



TRADEANANTA

We Exchange Trust



All type of Industrial Valve

www.tradeananta.com

FLANGE DRILLING TABLE

VALVE SIZE		ANSI 150					ANSI 300					VALVE SIZE		As Per IS 1538 (Part IV) - 1976			
		No. of Holes	Holes Dia	P.C.D.	Flange O.D.	R.F. Dia	No. of Holes	Holes Dia	P.C.D.	Flange O.D.	R.F. Dia			No. of Holes	Holes Dia	P.C.D.	Flange O.D.
INCH	M.M.											INCH	M.M.				
1 / 2"	15	4	16	60	89	35	4	16	67	95	35	2"	50	4	19	125	165
3 / 4"	20	4	16	70	98	43	4	19	83	117	43	2½"	65	4	19	145	185
1"	25	4	16	79	108	51	4	19	89	124	51	3"	80	4	19	160	200
1¼"	32	4	16	89	117	64	4	19	98	133	64	4"	100	8	19	180	220
1½"	40	4	16	98	127	73	4	19	114	156	73	5"	125	8	19	210	250
2"	50	4	19	121	152	92	8	22	127	165	92	6"	150	8	23	240	285
2½"	65	4	19	140	178	105	8	22	149	191	105	8"	200	8	23	295	340
3"	80	4	19	152	191	127	8	22	168	210	127	10"	250	12	23	350	395
4"	100	8	19	191	229	157	8	22	200	254	157	12"	300	12	23	400	445
5"	125	8	22	216	254	166	8	22	235	279	186	14"	350	16	23	450	505
6"	150	8	22	241	279	216	12	22	270	318	216	16"	400	16	28	515	565
8"	200	8	22	298	343	270	12	25	330	381	270	18"	450	20	28	565	615
10"	250	12	25	362	406	324	16	29	387	445	324	20"	500	20	28	620	670
12"	300	12	25	432	483	381	16	32	451	521	381	24"	600	20	31	725	780
14"	350	12	29	476	533	413	20	32	514	584	413	28"	700	24	31	840	895
16"	400	16	29	540	597	470	20	35	571	648	470	30"	750	24	31	900	960
18"	450	16	32	578	635	533	24	35	629	711	533	32"	800	24	34	950	1015
20"	500	20	32	635	699	584	24	35	686	775	584						
24"	600	20	32	749	813	692	24	41	812	914	692						

VALVE SIZE		BS 10 D Table				BS 10 E Table				BS 10 F Table				BS 10 H Table				
		No. of Holes	Holes Dia	P.C.D.	Flange O.D.	No. of Holes	Holes Dia	P.C.D.	Flange O.D.	No. of Holes	Holes Dia	P.C.D.	Flange O.D.	No. of Holes	Holes Dia	P.C.D.	Flange O.D.	R.F. Dia
INCH	M.M.																	
1 / 2"	15	4	14	68	95	4	14	67	95	4	14	67	95	4	17	83	114	57
3 / 4"	20	4	14	73	102	4	14	73	102	4	14	73	102	4	17	83	114	57
1"	25	4	14	83	114	4	14	83	114	4	17	87	121	4	17	87	121	64
1¼"	32	4	14	87	121	4	14	87	121	4	17	98	133	4	17	98	133	76
1½"	40	4	14	98	133	4	14	98	133	4	17	105	140	4	17	105	140	83
2"	50	4	17	114	152	4	17	114	152	4	17	127	165	4	17	127	165	102
2½"	65	4	17	127	165	4	17	127	165	8	17	146	184	8	17	146	184	114
3"	80	4	17	146	184	4	17	146	184	8	17	165	203	8	17	165	203	127
4"	100	4	17	178	216	8	17	178	216	8	17	191	229	8	17	191	229	152
5"	125	8	17	210	254	8	17	210	254	8	22	235	279	8	22	235	279	178
6"	150	8	17	235	279	8	22	235	279	12	22	260	305	12	22	260	305	210
8"	200	8	17	292	337	8	22	292	337	12	22	324	368	12	22	324	368	260
10"	250	8	22	356	406	12	22	356	406	12	25	381	432	12	25	381	432	311
12"	300	12	322	406	457	12	25	406	457	16	25	438	489	16	25	438	489	362
14"	350	12	25	470	527	12	25	470	527	16	29	495	552	16	29	495	552	419
16"	400	12	25	521	578	12	25	521	578	20	29	552	610	20	29	552	610	483
18"	450	12	25	584	641	16	25	584	641	20	32	610	673	20	32	610	673	533
20"	500	16	25	642	705	16	25	642	705	24	32	673	737	24	32	673	737	597
24"	600	16	29	756	826	16	32	756	826	24	35	781	851	24	35	781	851	699

VALVE SIZE		BS 4505 Table 10					BS 4505 Table 16					BS 4505 Table 25					BS 4505 Table 40				
		No. of Holes	Holes Dia	P.C.D.	Flange O.D.	R.F. Dia	No. of Holes	Holes Dia	P.C.D.	Flange O.D.	R.F. Dia	No. of Holes	Holes Dia	P.C.D.	Flange O.D.	R.F. Dia	No. of Holes	Holes Dia	P.C.D.	Flange O.D.	R.F. Dia
INCH	M.M.																				
1 / 2"	15	4	14	65	95	45	4	14	65	95	45	4	14	65	95	45	4	14	65	95	45
3 / 4"	20	4	14	75	105	58	4	14	75	105	58	4	14	75	105	58	4	14	75	105	58
1"	25	4	14	85	115	68	4	14	85	115	68	4	14	85	115	68	4	14	85	115	68
1¼"	32	4	18	100	140	78	4	18	100	140	78	4	18	100	140	78	4	18	100	140	78
1½"	40	4	18	110	150	88	4	18	110	150	88	4	18	110	150	88	4	18	110	150	88
2"	50	4	18	125	165	102	4	18	125	165	102	4	18	125	165	102	4	18	125	165	102
2½"	65	4	18	145	185	122	4	18	145	185	122	8	18	145	185	122	8	18	145	185	122
3"	80	8	18	160	200	138	8	18	160	200	138	8	18	160	200	138	8	18	160	200	138
4"	100	8	18	180	220	158	8	18	180	220	158	8	22	190	235	162	8	22	190	235	162
5"	125	8	18	210	250	188	8	18	210	250	188	8	26	220	270	188	8	26	220	270	188
6"	150	8	22	240	285	212	8	22	240	285	212	8	26	250	300	218	8	26	250	300	218
8"	200	8	22	295	340	268	12	22	295	340	268	12	26	310	360	278	12	30	320	375	285
10"	250	12	22	350	395	320	12	26	355	405	320	12	30	370	425	335	12	33	385	450	345
12"	300	12	22	400	445	370	12	26	410	460	378	16	30	430	485	395	16	33	450	515	410
14"	350	16	22	460	505	430	16	26	470	520	438	16	33	490	555	450	16	36	510	580	465
16"	400	16	26	515	565	482	16	30	525	580	490	16	36	550	620	505	16	39	585	660	535
18"	450	20	26	565	615	532	20	30	585	640	550	20	36	600	670	555	20	39	610	685	560
20"	500	20	26	620	670	585	20	33	650	715	610	20	36	660	730	615	20	42	670	755	615
24"	600	20	30	725	780	685	20	36	770	840	725	20	39	770	845	720	20	48	795	890	735

I.C. BALL VALVE SCREWED END: (SINGLE PIECE DESIGN)



TRADEANANTA

We Exchange Trust

Technical Data

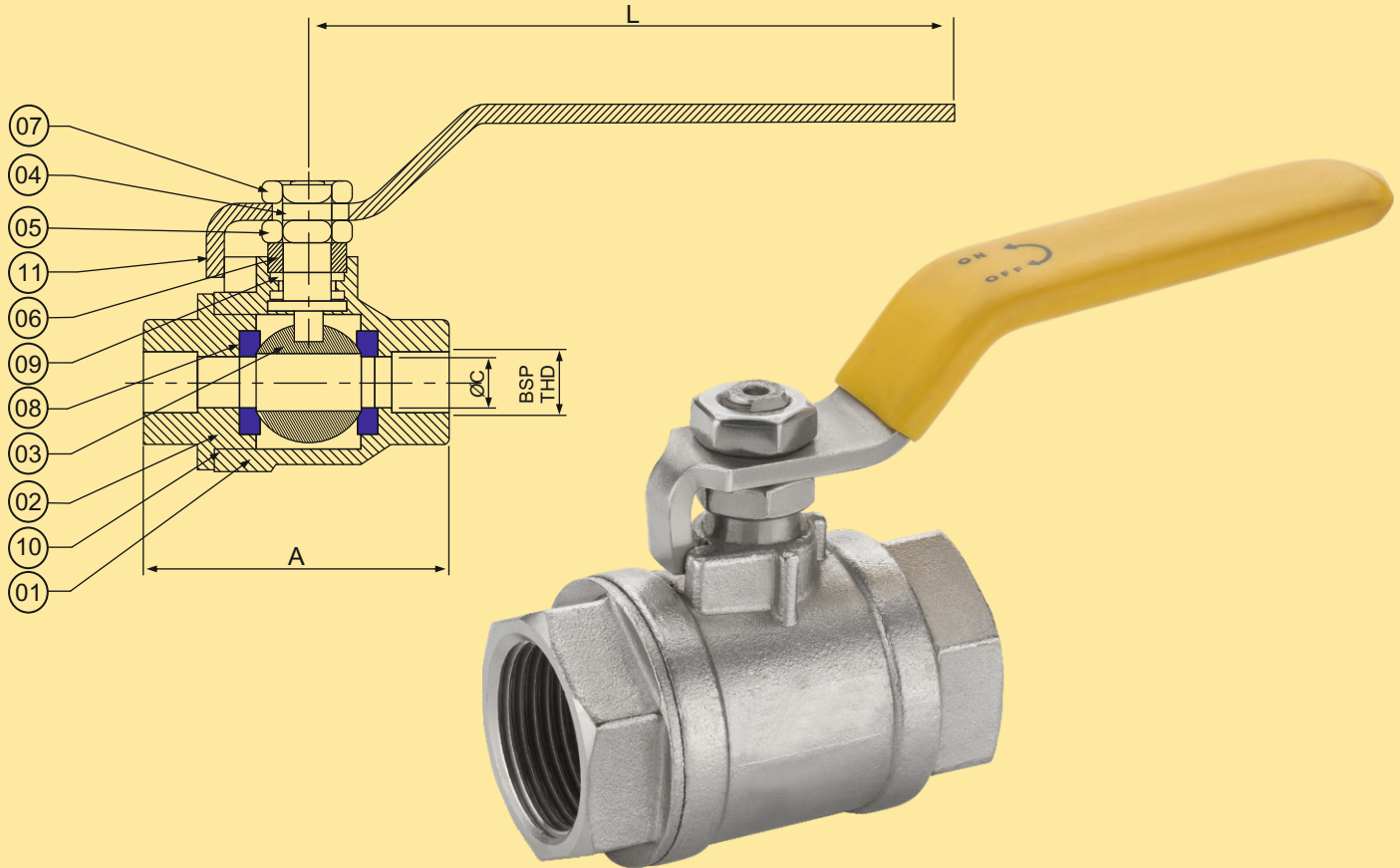
Design & Manufacturing Std : BS 5351

Testing & inspection Std : API 598/BS 5146

End Connections : Screwed : BSP / NPT / BSPT

Socket Weld End To : ANSI B 16.11

DRAWING



SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	ASTM 351 GR. CF8 / CF8M etc.	1
02	Body Connector	ASTMA 351 GR.CF8 / CF8M etc.	1
03	Ball	ASI 304 / 316 etc.	1
04	Stem	ASI 304 / 316 etc.	1
05	Gland	ASI 304 / 316 etc.	1
06	Steam Seals	PTFE / GFT	2
07	Handle Nut	S.S. 202 / 304 / 316	1
08	Ball Seal	PTFE / GFT	1
09	Gland Packing	PTFE / GFT	2
10	Body Joint	S.S. 304 / 316	1
11	Lever	S.S. 202 etc.	

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	150 PSI	425 PSI	300 PSI	180 C
Air Test - Seat 80 PSI ± 10 PSI				

SIZE		A	ØC	L	THRS. (BSP / NPT)
INCH	M.M.				
1 / 4"	8	53	10	105	1 / 4"
3 / 8"	10	53	10	105	3 / 8"
1 / 2"	15	61.5	12.5	105	1 / 2"
3 / 4"	20	67	19	105	3 / 4"
1"	25	77	25	125	1"
1 1/4"	32	91.5	32	155	1 1/4"
1 1/2"	40	98.5	38	167	1 1/2"
2"	50	115	50	195	2"
2 1/2"	65	141.5	63	239	2 1/2"
3"	80	158	75	239	3"
4"	100	180	98	325.5	4"

*All dimensions are in Difference ± 2 mm All dimensions are in MM

Application :



I.C. BALL VALVE SCREWED END: (THREE PIECE DESIGN)



TRADEANANTA

We Exchange Trust

Technical Data

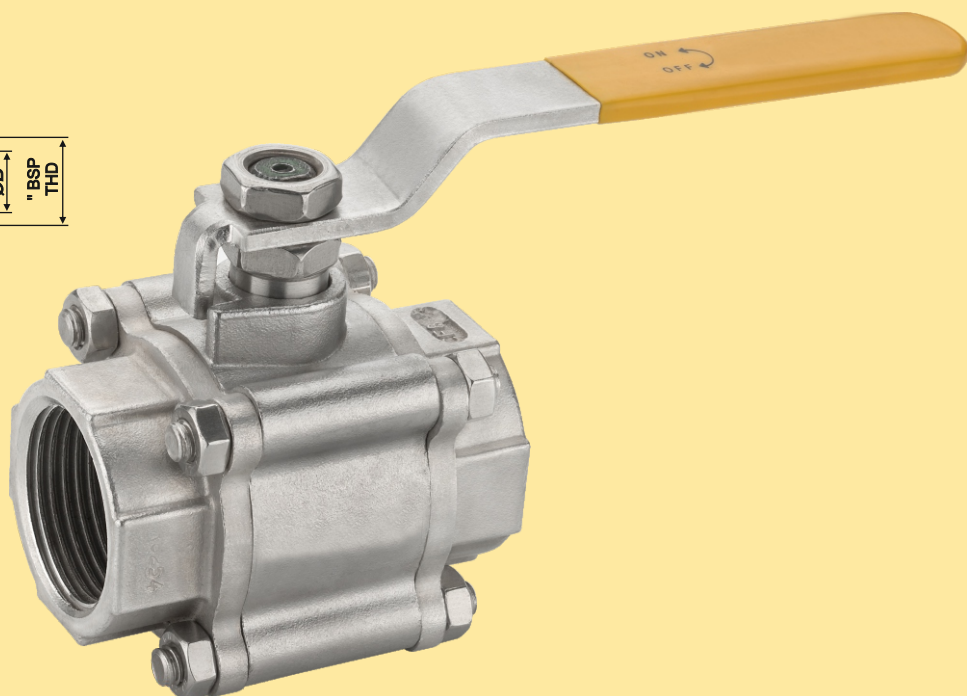
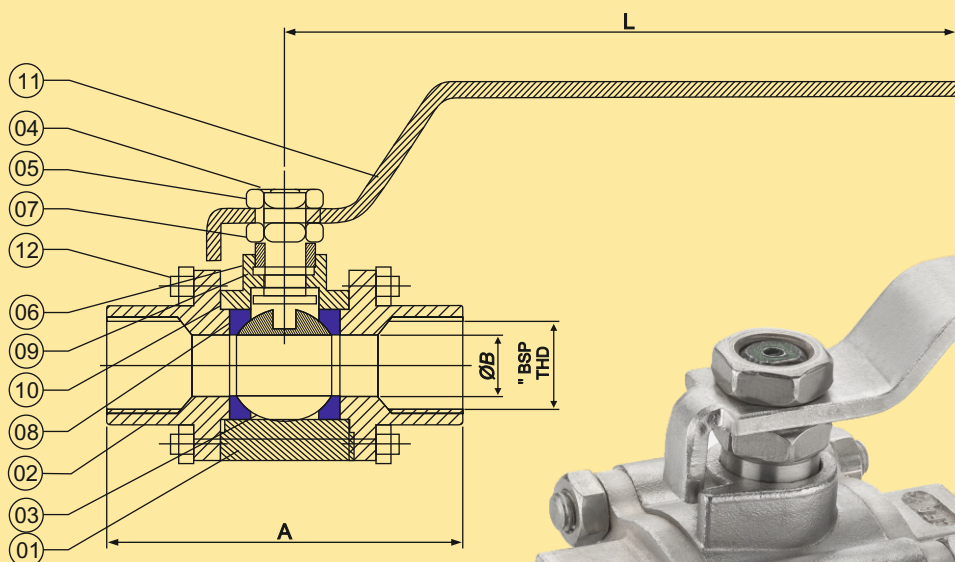
Design & Manufacturing Std : BS 5351 / API 602

Testing & Inspection Std : API 598 / BS 5146

End Connection : BSP / BSPT / NPT, Socket Weld

Socket Weld End to : ANSI B 16.11

DRAWING



SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	ASTM A 351 Gr. CF8 / CF8M	1
02	Body Connector	ASTM A 351 Gr. CF8 / CF8M	1
03	Ball	-Do- / AISI 304/316	1
04	Stem	AISI 304/316	1
05	Gland Nut	AISI 304/316	1
06	Gland Bush	AISI 304/316/304/316L	2
07	Lock Nut	AISI 304/316/304/316L	1
08	Seat Ring	PTFE / GFT	1
09	Stem Seal	PTFE / GFT	2
10	Body Sealant Ring	PTFE / GFT	1
11	Lever	S.S. 202 / 304 / 316	1
12	Stud & Nuts	S.S. 202 / 304 / 316	1

SIZE		A	ØC	L	THRDS. (BSP / NPT)
INCH	M.M.				
1 / 2"	15	77	12.5	120	1 / 2"
3 / 4"	20	85	19	120	3 / 4"
1"	25	89	25	143	1"
1 1/2"	40	99	38	196	1 1/2"
2"	50	121	50	230	2"

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	150 PSI	425 PSI	300 PSI	180 C

Air Test - Seat 80 PSI ± 10 PSI

*All dimensions are in Difference ± 2 mm All dimensions are in MM

Application :



I.C. BALL VALVE FLANGE END : (THREE PIECE DESIGN)

Technical Data

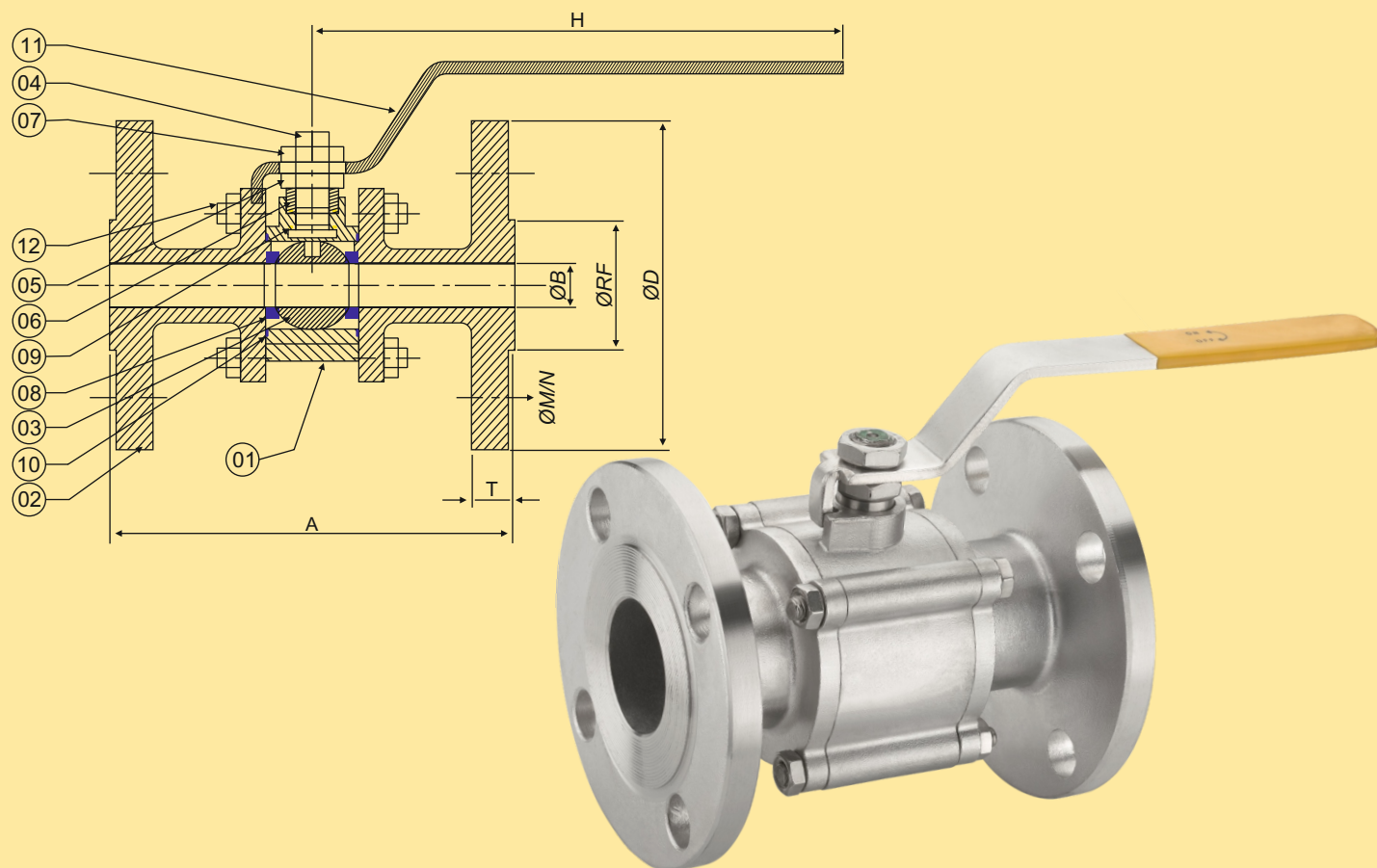
Design & Manufacturing Std : BS 5351 / API 6D
Testing & Inspection Std : API 598 / BS 5146
Face To Face : As per ANSI B 16.11
End Connections : Flanged as per ANSI B 16.5



TRADEANANTA

We Exchange Trust

DRAWING



We Have Square Body Design Valves upto 2",
2" Above Round Body Design Available

SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	ASTM A 351 Gr. CF8 / CF8M	1
02	Body Connector	ASTM A 351 GR. CF8 / CF8M	2
03	Ball	-Do-/AISI 304 / 316	1
04	Stem	AISI 304 / 316	1
05	Gland Nut	AISI 304 / 316	1
06	Gland Bush	AISI 304 / 316	1
07	Lock Nut	AISI 202 / 304 / 316	1
08	Seat Ring	PTFE / GFT	2
09	Stem Seal	PTFE / GFT	2
10	Body Sealant Ring	PTFE / GFT	2
11	Lever	S.S. 202 / 304 / 316	1
12	Stud & Nuts	S.S. 202 / 304 / 316	-

CLASS 150#									
SIZE NB	A	ØB	ØD	RF	PCD	T	H	ØM	MN
15	108	13	89	35	60.5	11	115	16	4
20	117	19	97	43	70	11	160	16	4
25	127	25	107.5	51	79.5	12	160	16	4
40	165	38	125	73	98.5	14.5	225	16	4
50	178	50	152	92	121	15.2	225	19	4
65	190	63	175	105	140	16	310	19	4
80	203	74.5	189	127	152.5	17.2	310	19	4
100	229	100	227	157	190.5	19	345	19	8
150	267	150	279	216	241	27	630	22	8

*All dimensions are in Difference ± 2 mm

All dimensions are in MM

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	150 PSI	425 PSI	300 PSI	180°C
Air Test - Seat 80 PSI ± 10 PSI				

Application :



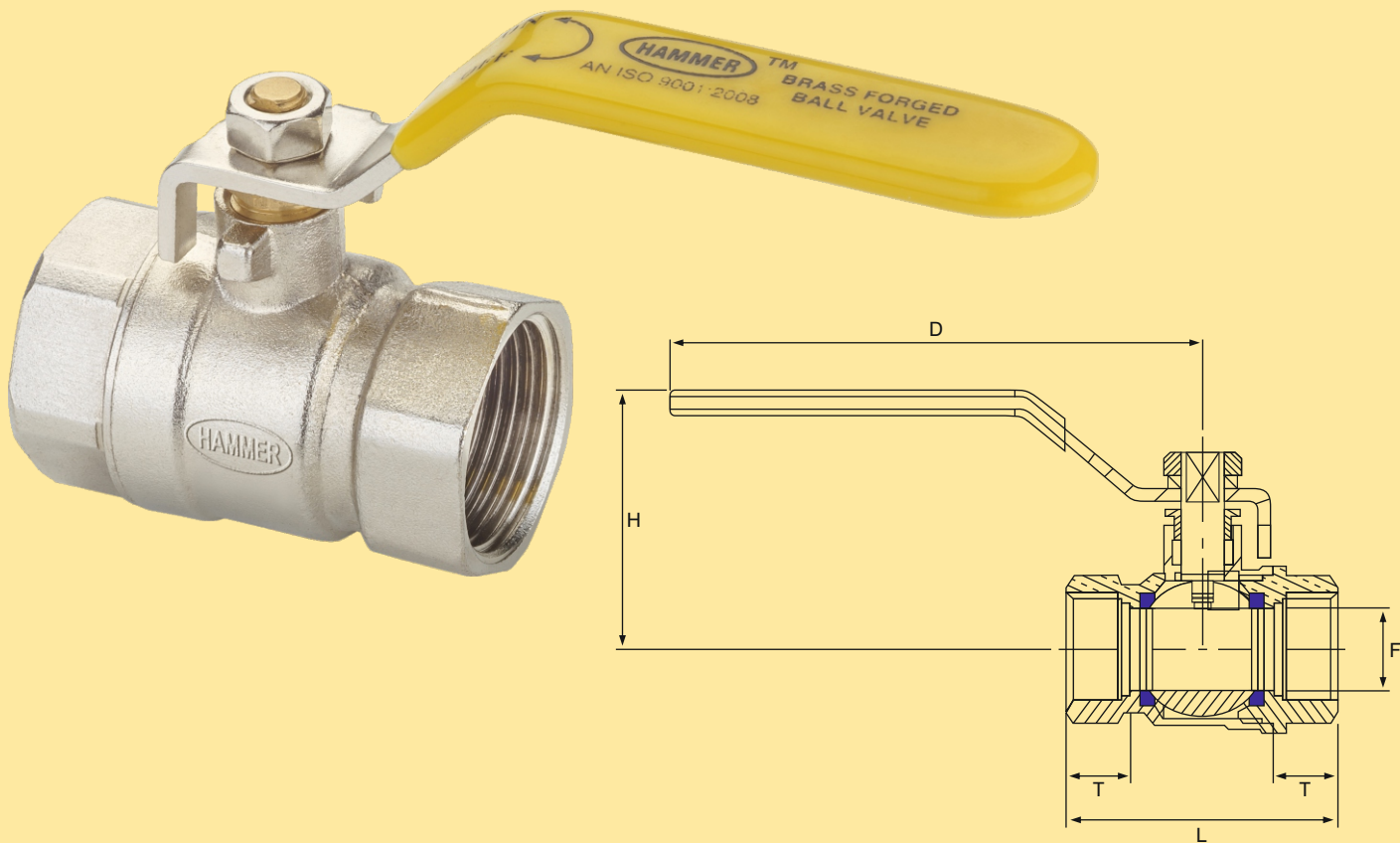
PN 40 / FORGED BRASS FULL BORE BALL VALVE

This kind of ball valve can be used in equipment or pipe system to open or shut the passageway for controlling the flow of medium.

Technical Data

End Connection : Screwed BSP

DRAWING



PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	150 PSIG	300 Lbs. Hyd.	150 Lbs. Hyd.	110°C
Air Test - Seat 80 PSI ± 10 PSIG				

Inch	M.M.	F	H	D	L	T
1 / 4"	8	10	40	89	40	9.5
3 / 8"	10	10	41	89	40	9.5
1 / 2"	15	15	48	98.5	50	11.5
3 / 4"	20	20	52.5	98.5	54.5	12
1"	25	25	63	125	66	14.5
1 1/4"	32	32	74.5	140	75	15.5
1 1/2"	40	40	83	140	91	17.5
2"	50	50	92.5	165	103	18

All dimensions are in MM *All dimensions are in Difference ± 2 mm

Application :

WATER

OIL

AIR

GASES

DISC CHECK VALVE (DCV) : NON RETURN VALVE

Technical Data

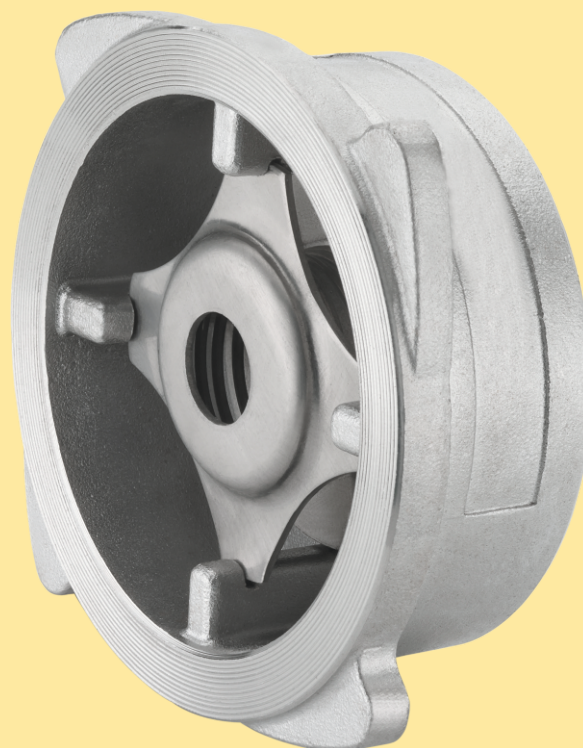
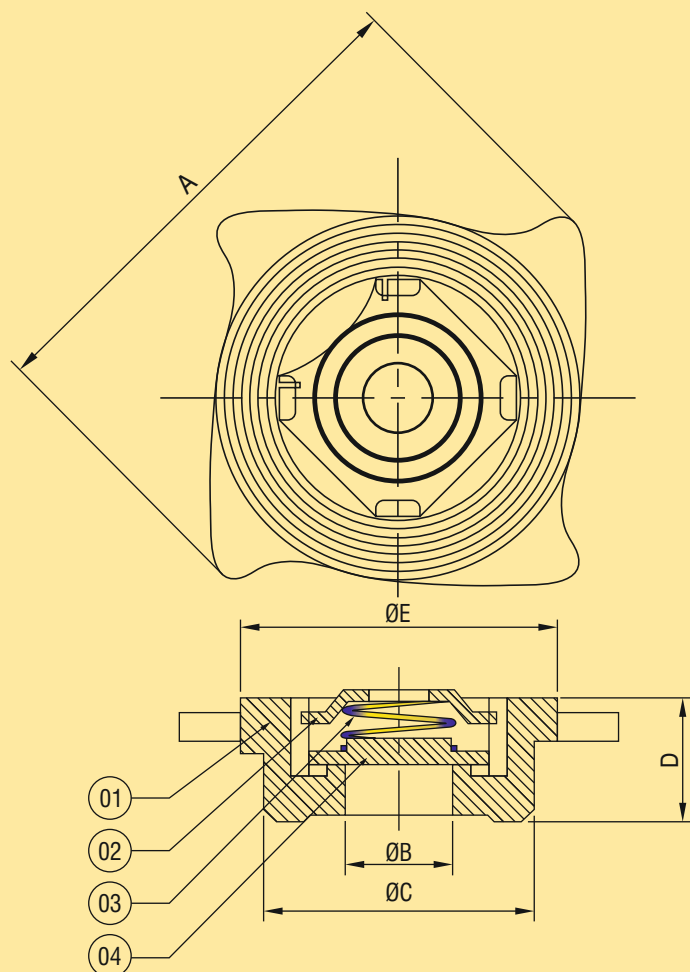
Design & Manufacturing Std. : API 6D / ANSI B 16.34
Testing & Inspection Std. : API 598
Pressure Class : PN 40



TRADEANANTA

We Exchange Trust

DRAWING



SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	ASTM A 351 Gr. CF8 / CF8M	1
02	Spring	S.S. 316	1
03	Lock Plate	S.S. 316	1
04	Cover Plate	ASTM A 351 Gr. CF8 / CF8M	1

Cracking Sprig Pressure (Closure Plate Opening Pressure) 700 m/bars

Can be used with Flange Tables

ANSI 150# / Bs10

SIZE NB	A	ØB	ØC	D	ØE
15	61	15	37	16	45.5
20	71	20.5	44	19	51.5
25	83	25	55	22	63
40	101	40	77	31	83.5
50	125	50	92	39.5	103.5
65	142	65.5	105.5	45.5	115
80	152.5	80	119.5	51	132
100	183	100	139	59	154
125	217	124.5	169.5	88.5	185.5
150	255	149	203.5	104	214

*All dimensions are in Difference $\pm$ 2 mm

All dimensions are in M. M.

Application :



WAFER CHECK VALVE (NRV) :

Technical Data

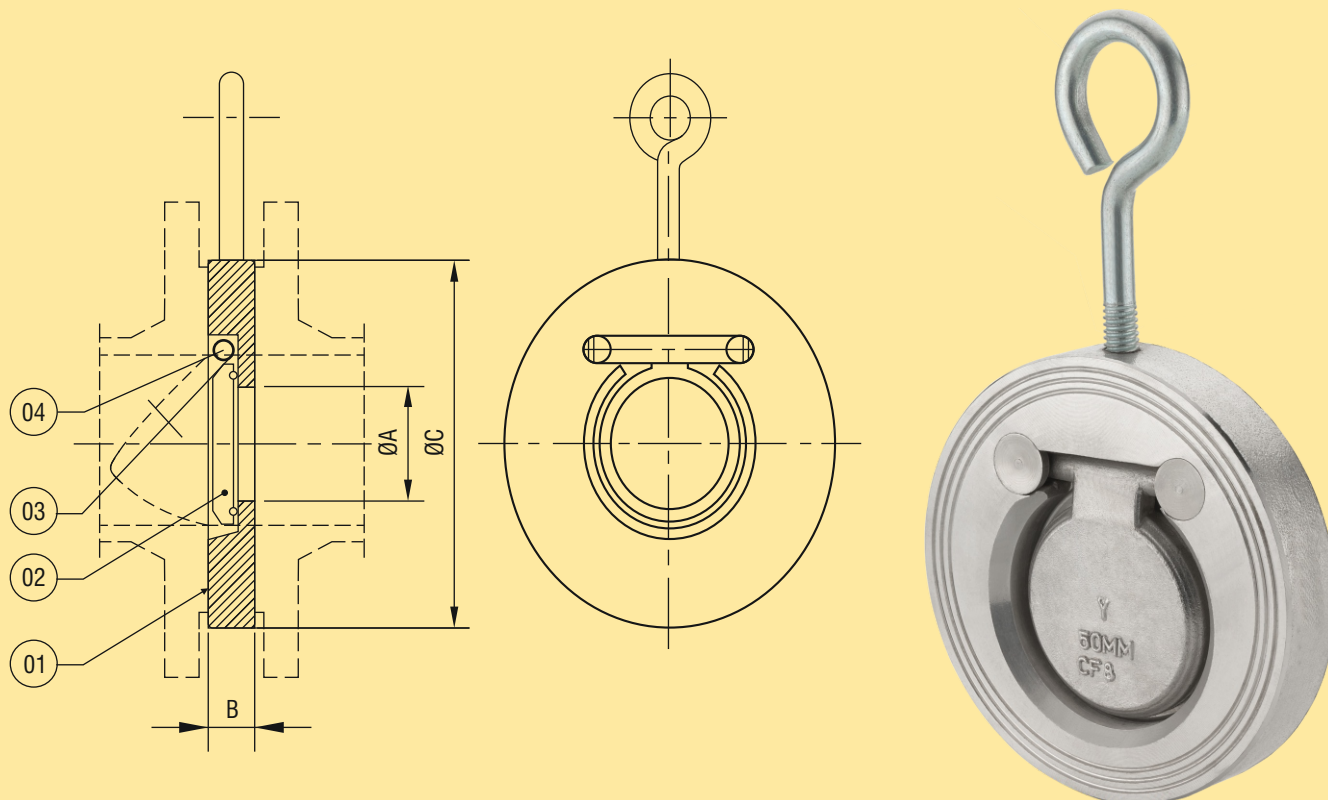
Design & Manufacturing Std.	: API 6D / ANSI B 16.34
Testing & Inspection Std.	: API 598
Pressure Class	: PN 16 / PN 25 / PN 40



TRADEANANTA

We Exchange Trust

DRAWING



SIZE		Dimension (SS)			ØC	Dimension (C.I.)			ØC
INCH	M.M.	ØA	B	"E"		ØA	B	"E"	
1"	25	14	15	60.5		-	-	-	
1½"	40	22.5	16.5	82		21	19	84	
2"	50	31.5	17	96		28	19	96	
2½"	65	41.5	17.5	109.3		38	19	108	
3"	80	52	17.5	127		49	19	128	
4"	100	71.5	17.5	160		70	20	160	
5"	125	91.5	17.5	190		89	20	192	
6"	150	114.5	17.5	213.5		105	20	214	
8"	200	-	-	-		156	25	270	

SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	S.S. 304/316	1
02	Disc	S.S. 304/316	1
03	'O' Ring	PTFE	1
04	Hinge	AISI 304, 316	1

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE	
		BODY	SEAT
150	150 PSI	225 PSIG	150 PSIG

All dimensions are in M. M.

*All dimensions are in Difference $\pm$ 2 mm

Application :



DOUBLE WINDOW SIGHT GLASS :

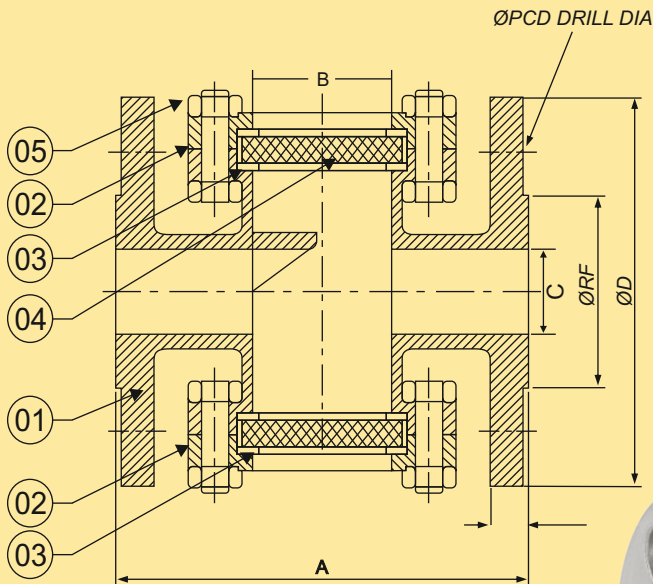
Technical Data

Face to Face : As per Standard Length
End Connection : Flange Ends 150#
Pressure Rating : PN25



TRADEANANTA
We Exchange Trust

DRAWING



SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	CF8 (S.S.304) / CF8M (S.S. 316)	1
02	Top & Bottom Flange	CF8 (S.S. 304) / CF8M (S.S. 316)	2
03	Seat Ring	PTFE	2+2
04	Glass	Toughened Borosilicate	2
05	Studs & Nut	S.S. 304 / 316.	4+4

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE	
		BODY	SEAT
150	150 PSI	225 PSIG	150 PSIG

CLASS 150#									
SIZE	A	ØB	ØC	ØD	T	ØRF	PCD	Holes	Drill Dia
25	126	43	24.5	105.5	12.5	48	79.5	4	16
40	165	50	38	125.5	15.5	70.5	98.5	4	16
50	178.5	50	50	150.5	16.5	90	121	4	19
80	204	85	75.5	189	19	123	152.5	4	20
100	231	85	100	227	23	153.5	190.5	8	22

(All dimensions are in mm. Range thickness including RF of 1.5mm thickness)
*All dimensions are in Difference $\pm$ 2 mm

Application :



FULL VIEW SIGHT GLASS :

Technical Data

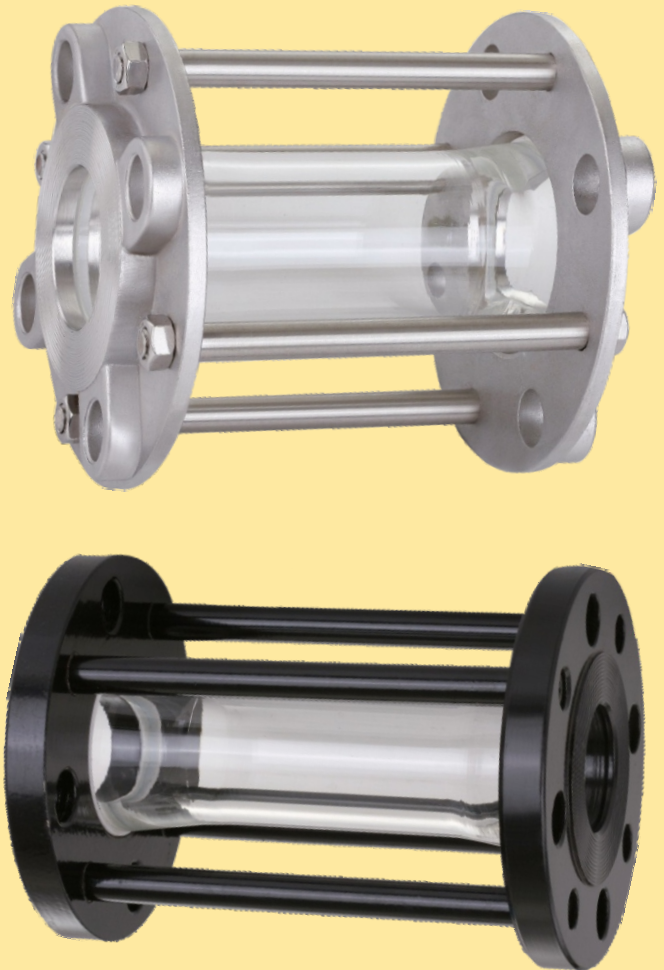
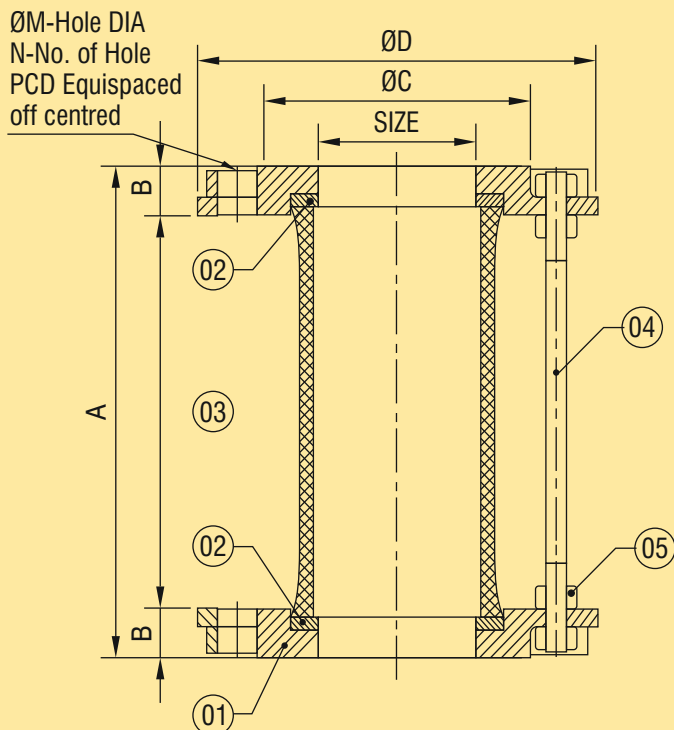
Face to Face : As per Standard Length
End Connection : Flange Ends 150#
Pressure Rating : PN10



TRADEANANTA

We Exchange Trust

DRAWING



M.S. SIGHT GLASS VALVE DIMENSION

DIMENSIONAL DETAILS AS PER 150#							
SIZE NB	A (6")	A (4")	B	ØC	ØD	ØM	PCD
25	170	121	12.5	50	110	15	78.5
40	170	121	15	70	127	15.5	97
50	170	121	17	88	153	19	119
65	170	121	19	104	178	19	140
80	170	121	20	124	187	19	150
100	170	121	24	155	290	19	189

(All dimensions are in mm. Flange thickness including RF of 1.5mm thickness)
M.S & S.S Barstock Material Also Available.

SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Flange	S.S. 304 / S.S. 316/MS	2
02	Gasket	PTFE	2
03	Glass Tube	Buttress Borosilicate	1
04	Stud	S.S. 304 / 316 / MS / SS202	4
05	Nut	S.S. 202 / 304 / 316 / MS / SS202	8

S.S. SIGHT GLASS VALVE DIMENSION

(SS304 / SS316)

DIMENSIONAL DETAILS AS PER 150#								
SIZE NB	A (6")	A (4")	B	ØC	ØD	ØM	N	PCD
25	170	121	19	50	107.5	16	04	78.5
40	170	121	19	68.5	126	16	04	97
50	170	121	19	88	152	19	04	119
65	170	121	19	104	175	19	04	140
80	170	121	19	124	189	19	04	150
100	178	121	21	150	226	19	08	189

*All dimensions are in Difference ± 2 mm

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE	
		SEAT	GLASS
150	150 PSI	225 PSIG	150 PSIG

Application :



C.I. BALL VALVE SINGLE PIECE, SCREWED END



TRADEANANTA

We Exchange Trust

Technical Data

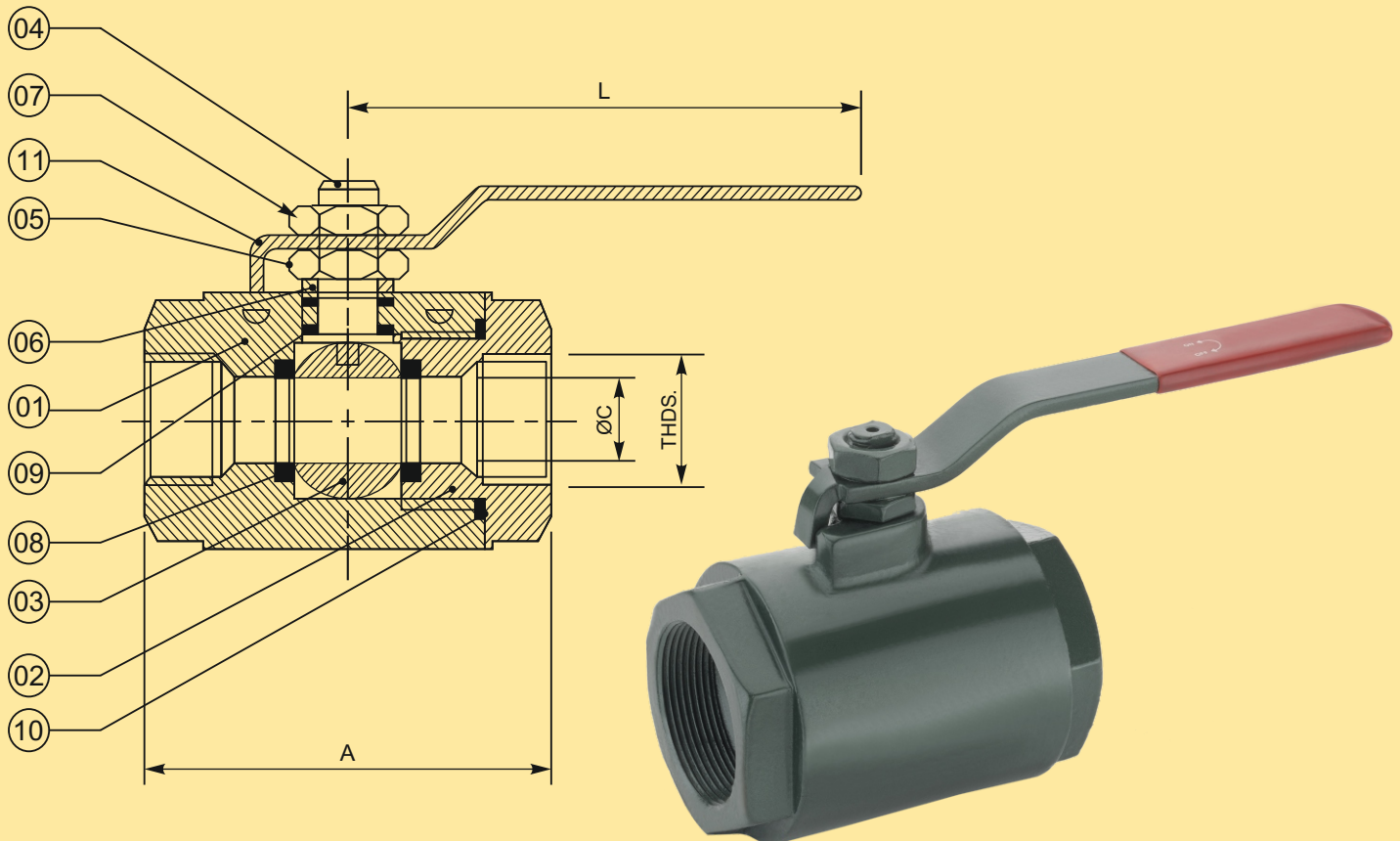
Design & Manufacturing Std : BS 5351

Testing & Inspection Std : API 598 / BS 5146

Face To Face : As per ANSI B 16.10

End Connections : Screwed : BSP / BSPT / NPT

DRAWING



SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	C.I.	1
02	Body Connector	C.I.	1
03	Ball	S.S. 202	1
04	Stem	S.S. 202	1
05	Gland Nut	M.S.	1
06	Gland Bush	M.S.	1
07	Lock Nut	M.S.	1
08	Seat Ring	PTFE / GFT	2
09	Stem Seal	PTFE	2
10	Body Sealant Ring	PTFE	1
11	Lever	M.S.	1

SIZE		A	ØC	L	THDS.
INCH	M.M.				
1 / 2"	15	72	13	115	1 / 2"
3 / 4"	20	79	19	118	3 / 4"
1"	25	87	26	128	1"
1 1/4"	32	99	32	165	1 1/4"
1 1/2"	40	114	39	165	1 1/2"
2"	50	125	50	177	2"
2 1/2"	65	154	65	230	2 1/2"
3"	80	167	75	230	3"
4"	100	212	101	268	4"

*All dimensions are in Difference ± 2 mm

All dimensions are in MM

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE	
		BODY	SEAT
150	150 PSIG	425 PSIG	300 PSIG

Air Test - Seat 80 PSI $\pm$ 10 PSIG

Pressure in CI Material is 215 PSIG only

Application :



C.I. BALL VALVE THREE PIECE, FLANGE END

Technical Data

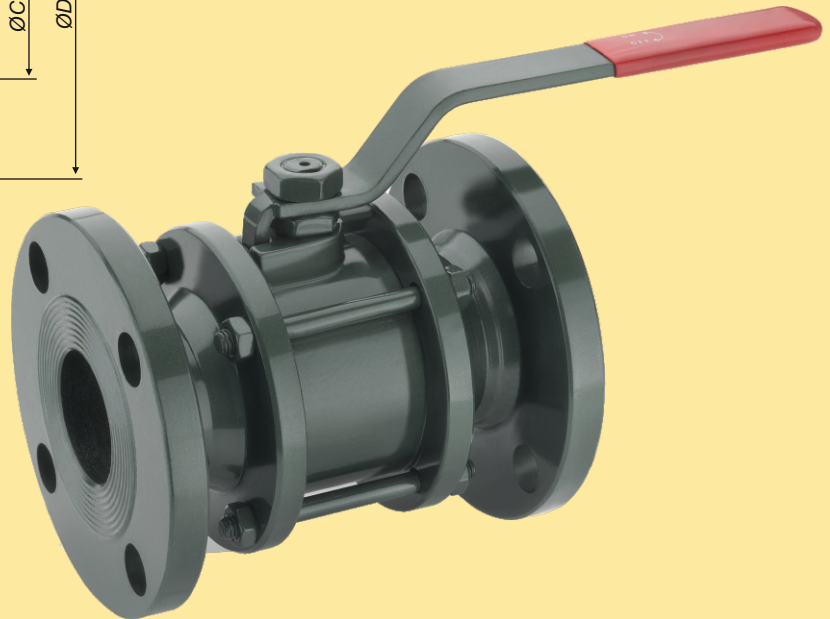
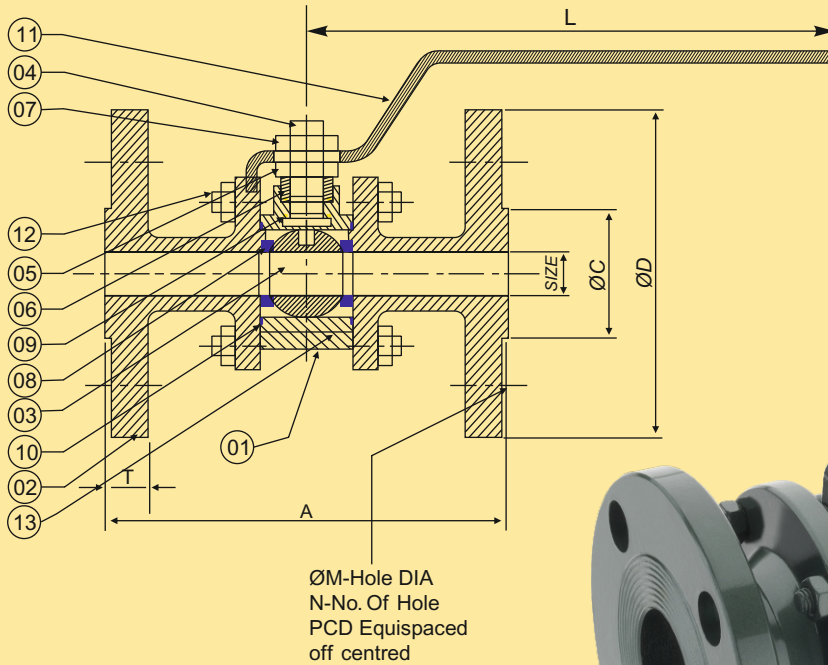
Design & Manufacturing Std : BS 5351 / API 6 D
Testing & Inspection Std : API 598 / BS 5146
Face To Face : As per ANSI B 16.10
End Connections : Flanged as per ANSI B 16.5



TRADEANANTA

We Exchange Trust

DRAWING



SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	C.I.	1
02	Body Connector	C.I.	1
03	Ball	S.S. 202	1
04	Stem	S.S. 202	1
05	Gland Nut	M.S.	1
06	Gland Bush	M.S.	1
07	Lock Nut	M.S.	1
08	Seat Ring	PTFE	2
09	Stem Seal	PTFE	2
10	Body Sealant Ring	PTFE	1
11	Lever	M.S.	1
12	Stud & Nut	M.S.	-

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE	
		BODY	SEAT
150	150 PSIG	425 PSIG	300 PSIG

Air Test - Seat 80 PSI ± 10 PSIG

Pressure in CI Material is 215 PSIG only

SIZE		CLASS 150#							
Inch	M.M.	A	T	ØC	ØD	ØM	N	PCD	L
1 / 2"	15	111	10.0	12	95	16	4	60.4	140
1"	25	127	11.0	13.5	108	16	4	79.2	145
1 1/2"	40	165	14.0	14.5	127	16	4	98.5	186
2"	50	178	15.7	16	152	19	4	120.6	214
2 1/2"	65	190	17.5	17	178	19	4	139.7	265
3"	80	203	19.0	17.5	190	19	4	152.4	265
4"	100	229	24.0	20	228.5	19	8	190.5	314
6"	150	269	25.5	27	270	22	8	241.3	630

All dimensions are in MM
*All dimensions are in Difference ± 2 mm

Application :



C.I. CAST IRON BALL VALVE SINGLE PIECE DESIGN

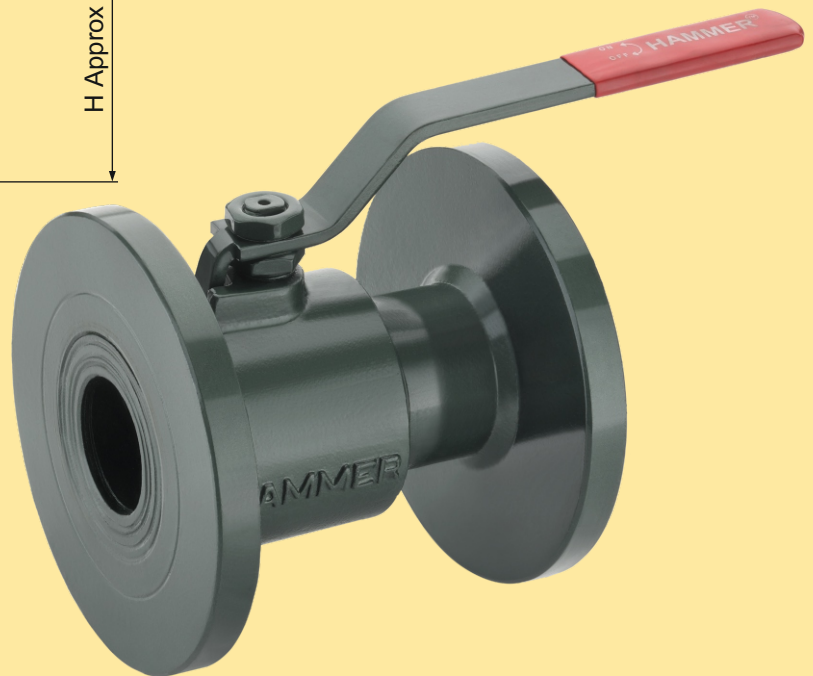
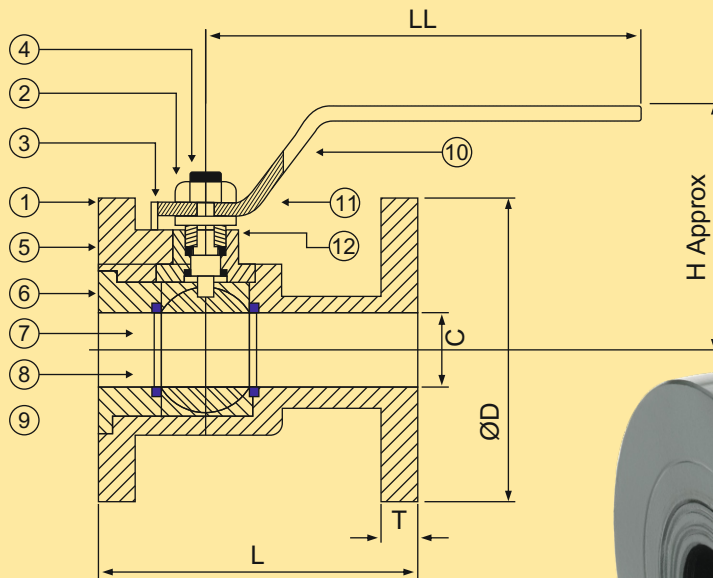
"HAMMER" Cast Iron Ball Valve Single Piece Design,
Full bore, As Per BS 10 : Table D/ E / F



TRADEANANTA

We Exchange Trust

DRAWING



SR.NO.	PARTS NAME	MATERIAL	QTY.
01	BODY	C.I.	1
02	LEVER NUT	M.S.	1
03	STOPPER	M.S.	1
04	STEM	S.S. 202	1
05	GLAND PACKING	TEFLON	2
06	BODY CONNECTOR	C.I.	1
07	BODY SEAT RING / SEAL	TEFLON	2
08	BALL	S.S. 202	1
09	PACKING	TEFLON	1
10	LEVER SLEEVE	PVC	1
11	LEVER	M.S.	1
12	GLAND NUT	M.S.	1

Inch	M.M.	L	D	LL	H	C	T
1 / 2"	15	95.5	94.5	140	60	13	12.5
3 / 4"	20	116	104.5	143	66	19	13.5
1"	25	114.5	121	143	68	25	13.5
1 1/4"	32	128.5	132.5	192	105	32	13.5
1 1/2"	40	140.5	139	192	105	38	14
2"	50	163.5	165	222	120	50	16
2 1/2"	65	180	185	266	127	64	19
3"	80	204	204	266	140	75	20
4"	100	237	230	314	152	100	22

All dimensions are in MM

*All dimensions are in Difference ± 2 mm

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESSURE	HYD. TEST PRESSURE	
		BODY	SEAT
150	150 PSIG	500 Lbs. Hyd.	300 Lbs. Hyd.

Air Test - Seat 80 PSI ± 10 PSIG

Pressure in CI Material is 215 PSIG only

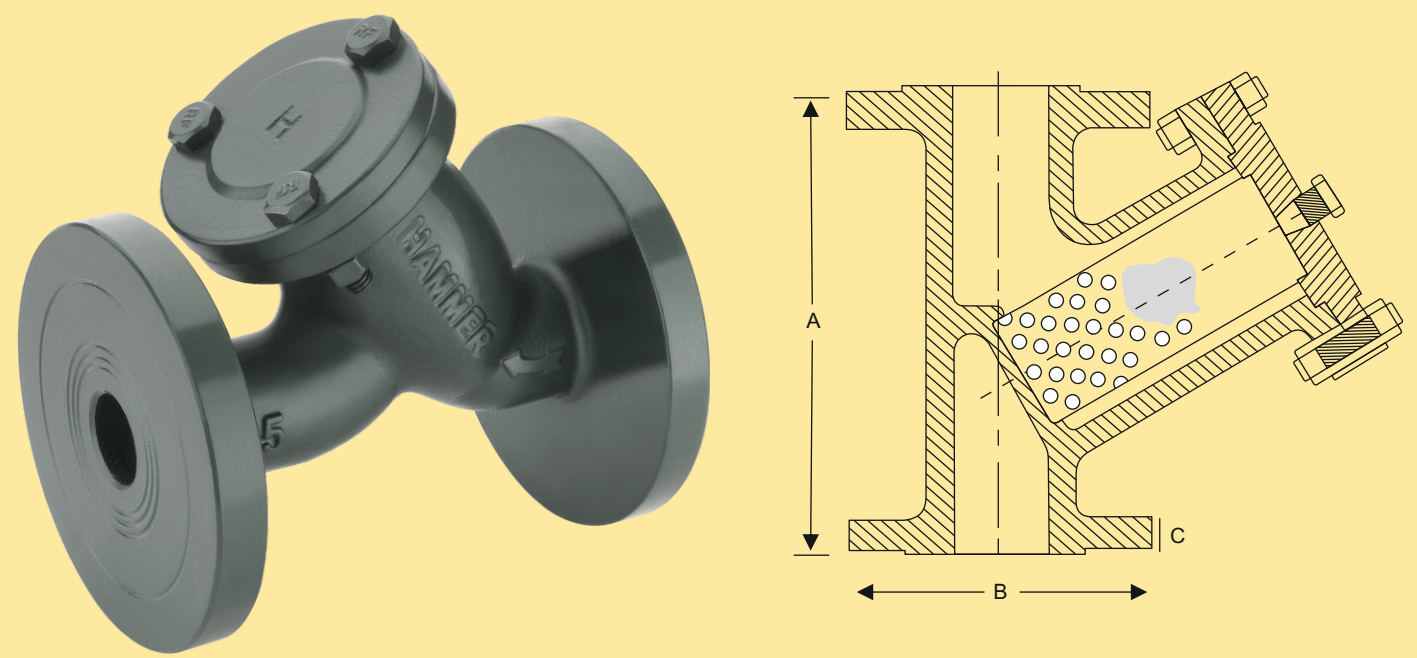
Application :



C.I. Y-TYPE STRAINER (FLANGED)

Cast Iron strainers, Y-type with stainless steel screens. These strainers can also be supplied with flanges as per BS Tables. These strainers are designed to provide large ratio between the clear area through the strainer and pipe to limit pressure drop to the minimum.

DRAWING



SR.NO.	PARTS NAME	MATERIAL	SPECIFICATION
01	Body	Cast Iron/Ductile Iron	IS:210 FG 200
02	Screen	Stainless Steel	S.S.
03	Gasket	Natural Rubber	IS:638
04	Cover	Cast Iron	IS:210 FG 200
05	Bolts	Carbon Steel	IS:1363

HYDROSTATIC TEST PRESSURE			
AVAILABILITY	SIZE RANGE	TEMPERATURE RATING	HYDROSTATIC TEST PRESSURE BODY
Standard Supply	50 to 600 mm	As per our Specifications	10 Kg./CM ²

DN SIZE	FACE TO FACE (A)	FLANGE DIA (B)	FLANGE THICKNESS (C)
25	151	113	16
40	173	135	16
50	200	154	16
65	213	160	17
80	265	186	17
100	330	215	17
125	385	255	24
150	395	285	24
200	460	340	25
250	535	405	25
300	575	480	25
Dimensions are Subject to Change in Course of Product Development			

All dimensions are in M. M.
 *All dimensions are in Difference ± 2 mm

Application :

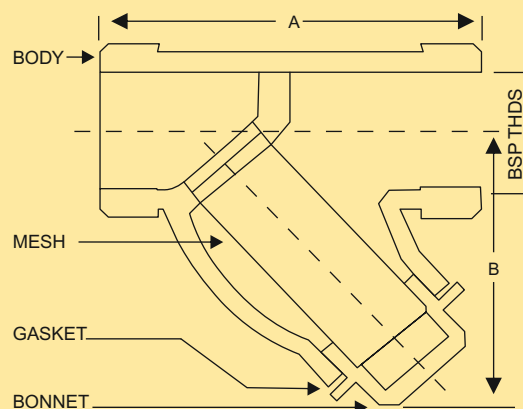
WATER

OIL

C.I. Y-TYPE STRAINER (SCREWED)

Cast Iron strainers, Y-type female ends with stainless steel 304 Mesh/Filter having perforation size of 1 mm.
Mechanical equipments like Pumps, Burners, Nozzies, Pressure Reducing Valves, Meters, Traps, Turbines, Filters & Domestic Water Lines.

DRAWING



SR.NO.	PARTS NAME	MATERIAL	SPECIFICATION
01	Body & Bonner	Cast Iron	IS:210 Gr.FG 200
02	Mesh/Filter	Stainless Steel	ASI:202
03	Gasket	Compressed Asbestos	IS:2712 Gr.C
04	Mesh/Filer	Hole Size 2 mm	

HYDROSTATIC TEST PRESSURE			
CLASS	WORKING PRESSURE	MAX C.W.P.	
300 PSI	24 Kg./CM ²	225 PSI	10 Kg./CM ²

Temperature : 80° to 100°

DN SIZE	A	B
15	75	61
20	92	71
25	108	80
32	133	108
40	156	152
50	190	155
65	246	166
80	275	202
TOLERANCES ± 1.5 MM in 'A'		

All dimensions are in M. M.

*All dimensions are in Difference ± 2 mm

Application :



C.I. POT-TYPE STRAINER (T)

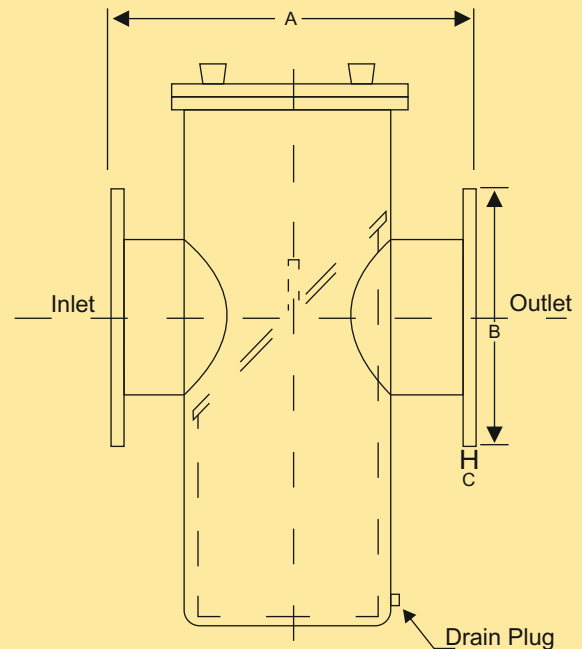
Cast Iron Strainers, Pot-type with stainless steel screens. These strainers can also be supplied with flanges as per BS Tables.



TRADEANANTA

We Exchange Trust

DRAWING



SR.NO.	PARTS NAME	MATERIAL	SPECIFICATION
01	Body	Cast Iron/Ductile Iron	IS:210 FG 200
02	Screen	Stainless Steel	S.S.
03	Gasket	Natural Rubber	IS:638
04	Cover	Cast Iron	IS:210 FG 200
05	Bolts	Carbon Steel	IS:1363

HYDROSTATIC TEST PRESSURE			
AVAILABILITY	SIZE RANGE	TEMPERATURE RATING	HYDROSTATIC TEST PRESSURE BODY
Standard Supply	50 to 600 mm	As per our Specifications	10 Kg./CM ²

DN SIZE	FACE TO FACE (A)	FLANGE DIA (B)	FLANGE THICKNESS (C)	C TO T
40	165	134	16	85
50	185	153	16	95
65	190	165	16	100
80	225	185	21	115
100	275	220	22	140
125	307	255	22.5	155
150	330	285	23	165
200	400	340	24.5	190
250	510	410	28	
300	520	490	28	

Dimensions are Subject to Change in Course of Product Development

All dimensions are in M. M.

Application :



C.I. REFLUX VALVE (N.R.V)

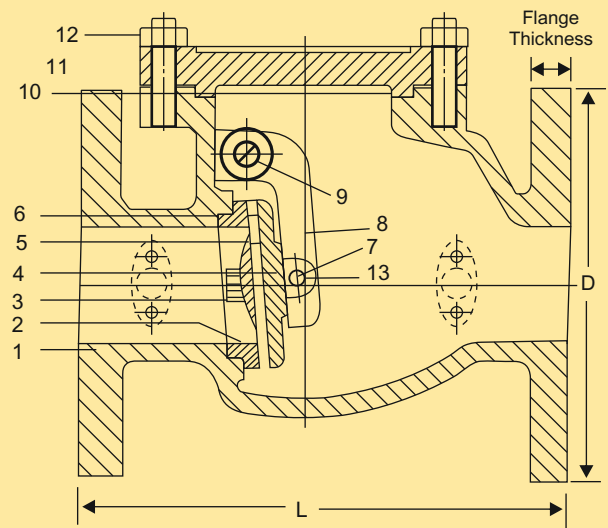
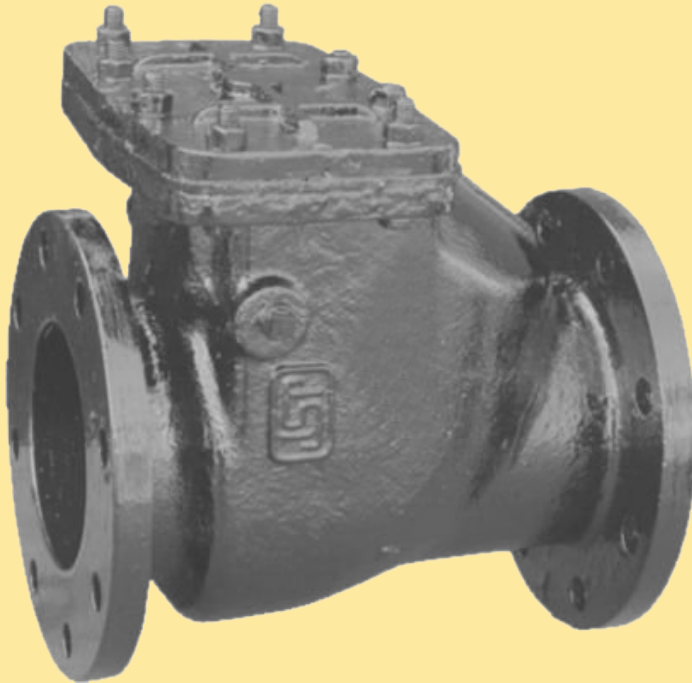
Cast Iron Double Flanged Swing Check Type Reflux (Non Return) Valves with S.S. Hinge Pin and Bronze internals / with Rubber Faced Flaps suitable for horizontal and vertical lines conforming to IS:5312 Part I, drilled as per IS 1538 These Valves can be supplied with S.S. working parts.



TRADEANANTA

We Exchange Trust

DRAWING



SR.NO.	PARTS NAME	MATERIAL	SPECIFICATION
01	Body	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
02	Body Seat Ring	Leaded Tin Bronze	IS:318 LTB2
03	Door Face Disc	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
04	Doorbolt	Carbon Steel	IS:1363
05	Doorface	Rubber	IS:5312
06	Door	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
07	Door Suspension Pin	Stainless Steel	IS:6603 12Cr12
08	Hinge	Cast Iron	IS:210 Gr.FG 200
09	Hinge Pin	Stainless Steel	IS:6603 12Cr12
10	Gasket	Rubber	IS:638 TYPE B
11	Cover	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
12	Stud Bolt & Nut	Carbon Steel	IS:1363
13	Hinge Pin Plug	Bronze	IS:318 LTB2

HYDROSTATIC TEST PRESSURE				
AVAILABILITY	SIZE RANGE	MFG PRESSURE	HYDROSTATIC TEST PRESSURE	
			BODY	SEAT
Standard Supply	50 to 125 mm	IS:5312(Part-I):2004	24 Kg./CM ²	16 Kg./CM ²
	150 to 300 mm	IS:5312(Part-I):2004	15 Kg./CM ²	10 Kg./CM ²

DN SIZE	LENGTH Over Flanged	FLANGE DIA (D)	FLANGE THICK.	PCD	No. of Holes/Dia	HINGE PIN DIA	SIZE OF BYPASS
50	200	165	16	125	4 x 19	10	10
65	240	185	16	145	4 x 19	10	10
80	260	200	21	160	4 x 19	10	10
100	300	220	22	180	8 x 19	12	10
125	350	250	22.5	210	8 x 19	12	15
150	400	285	23	240	8 x 23	16	15
200	500	340	24.5	295	8 x 23	20	25
250	600	395	26	350	12 x 23	22	25
300	700	445	27.5	400	12 x 23	25	40
350	800	505	29	460	16 x 23	25	40
400	900	565	30	515	16 x 28	32	40
450	1000	615	31.5	565	20 x 28	32	50
500	1100	670	33	620	20 x 28	38	50
600	1300	780	36	725	20 x 31	38	65

TOLERANCES AS PER IS:5312 PART-I

*All dimensions are in Difference ± 2 mm

All dimensions are in M. M.

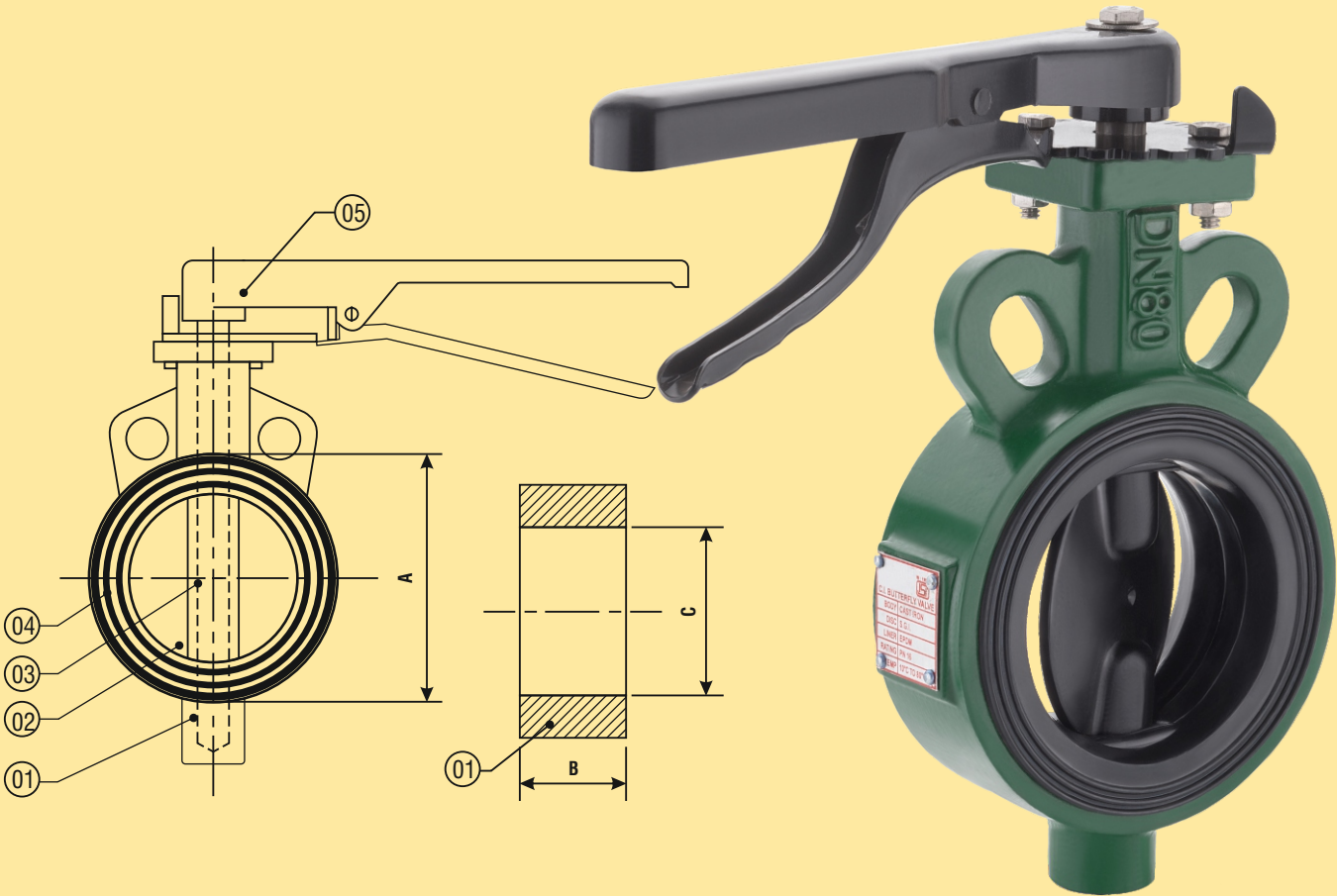
Application :



C.I. WAFER TYPE BUTTERFLY VALVE :

Technical Data
 Design & Manufacturing Std. : API 609 / IS : 13095
 Testing & Inspection Std. : API 598 / IS : 13095
 Pressure Rating : PN16 / PN25 / PN40

DRAWING



Can be used with Flange Tables

ANSI 150# / Bs10 / Table D / Table E / Table F / IS 1538 Table

SR.NO.	PARTS NAME	MATERIAL	QTY.
01	Body	CAST IRON	1
02	Disc	C.I. / S.G.I.N. / S.S. 304 / S.S. 316	1
03	Spindle	AISI 410	1
04	Rubber Slive	EPDM	1
05	Lever	M.S.	1

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	HYD. TEST PRESSURE		
	BODY & DISC	SEAT	TEMP
150	24 Bar	16 Bar	110°C

SIZE		A	B	C
INCH	M.M.			
1½"	40	80	32	41
2"	50	94	41	50
2½"	65	109	45	63
3"	80	127	45	78
4"	100	155	52	98
5"	125	181	56	122
6"	150	208	56	148
8"	200	269	59	196
10"	250	324	67.5	249
12"	300	375	77	299

*All dimensions are in Difference ± 2 mm All dimensions are in MM

Application :



C.I. DUAL PLATE CHECK VALVE (N.R.V.)

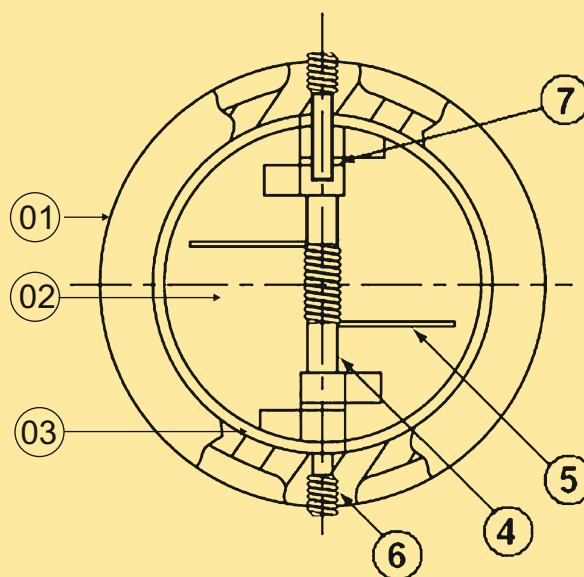
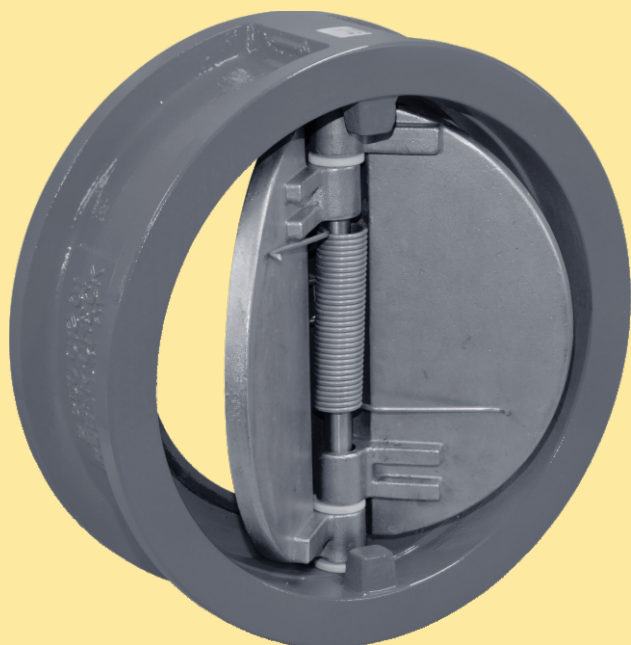
Dual Plate Check valve is a purpose non-return valve that is much stronger, lighter in weight and smaller in size as compared to conventional swing check valve or lift check valve. This design has distinct advantages over conventional swing check valve.



TRADEANANTA

We Exchange Trust

DRAWING



SR.NO.	PARTS NAME	MATERIAL
01	Body	C.I.
02	Disc	D.I.
03	Seat	SS 304
04	Shaft	SS 304
05	Springs	SS 304
06	Nut	SS 304
07	Disc Bearing	PTFE

HYDROSTATIC TEST PRESSURE				
AVAILABILITY	SIZE RANGE	TEMPERATURE RATING	HYDROSTATIC TEST PRESSURE	
			BODY	SEAT
Standard Supply	50 to 600 mm	-10° C to 90° C	15 Kg./CM ²	10 Kg./CM ²
	50 to 300 mm	-10° C to 90° C	24 Kg./CM ²	16 Kg./CM ²

DN SIZE	OUTER DIA	FACE TO FACE	INNER DIA
50	97	56	60
65	110	56	73
80	130	59	89
100	160	64	114
125	191.5	75	141
150	217	79	168
200	272	98	219
250	340	108	273
300	410	143	324
400	On Request	On Request	On Request
500	On Request	On Request	On Request
600	On Request	On Request	On Request
Dimensions are Subject to Change in Course of Product Development			

All dimensions are in M. M.

*All dimensions are in Difference $\pm$ 2 mm

Application :



C.I. SLUICE VALVE F/E

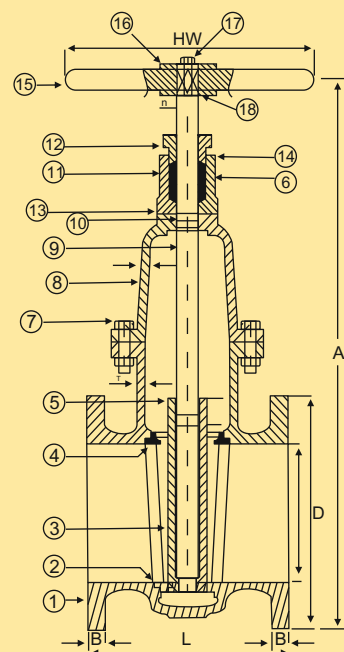
Cast Iron Double Flanged Sluice Valves IS:14846:2000 with G.M. Internal & IS:6603 12CR13 S.S. Spindle Drilled as per IS:1538 with body design preferred dimensions (PD) type. These valves can be supplied with S.S. working parts.



TRADEANANTA

We Exchange Trust

DRAWING



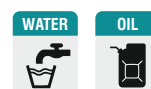
SR.NO.	PARTS NAME	MATERIAL	SPECIFICATION
01	Body	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
02	Body Seat Ring	Leaded Tin Bronze	IS:318 LTB2
03	Wedge	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
04	Wedge Ring	Leaded Tin Bronze	IS:318 LTB2
05	Wedge Nut	Leaded Tin Bronze	IS:318 LTB2
06	Gasket	Rubber	IS:638 Type-B
07	Bolts & Nuts	Carbon Steel	IS:1363
08	Bonnet	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
09	Stem	Stainless Steel	IS:6603 12Cr12
10	Bolts & Nuts	Carbon Steel	IS:1363
11	Gasket	Rubber	IS:638 Type-B
12	Stuffing Box	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
13	Packing	Asbestos	IS:4687
14	Gland	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
15	Hand Wheel	Cast Iron/S.G. Iron	IS:210 Gr.FG 200
16	Washer	Mild Steel	
17	Bolts	Carbon Steel	IS:1363
18	Bolts & Nuts	Carbon Steel	IS:1363

SIZE	L	B	D	A	H/W PN 1.6	PCD
50	178	16	165	365	225	125
65	190	16	185	380	225	145
80	203	21	200	425	225	160
100	229	22	220	470	320	180
125	254	22.5	250	485	320	210
150	267	23	285	595	320	240
200	292	24.5	340	725	360	295
250	330	26	395	835	400	350
300	358	27.5	445	910	400	400
350	381	29	505	1020	500	460
400	406	30	565	1110	640	515
450	432	31.5	615	1200	720	565
500	457	33	670	1300	720	620
600	508	36	780	1500	720	725
700	On Request	On Request	On Request	On Request	On Request	On Request

*All dimensions are in Difference ± 2 mm All dimensions are in M. M.

HYDROSTATIC TEST PRESSURE				
AVAILABILITY	SIZE RANGE	MFG PRESSURE	HYDROSTATIC TEST PRESSURE	
			BODY	SEAT
Standard Supply	50 to 700 mm	IS:14846 PN 1.0	15 Kg./CM ²	10 Kg./CM ²
	50 to 300 mm	IS:14846 PN 1.6	24 Kg./CM ²	16 Kg./CM ²

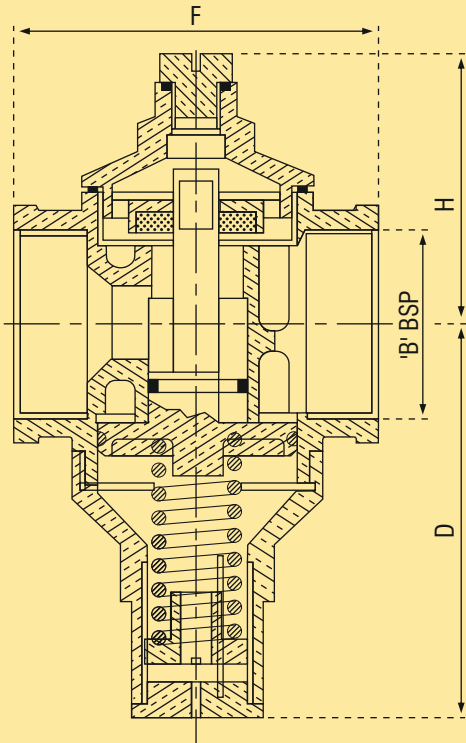
Application :



BRONZE PRESSURE REDUCING VALVE (SCREWED)

Screwed in bonnet, Piston type with a provision of installing pressure guage at down stream side. Screwed female end to BS 21.

DRAWING



Min. Upstream Pressure 0.80 Bar
Max. Working Temperature : 80°C

Max. Upstream Pressure 5.50 Bar

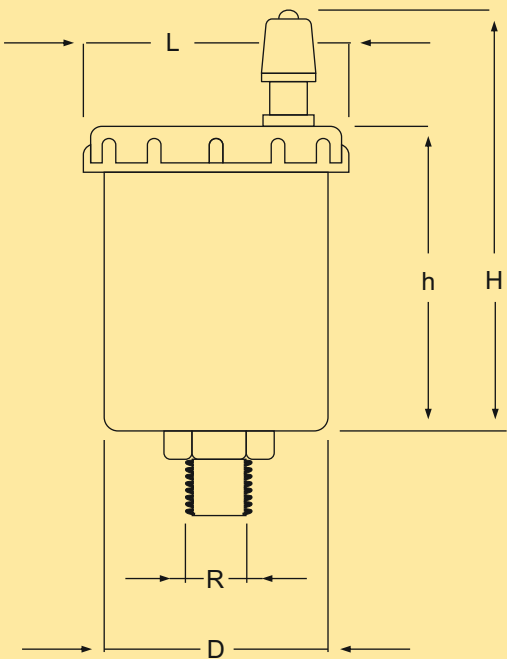
PARTS NAME	MATERIAL	SPECIFICATION
Body & Piston	Bronze	IS 318 Gr. LTB 2
Upper & Lower Bonner	Brass	IS 6912 Gr. FLB
'O' Ring	Nitrile Rubber	IS 5192 – 1
Disc Holder	Brass	IS 6912 Gr. FLB
Adjusting Screw	Brass	IS 6912 Gr. FLB
Disc	Nitrile Rubber	IS 5192 – 1
Spring	Spring Steel	EN 47 Gr. B
Lower Cap	Brass	IS 6912 Gr. FLB

SIZE		A ±1.5	B	C ~	D ~
INCH	M.M.				
1 / 2"	15	63	45	69	
3 / 4"	20	63	45	69	
1"	25	86	62	93	
1 ¼"	32	92	65	99	
1 ½"	40	92	65	99	
2"	50	94	71	100	
2 ½"	65	135	89	131	
3"	80	162	101	150	
4"	100	162	117	160	

*All dimensions are in Difference ± 2 mm

All dimensions are in M. M.

DRAWING



MATERIAL SPECIFICATIONS :

SR.NO.	PARTS NAME	MATERIAL
01	Body & Cap	Brass
02	Spring	Stainless Steel
03	Float	Polypropylene
04	Rubber Parts	EPDM

DN SIZE (R)	H	h	L	D	Kg.
1 / 2"	87	72	50	42	0.15
3 / 4"	87	72	50	42	0.20
1"	87	72	50	42	0.22

All dimensions are in M. M.

*All dimensions are in Difference $\pm$ 2 mm

PRESSURE / TEMPERATURE SPECIFICATIONS	
PRESSURE	TEMPERATURE
PN10	10°C to 100°C

Application :



LANDING VALVE (FIRE HYDRANT)

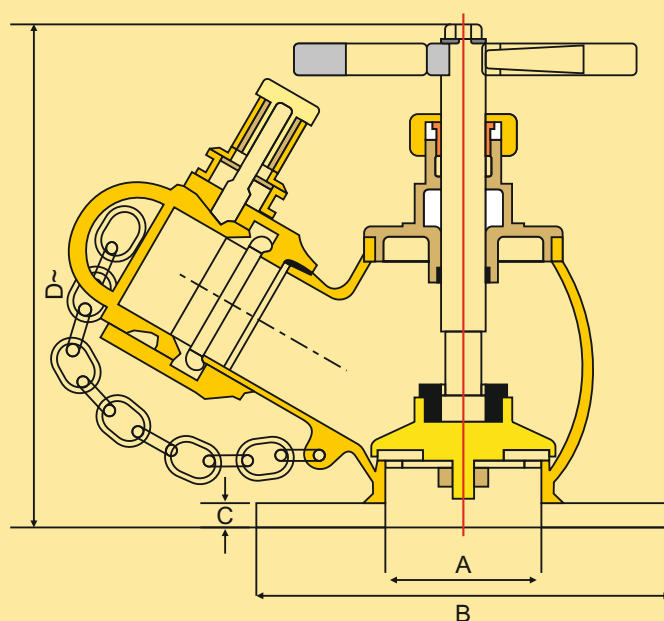
Design Standard IS 5290 Screwed in Bonnet having instantaneous coupling with single outlet. PTFE Gland Packing for longer life and smooth operation large flow way are to get full flow of water conforming to Type-A specification.



TRADEANANTA

We Exchange Trust

DRAWING



PARTS NAME	MATERIAL
Body, Bonnet & Disc Nut	S.S. 202 / S.S. 304 / CI
Bolt, Washer & Chain	Carbon Steel
Gland, Gland Nut & Disc Holder	S.S.
Stem, Nut & Cam Tooth	S.S.
Handwheel	Cast Iron
Packing	Nitrile Rubber
Disc & Washer	Rubber
Can Housing, Cap & Adjusting Ring	S.S.
Instantaneous Coupling	S.S.
Spring	S.S.
Blank Cap	PVC

HYDROSTATIC TEST PRESSURE

21 kg/cm²g (300 PSIG)

SEAT

14 kg/cm²g (200 PSIG)

DN SIZE	A	B	C	D	PCD
80	75	200	12	240	160

All dimensions are in M. M.

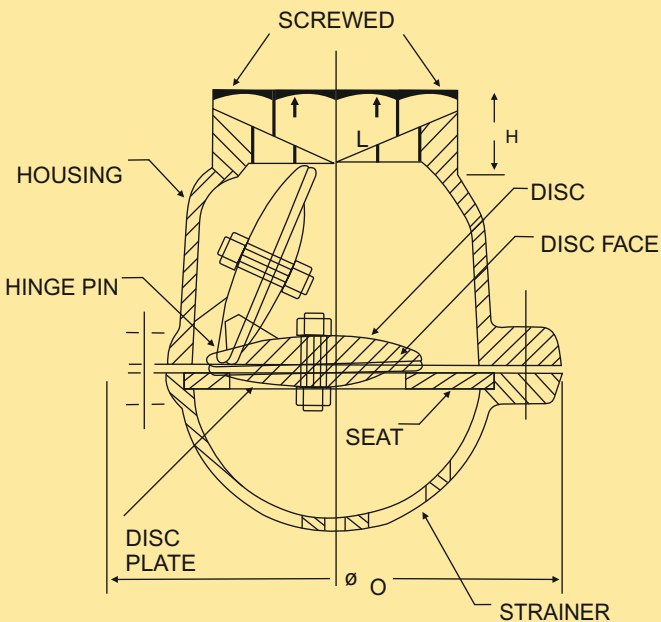
Application :



FOOT VALVE (SCREWED)

Foot Valve Screwed is manufactured strictly as per IS:4038-1986. This valve is generally placed at the lower end of the suction pipe of a Centrifugal Pump to prevent the suction of pipe from emptying while the pump is at rest. This valve is particularly useful when the suction lift or vertical height of the pipe is considerable.

DRAWING



Each valve is subjected to two tests :
Seat Test : Valve seat is tested at 0.2 MPA Hydrostatic test pressure for 2 minutes.
Housing Test : The body of valve is tested at 0.6 MPA hydrostatic test pressure for 2 minutes.

SR.NO.	PARTS NAME	MATERIAL	SPECIFICATION
01	Body	Grey Cast Iron	IS:210 FG 200
02	Bolts	M.S.	IS:1363
03	Mesh	Cast Iron	
04	Flap	Leather/Rubber	

HYDROSTATIC TEST PRESSURE	
BODY	SEAT
0.6 Mpa (For 2 Minutes)	0.2 Mpa (For 2 Minutes)

Size Range : 15 mm to 200 mm

Swing Type Valves above 150mm have two discs of semi circle Flanged Valves are drilled as per IS:1538, but can be drilled as per customer's specification.

FOOT VALVE (FLANGED)

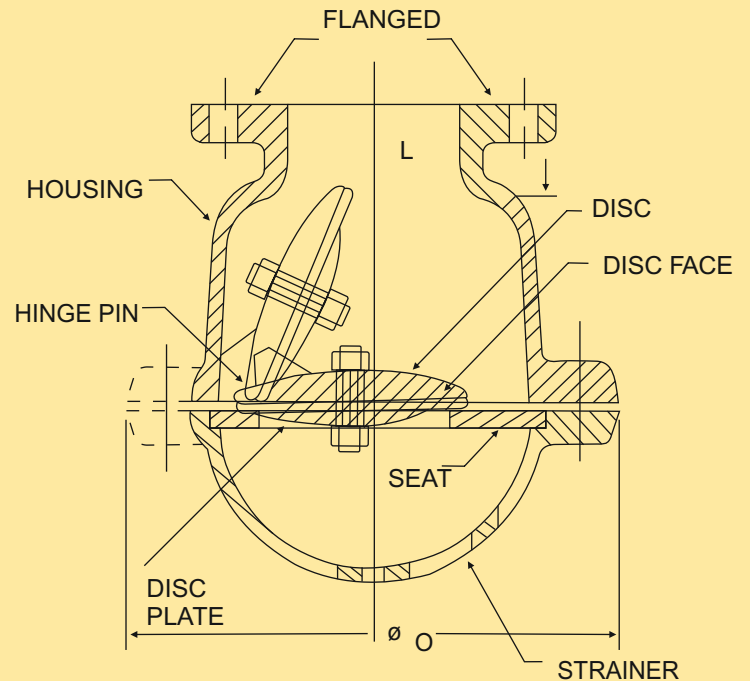
Foot Valve flanged is manufactured strictly as per IS:4038-1986. This valve is generally placed at the lower end of the suction pipe of a Centrifugal Pump to prevent the suction of pipe from emptying while the pump is at rest. This valve is particularly useful when the suction lift or vertical height of the pipe is considerable.



TRADEANANTA

We Exchange Trust

DRAWING



Each valve is subjected to two tests :

Seat Test : Valve seat is tested at 0.2 MPA Hydrostatic test pressure for 2 minutes.

Housing Test : The body of valve is tested at 0.6 MPA hydrostatic test pressure for 2 minutes.

SR.NO.	PARTS NAME	MATERIAL	SPECIFICATION
01	Body	Grey Cast Iron	IS:210 FG 200
02	Bolts	M.S.	IS:1363
03	Mesh	Cast Iron	
04	Flap	Leather/Rubber	

HYDROSTATIC TEST PRESSURE	
BODY	SEAT
0.6 Mpa (For 2 Minutes)	0.2 Mpa (For 2 Minutes)

Size Range : 15 mm to 200 mm

Swing Type Valves above 150mm have two discs of semi circle Flanged Valves are drilled as per IS:1538, but can be drilled as per customer's specification.

Application :



**Disclaimer : The Product images and specs are proprietary property of respective manufacturer.*

TRADEANANTA INTERNATIONAL LLP

Cell : +91 97148 89595 | email : contact@tradeananta.com

www.tradeananta.com