media (or) slurry and 2~2.5 for cryogenic services.
- (3) 1.2~1.25 times extra to be considered for reinforced PTFE in place of before safety factor.
- (4) Torque may vary according to different medium, temp, and trim material.

Optional Accessories

- Limit Switch Box
- Solenoid Valve
- Clutching & Declutching Gear Box (Manual Override)
- Positioner

Dimensions

Suitable for Actuator

Size (Inch) FB Ball Valve	150 Class (10)	Double Acting Actuator	Single Acting Actuator
1/2"	3	EC - 32	EC - 40E
3/4"	5	EC - 40	EC - 50E
1"	7	EC - 40	EC - 50E
1.1/4"	12	EC - 50	EC - 63E
1.1/2"	15	EC - 63	EC - 80E
2"	26	EC - 63	EC - 90E
2.1/2"	35	EC - 80	EC - 100E
3"	50	EC - 90	EC - 100E
4"	80	EC - 100	EC - 125E
6"	170	EC - 150	ECF - 175E

- 1. N.M. = 8.85 Inch Pound
(Air Pressure required 4 to 5 bar)
- Bracket & Coupler Changes Extra
- Before select Actuator please inform your application detail.



Triclover with Actuator

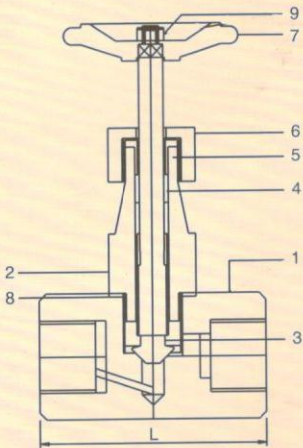


Butt-weld with Actuator



3 Piece Flange & with Actuator

Round / Square Body Screw End Middle Valve



Dimensions

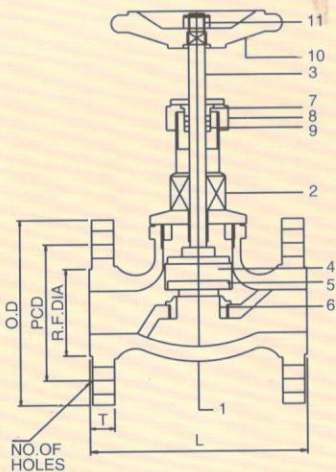
Size	F to F		OD	
	Round	Square	Round	Square
1/4"	52		28	
3/8"	52		28	
1/2"	58	65	32	35
3/4"	65	65	40	40
1"	70	75	45/50	48

Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / 316L	1
2	Gland Nut	304 / 316 / 316L	1
3	Spindle	304 / 316 / 316L	1
4	Teflon	PTFE	4
5	Glan	304 / 316 / 316L	1
6	Spindle Nut	304 / 316 / 316L	1
7	Wheel	Backlite	1
8	Gasket	PTFE	1
9	Wheel Nut	304	1

Flanged Type Gun Metal / S.S. 304 Globe Valve

For Steam Services



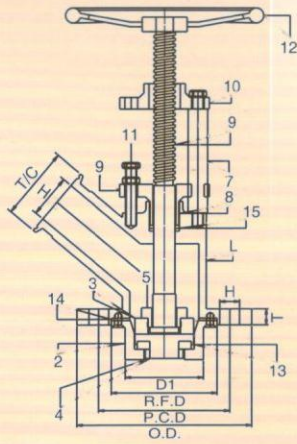
Dimensions

Size	F to F	OD	Thickness	RFD	PCD	Dia. of Bolt
1"	127	108.0	14.3	50.8	79.4	16 x 4
1.1/2"	165	127.0	17.5	73.0	98.4	16 x 4
2"	178	152.5	19.0	92.1	120.6	19 x 4
3"	203	190.5	23.8	127.0	152.4	19 x 4

Material of Construction

No.	Description	Material	Qty.
1	Body	GM / 304	1
2	Bonnet	GM / 304	1
3	Spindle	410 / 304	1
4	Disc	410 / 304	1
5	Disc Ring	PTFE	1
6	Seat	PTFE / 304	1
7	Gland	Gunmetal / 304	1
8	Gland Nut	Gunmetal / 304	1
9	Gland Ring	Gunmetal / PTFE	3
10	Wheel	Cast Iron	1
11	Wheel Nut	MS	1

'Y' Type Flush Bottom Tank Valve



Dimensions

Size	D1	OD	Thickness	RFD	PCD	Dia. of Bolt	Close	Open
4"x3"	115	228.6	23.8	157	190.5	19 x 8	425	525
3"x2. 1/2"	90	190.5	23.8	127	152.4	19 x 4	385	475
2. 1/2"x2"	78	177.8	22.2	105	139.7	19 x 4	350	430
2"x1. 1/2"	68	152.4	19	92	120.6	19 x 4	310	380
1. 1/2"x1"	50	127	17.5	73	98.4	17.5 x 4	280	340
1"x3/4"	42	107.9	14.3	50.8	79.4	15.9 x 4	260	310

Dimensions (End Connection)

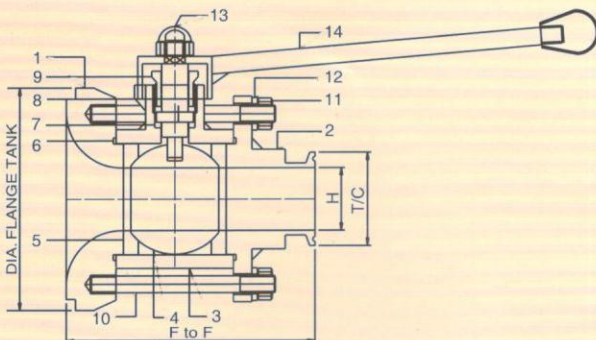
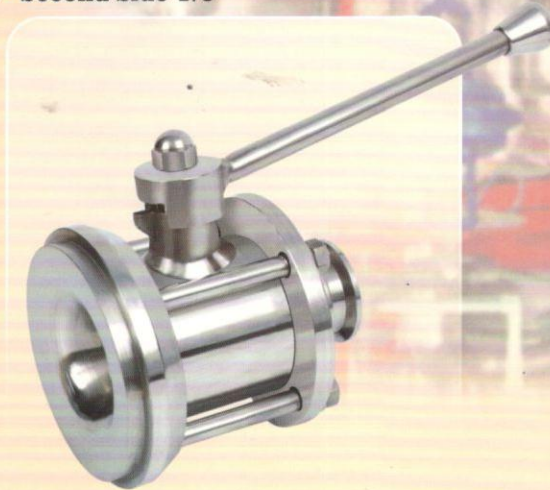
Size	H	T/C.
3"	72	90.6
2. 1/2"	62	77.4
2"	44	64
1. 1/2"	34	50.5
1"	25	50.5
3/4"	19	50.5

Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / 316L	01
2	Disc	304 / 316 / 316L	01
3	Valve	304 / 316 / 316L	01
4	Valve Screw	304 / 316 / 316L	01
5	Spindles Crew	304 / 316 / 316L	01
6	Spindle	304 / 316 / 316L	01
7	Spindle	304 / 316 / 316L	02
8	Glan	304 / 316 / 316L	01
9	Plate	304 / 316 / 316L	01
10	Plate	304 / 316 / 316L	01
11	Bolt / Nut	304	02
12	Wheel	304	01
13	Valve Seat	PTFE / Glassfild	01
14	Disc Seat	PTFE / Glassfild	01
15	Gland Ring	PTFE / Glassfild	03

Tank Valve

One Side Tank Valve - Second Side T/C



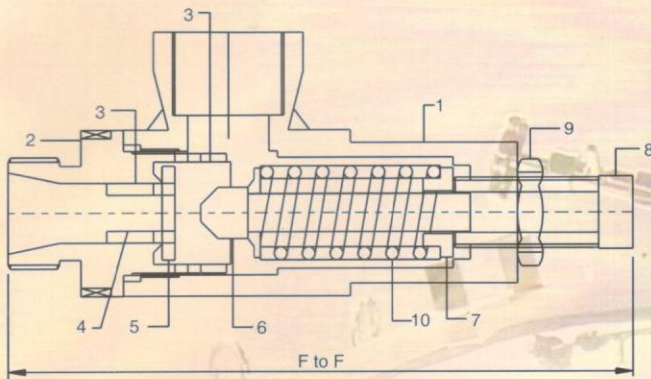
Dimensions

Size	Flange Dia.	Hole	T/C	F to F
1"	95	25	50.5	100
1. 1/2"	120	34	50.5	135
2"	142	44	64.0	146
2. 1/2"	170	62	77.4	166
3"	180	72	90.6	185

Material of Construction

No.	Description	Material	Qty.
1	Tank Flange	304 / 316 / 316L	1
2	End Piece	304 / 316 / 316L	1
3	Body	304 / 316 / 316L	1
4	Ball	304 / 316 / 316L	1
5	Seat	PTFE	2
6	"O" Ring	PTFE	2
7	Gland Ring	PTFE	2
8	Spindle	304 / 316 / 316L	1
9	Gland Nut	304 / 316 / 316L	1
10	Stud	304	4
11	Nut	304	4
12	Washer	304	4
13	Dome Nut	304	1
14	Handle	304	1

Safety Valve



Dimensions

Size	F to F
1/2"	140
3/4"	146
1"	185
1 1/2"	195

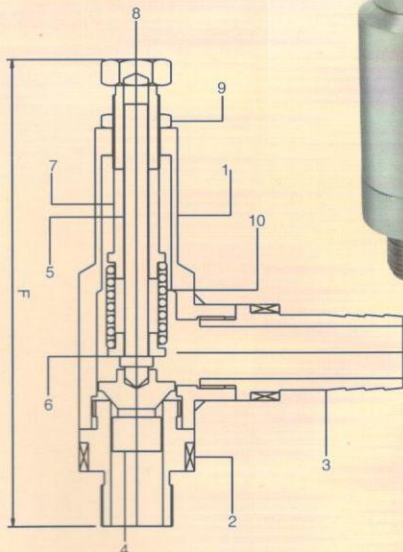
Air Test

Open	Close
3 Kg.	1.5 Kg.
6.8 Kg.	3.8 Kg.

Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / 316L	1
2	Bottom End Nut	304 / 316 / 316L	1
3	Bottom End	304 / 316 / 316L	1
4	Disc	304 / 316 / 316L	1
5	Seat	Nitrile / EPDM / Teflon	1
6	Spindle	304 / 316 / 316L	1
7	Spring Shaes	304 / 316 / 316L	2
8	Set Screw	304 / 316 / 316L	1
9	Nut	304 / 316 / 316L	1
10	Spring	304 / Spring Steel	1

Safety Valve with Nozzle



Dimensions

Size	F to F
1/2"	140
3/4"	146
1"	185
1.1/2"	195

Air Test

Open	Close
3 Kg.	2.75 Kg.

Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / 316L	1
2	Bottom End Nut	304 / 316 / 316L	1
3	Nozzle	304 / 316 / 316L	1
4	Valve	304 / 316 / 316L	1
5	Spindle	304 / 316 / 316L	1
6	Glan	304 / 316 / 316L	1
7	Glan	304 / 316 / 316L	1
8	Comparison Screw	304 / 316 / 316L	1
9	Set Screw	304 / 316 / 316L	1
10	Spring	304 / Spring Steel	1

Butterfly Valve Wafer Type Centre Disc



Dimensions

Size	F to F	OD
1. 1/2"	33	85
2"	43	91
2. 1/2"	46	111
3"	46	124
4"	52	162
5"	56	190
6"	56	219
8"	60	273
10"	68	337
12"	78	384

Material of Construction

No.	Description	Material	Qty.
1	Body	C.I/WCB/S.G.I/CF8/CF8M	1
2	Disc	C.I/WCB/S.G.I/CF8/CF8M/AB-2	1
3	Shaft	SS 410/SS 304/SS316/MONEL	1 / 2
4	Seat	NITRIL/EPDM/SILICONE/VITIOM/HYPLON	1
5	"O" Ring	NITRIL/EPDM/SILICONE/VITIOM/HYPLON	2
6	Scale Plate	M.S.FEBRICATED	1
7	FLow Control Level	M.S.FEBRICATED	1
8	Brg. Bush	G.M./BRONGE/POLYACETEL/PTFE/GF-PTFE/G.F.T/SS 304/316	2

Side Glass Valve Screw end

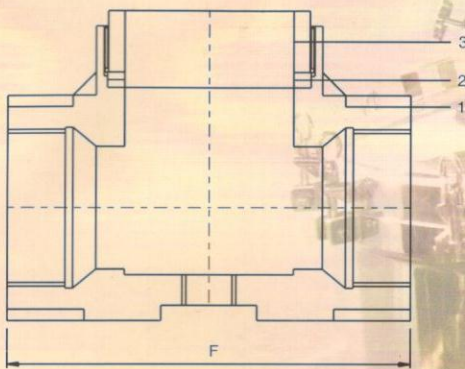


Dimensions

Size	F to F	OD
1"	80	50
1.1/4"	105	60

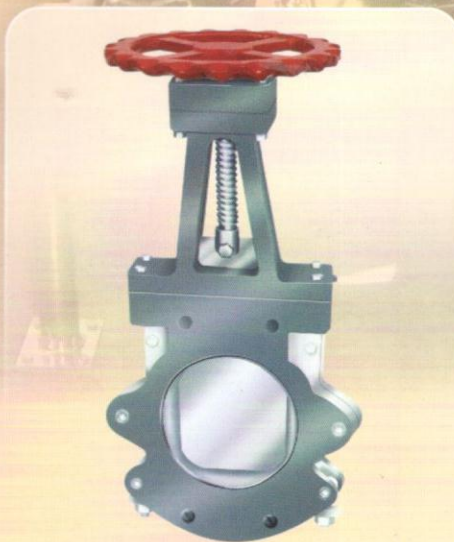
Material of Construction

No.	Description	Material	Qty.
1	Body	304 / 316 / 316L	1
2	Gland Ring	PTFE	2
3	End Nut	304 / 316 / 316L	1



Manual Pulp Valve

For Sugar & Pulp Industry



Material of Construction

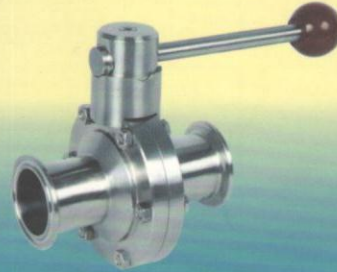
No.	Description	Material	Qty.
1	Body	C.I./304	1
2	Bonnet	C.I./304	1
3	Gland	C.I./304	1
4	Spindle	410 / 304	1
5	Bush	Gun Metal	1
6	Wheel	C.I.	1
7	Plate	304	1

Dimensions

Size		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R1	R2	R	S	T	U	V	S1
In.	MM.																									
2"	50	44	119	93	50	2.5	13	53	26	19	36.5	106	118	90	47	92	114	86	11.5	15	79	12	11	35	90	12
3"	75	55	140	125	75	2.5	11	80	26	23	28	135	146	98	48	98	146	118	11	16	96	12	13	64	128	12
4"	100	72	161	138	100	2.5	12	105	30	26	36	160	192	115	55	117	162	132	11.5	15	113	15	14	75	146	15
5"	125	80	184	170	125	2.5	12	130	33	26	23	193	209	120	58	119	186	155	12	14	123	16	16	101	169	16
6"	150	92	210	189	150	3.5	13.5	155	31	31	23	215	240	137	82	138	218	170	16	22	140	19	19	135	185	19
8"	200	112	261	256	200	3.5	14	208	31	31	31	270	290	166	106	165	292	180	16	25	167	20	20	185	200	20

products
other products

Butterfly Triclover



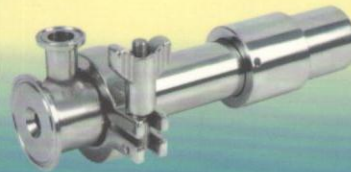
Flange end Middle Valve



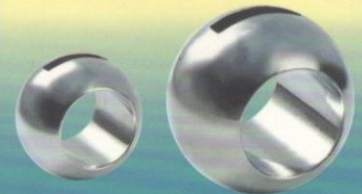
Triclover Middle Valve



Sanitary Safety Valve



S.S. Ball
Inside Mirror Finished



Triclover Liner with
Clamp & Gasket



Flange, "I" Bolt, Wingnut
Ferrule Coupling, T Piece,
Dome nut, Tapper nut



SHAKTI

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