



BRIDGETECH INNOVATIONS LLP

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BRIDGETECH INNOVATIONS LLP



BRIDGETECH INNOVATIONS LLP

MANUFACTURER OF INDUSTRIAL VALVES



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

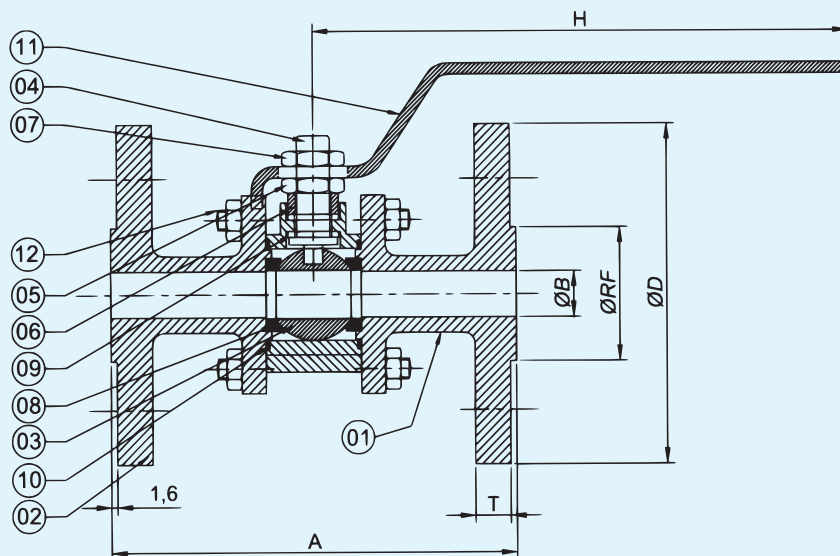
BRIDGETECH INNOVATIONS LLP

Technical Data :

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



DRAWING



Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M / CF3M	1
02	Body Connector	ASTM A 351 Gr. CF8 / CF8M / CF3M	2
03	Ball	-Do- / AISI 304 / 316 / 304L / 316L	1
04	Stem	AISI 304 / 316 / 304L / 316L	1
05	Gland Nut	M.S. / AISI 304 / 316 / 304L / 316L	1
06	Gland Bush	M.S. / AISI 304 / 316 / 304L / 316L	1
07	Lock Nut	M.S. / AISI 304 / 316 / 304L / 316L	1
08	Seal Ring	PTFE / GFT, CARBON, BRONZE	2
09	Stem Seal	PTFE / GFT, CARBON, BRONZE	2
10	Body Sealant Ring	PTFE / GFT, CARBON, BRONZE	2
11	Lever	M.S. / S.S. - 202 / 304 / 316	1
12	Stud & Nuts	M.S. / S.S. - 202 / 304 / 316	---

CLASS 150#									
Size NB	A	ØB	ØD	RF	PCD	T	H	ØM	N
15	108	13	89	35	60.5	11.1	130	16	4
20	117	19	98.5	43	70	11.1	130	16	4
25	127	25	108	51	79.5	11.1	175	16	4
40	165	38	127	73	98.5	14.3	220	16	4
50	178	51	152.5	92	121	16	245	19	4
65	190	64	178	105	140	17.5	350	19	4
80	203	76	191	127	152.5	19	450	19	4
100	229	102	229	157	190.5	24	500	19	8
125	254	125	254	186	216	24	600	22	8
150	267	150	279	216	241	25.5	600	22	8
200	292	200	343	270	298	29	700	22	8

“E” TABLE						“F” TABLE					CLASS 300#					
Size NB	ØD	T	PCD	N	ØM	ØD	T	PCD	N	ØM	A	ØD	T	PCD	N	ØM
15	95.5	9.5	66.7	4	14.5	95.5	9.5	66.7	4	14.5	—	95	14.5	66.7	4	16
20	102	9.5	73	4	14.5	102	9.5	73	4	14.5	—	117	16	82.5	4	19
25	114.5	9.5	82.5	4	14.5	121	9.5	87.3	4	14.5	165	124	17.5	89	4	19
40	133.5	13	98.5	4	14.5	140	13	104.8	4	14.5	190	156	21	114	4	19
50	152.5	14.5	114.5	4	17.5	165	16	127	4	17.5	216	165	23	127	8	22
65	165	14.5	127	4	17.5	184.5	16	146	8	17.5	241	191	25	149	8	22
80	184.5	14.5	146	4	17.5	203.5	16	165	8	17.5	283	210	29	168	8	22
100	216	17.5	177.8	8	17.5	228	19	190.5	8	17.5	305	254	32	200	8	22

All dimensions are M.M.

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
150	150 PSI	425 PSI	300 PSI	180° C
300	300 PSI	1100 PSI	800 PSI	180° C
Air Test - Seat 80 PSI ± 10 PSI				



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

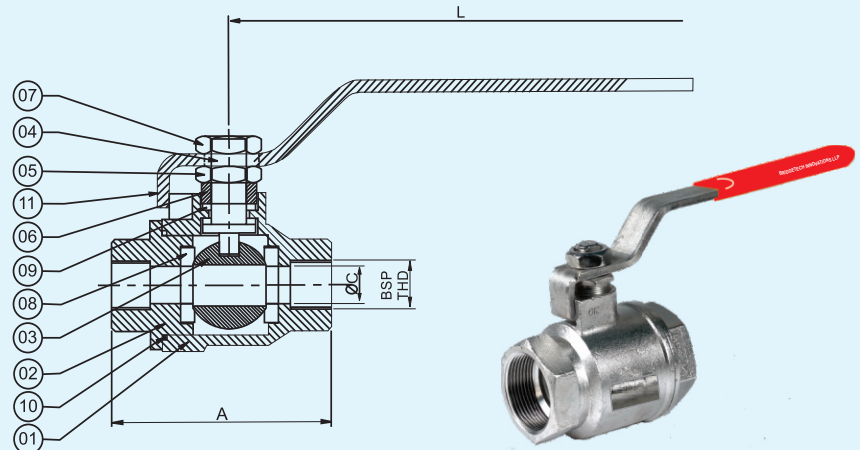
Technical Data :

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
Socket Weld End to	: ANSI b 16.11

DRAWING

Size		A	ØC	L	THRDS. (BSP/NPT)
Inch	M.M.				
1 / 4"	8	52	10	110	1 / 4"
3 / 8"	10	52	10	110	3 / 8"
1 / 2"	15	65	13	125	1 / 2"
3 / 4"	20	76	18	125	3 / 4"
1"	25	85	25	125	1"
1 1/4	32	100	32	175	1 1/4
1 1/2	40	100	38	175	1 1/2
2	50	120	50	175	2
2 1/2	65	151	63	252	2 1/2
3"	80	171	75	252	3"
4"	100	180	98	252	4"

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
150	150 PSI	425 PSI	300	180° C
Air Test - Seat 80 PSI ± 10 PSI				

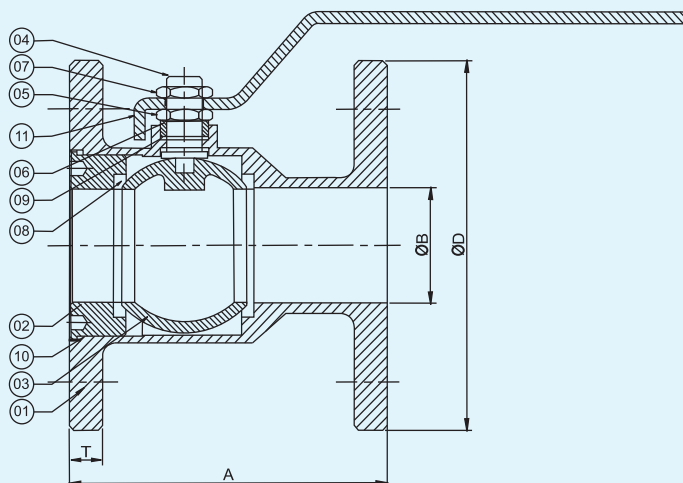


Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M / CF3M	1
02	Body Connector	ASTM A 351 Gr. CF8 / CF8M / CF3M	1
03	Ball	-Do- / AISI 304 / 316 / 304L / 316L	1
04	Stem	AISI 304 / 316 / 304L / 316L	1
05	Gland Packing	AISI 304 / 316 / 304L / 316L	1
06	Steam Seals	PTFE / GFT	2
07	Handle Not	S.S. 202, 304	1
08	Ball Seal	PTFE, GFT, Carbon, Bronze	1
09	Gland Packing	PTFE, GFT, Carbon, Bronze	2
10	Body Joint	S.S. 304 / 316	1
11	Wrench	S.S 202, 304, 316	

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

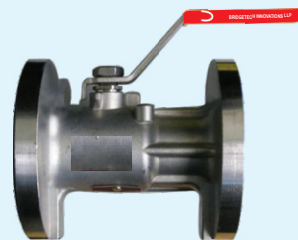
Technical Data :

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



Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
150	150 PSI	425 PSI	300	180° C
Air Test - Seat 80 PSI ± 10 PSI				

DRAWING



Size		A	ØD	ØB	THRDS
Inch	M.M.				
1"	25	105	121	25.4	10
1 1/2	40	125	140	38	13
2	50	144	165	51	15

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M / CF3M	1
02	Body Connector	ASTM A 351 Gr. CF8 / CF8M / CF3M	1
03	Ball	-Do- / AISI 304 / 316 / 304L / 316L	1
04	Stem	AISI 304 / 316 / 304L / 316L	1
05	Gland Nut	AISI 304 / 316 / 304L / 316L	1
06	Gland Bush	AISI 304 / 316 / 304L / 316L	2
07	Lock Nut	AISI 304 / 316 / 304L / 316L	1
08	Seat Ring	PTFE / GFT / CARBON / BRONZE	2
09	Stem Seal	PTFE / GFT / CARBON / BRONZE	2
10	Body Sealant Ring	PTFE / GFT / CARBON / BRONZE	1
11	Lever	M.S. / S.S - 202 / 304 / 316	1



BALL VALVE TWO PIECE FLANGE ENDS :

BRIDGETECH INNOVATIONS LLP

Technical Data :

Design & Manufacturing Std : BS 5351 / API 6 D

Testing & Inspection Std : API 598 / BS 5146

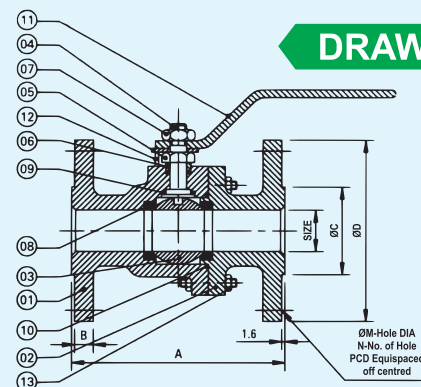
Face to Face : As per ANSI B 16.10

End Connections : Flanged as per ANSI B 16.5



Sr. No.	Parts Name	Material	Qty.
01	Body	M.S. / C.S. / C.I. / S.S. 202 / 304 / 316	1
02	Body Connector	M.S. / C.S. / C.I. / S.S. 202 / 304 / 316	1
03	Ball	S.S. 202 / 304 / 316	1
04	Stem	S.S. 202 / 304 / 316	1
05	Gland Nut	M.S. / S.S. 202 / 304 / 316	1
06	Gland Bush	M.S. / S.S. 202 / 304 / 316	1
07	Lock Nut	M.S. / S.S. 202 / 304 / 316	1
08	Seal Ring	PTFE / GFT / Carbon / Bronze	2
09	Stem Seal	PTFE / GFT / Carbon / Bronze	2
10	Body Sealant Ring	PTFE / GFT / Carbon / Bronze	2
11	Lever	M.S. / S.S. 304 / S.S 316	1
12	Stopper Pin	M.S. / S.S. 304 / S.S 316	1
13	Stud & Nut	M.S. / S.S.	-

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	180° C
Air Test - Seat 80 PSI ± 10 PSI				



DRAWING

Size		CLASS 150#						
Inch	M. M	A	B	ØC	ØD	ØM	N	PCD
1 / 2"	15	108	10.0	35	88	16	4	60.4
3 / 4"	20	118	10.5	43	98	16	4	69.8
1"	25	124	11.0	51	108	16	4	79.2
1 1/4"	32	140	12.7	64	117	16	4	88.9
1 1/2"	40	165	14.2	73	127	16	4	98.5
2"	50	178	15.7	92	152	19	4	120.6
2 1/2"	65	191	17.5	105	178	19	4	139.7
3"	80	203	19.0	127	190	19	4	152.4
4"	100	229	24.0	157	229	19	8	190.5

BALL VALVE THREE PIECE FLANGE END :

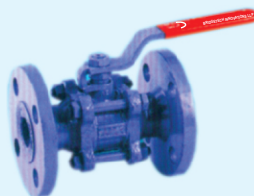
Technical Data :

Design & Manufacturing Std : BS 5351 / API 6 D

Testing & Inspection Std : API 598 / BS 5146

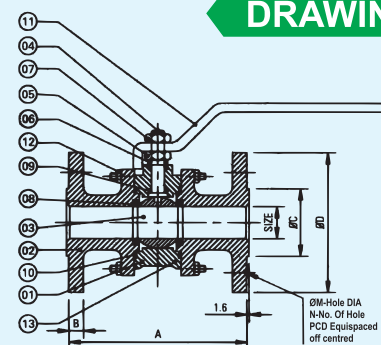
Face to Face : As per ANSI B 16.10

End Connections : Flanged as per ANSI B 16.5



Size		CLASS 150#						
Inch	M. M	A	B	ØC	ØD	ØM	N	PCD
1 / 2"	15	108	10.0	35	88	16	4	60.4
3 / 4"	20	118	10.5	43	98	16	4	69.8
1"	25	124	11.0	51	108	16	4	79.2
1 1/4"	32	140	12.7	64	117	16	4	88.9
1 1/2"	40	165	14.2	73	127	16	4	98.5
2"	50	178	15.7	92	152	19	4	120.6
2 1/2"	65	191	17.5	105	178	19	4	139.7
3"	80	203	19.0	127	190	19	4	152.4
4"	100	229	24.0	157	229	19	8	190.5
5"	125	254	24.0	186	254	22	8	215.9
6"	150	267	25.5	216	277	22	8	241.3

Size		CLASS 300#						
Inch	M. M	A	B	ØC	ØD	ØM	N	PCD
1 / 2"	15	140.0	14.2	35	95.0	16	4	66.5
3 / 4"	20	152.0	15.7	43	117.0	19	4	82.5
1"	25	165.0	17.5	51	124.0	19	4	88.9
1 1/4"	32	178.0	19.0	64	133.0	19	4	98.5
1 1/2"	40	190.0	20.5	73	155.0	22	4	114.3
2"	50	216.0	22.0	92	165.0	19	8	127.0
2 1/2"	65	241.0	25.0	105	190.5	22	8	149.3
3"	80	282.5	28.5	127	209.5	22	8	168.0
4"	100	305.0	32.0	157	254.0	22	8	200.0



DRAWING

Sr. No.	Parts Name	Material	Qty.
01	Body	M.S. / C.S. / C.I. / S.S 202 / 304 / 316	1
02	Body Connector	M.S. / C.S. / C.I. / S.S 202 / 304 / 316	1
03	Ball	S.S. 202 / 304 / 316	1
04	Stem	S.S. 202 / 304 / 316	1
05	Gland Nut	M.S. / S.S. 202 / 304 / 316	1
06	Gland Bush	M.S. / S.S. 202 / 304 / 316	1
07	Lock Nut	M.S. / S.S. 202 / 304 / 316	1
08	Seal Ring	PTFE / GFT / Carbon / Bronze	2
09	Stem Seal	PTFE / GFT / Carbon / Bronze	2
10	Body Sealant Ring	PTFE / GFT / Carbon / Bronze	2
11	Lever	M.S. / S.S. 304 / S.S 316	1
12	Stooper Pin	M.S. / S.S. 304 / S.S 316	1
13	Stud & Nut	M.S. / S.S.	-

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	180° C
300	300 PSIG	1100 PSIG	800 PSIG	180° C
Air Test - Seat 80 PSI ± 10 PSI				



BUTTERFLY VALVE

Technical Data :

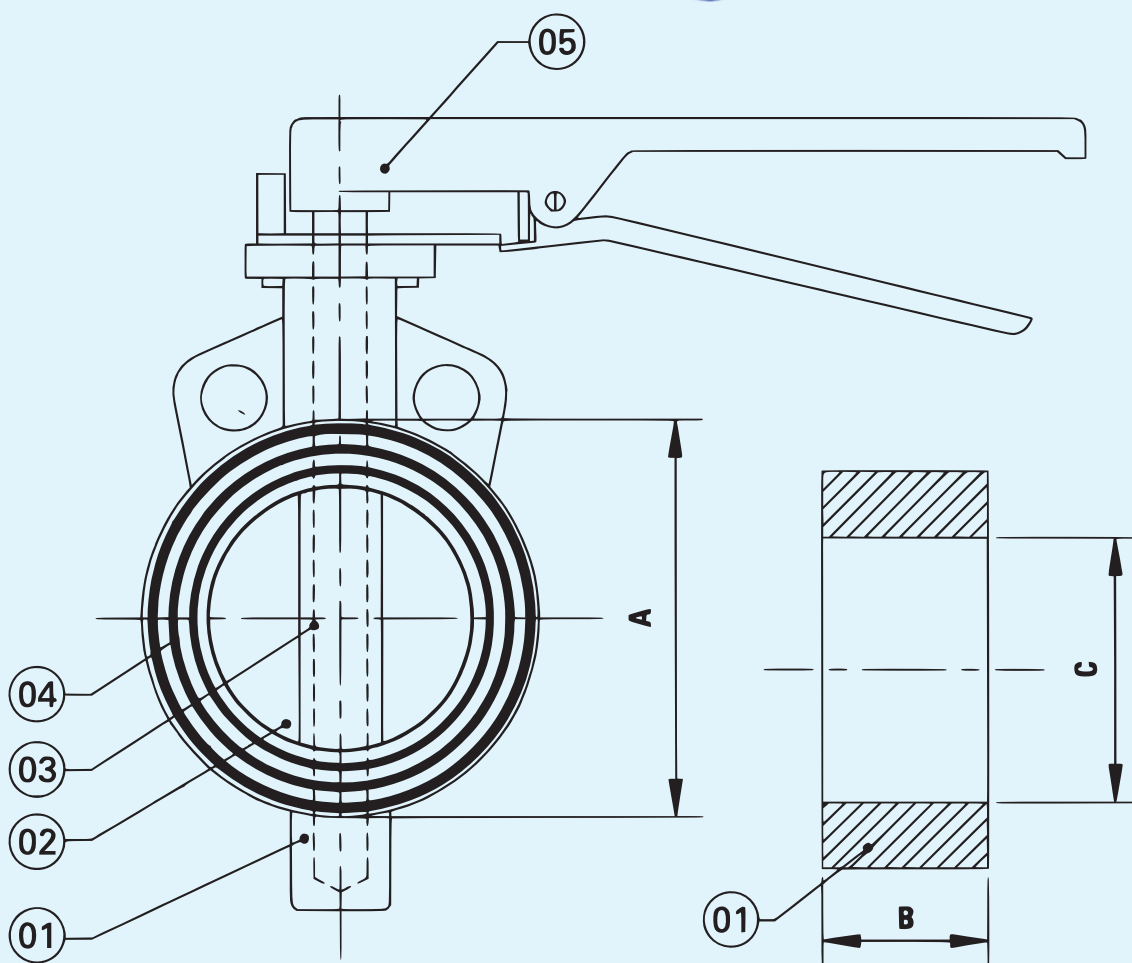
Desing & Manufacturing Std : API 609 / IS : 13095

Testing & Inspection Std : API 598 / IS 13095

Temp. Rating : Material will be selected
according to service



DRAWING



ØB		A	B	C
Inch	M.M.			
1 ½	40	71	39	40
2	50	78	43	50
2 ½	65	103	48	64
3"	80	119	49	80
4"	100	138	55	100
5"	125	163	55	125
6"	150	194	56	147
8"	200	256	62.5	196
10"	250	315	71	241
12"	300	373	80	294

All dimensions are in MM

Sr. No.	Parts Name	Material	Qty.
01	Body	C.I. / C.S. / S.S. 202 / S.S. 304 / S.S. 316	1
02	Disc	C.I. / D.I. / C.S. / S.S. 304 / S.S. 316 (NYLON or EPOXY XOATED)	1
03	Spindle	AISI 410 (13% CR) S.S. 304 / S.S 316	1
04	Rubber Lining	M.S. / S.S.	1

Primary Service Rating & Test Pressure			
Class	Hyd. Test Pressure		
	Body & Disc	Seat	Temp.
150	24 Bar	12 Bar	180° C

All dimensions are in MM



GATE VALVE FLANGE ENDS :

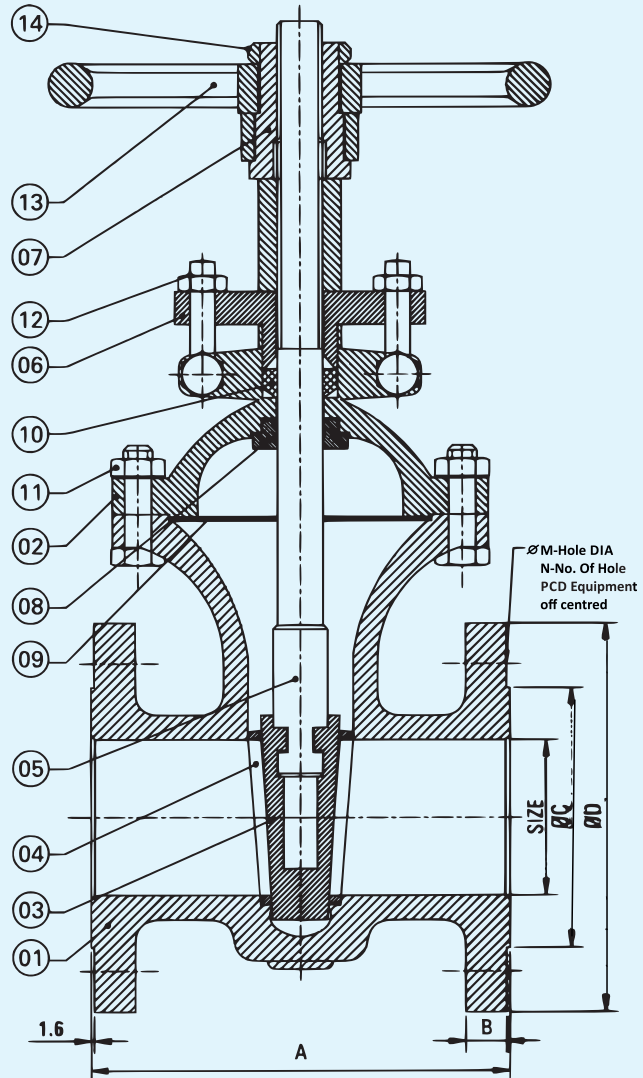
BRIDGETECH INNOVATIONS LLP

Technical Data :

Manufacturing Std	: ANSI B 16.34 / API 600
Testing & Inspection Std	: API 598
Face to Face	: As per ANSI B 16.10
End Connections	: Flanged as per ANSI B 16.5
Shell Wall Thickness	: ANSI B 16.34



DRAWING



Sr. No.	Parts Name	Material	Qty.
01	Body	C.I. / C.S. (ASTM A 216 Gr. WCB)	1
02	Bonnet	C.I. / C.S. (ASTM A 216 Gr. WCB)	1
03	Wedge	AISI 410 (13%CR)	1
04	Seat Ring	AISI 410 (13%CR)	2
05	Stem	AISI 410 (13%CR)	1
06	Gland	Carbon Stell	1
07	Yoke Sleeve	NI - Resist - Nodular Cast Iron	1
08	Bonnet Bush	AISI 410	1
09	Gasket	Spiral Wond Metallic	1
10	Gland Packing	Metallic wire Reinforced Graph Oil asbestos	-
11	Bonnet Stud & Nut	ASTM A 193 Gr. B7 / ASTM A194 Gr. 2H	-
12	Eye Bolt & Nut	ASTM A 193 Gr. B7 / ASTM A194 Gr. 2H	2set
13	Hand Wheel	Cast Iron	1
14	Hand Wheel Nut	Carbon Steel	1

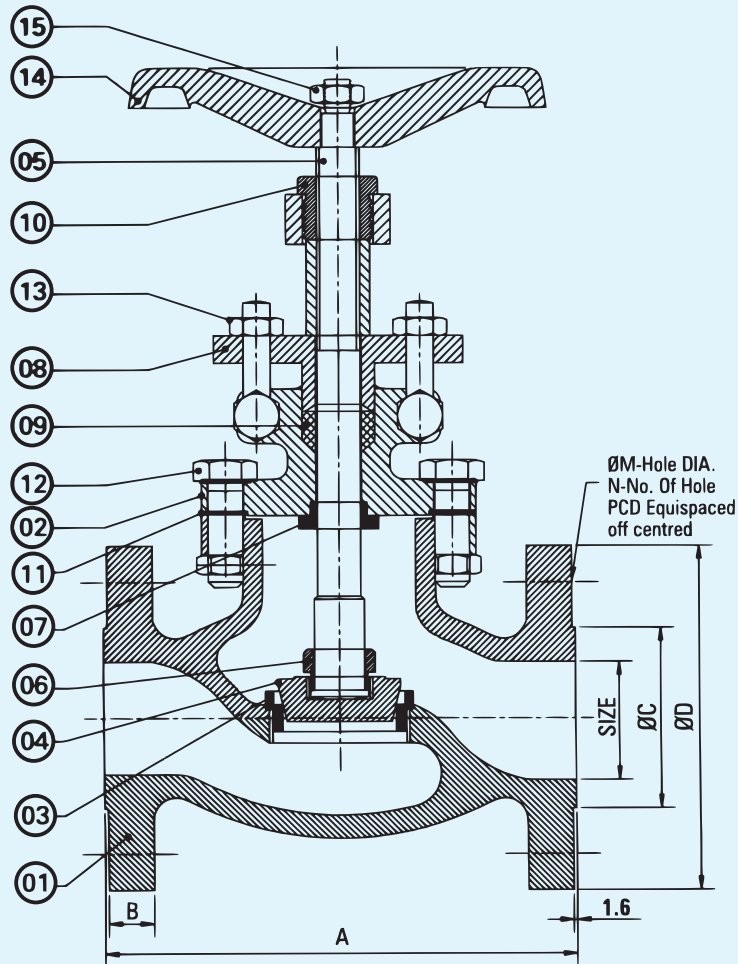
Primary Service Rating & Test Pressure			
Class	Working Pressure	Hyd. Test Pressure	
		Body	Seat
150	150 PSIG(21 Kg/cm ²)	425 PSIG	300 PSIG
Air Test - Seat 80 PSI ± 10 PSI			

CLASS 150#							
Size	A	B	ØC	ØD	ØM	N	PCD
25	127.0	11.1	51	108	16	4	79.2
40	165.0	14.2	73	127	16	4	98.5
50	178.0	15.7	92	152	19	4	120.6
65	190.5	17.5	105	178	19	4	139.7
80	203.0	19.0	127	190	19	4	152.4
100	229.0	23.8	157	229	19	8	190.5
125	254.0	23.8	186	254	22	8	215.9
150	267.0	25.4	216	279	22	8	241.3
200	292.0	28.4	270	343	22	8	298.4
250	330.0	30.2	324	406	25	12	361.9
300	356.0	31.7	381	483	25	12	431.8

All dimensions are in MM

**GLOBE VALVE FLANGE ENDS :**

Technical Data :	
Manufacturing Std	: ANSI B 16.34 / BS 1873
Testing & Inspection Std	: API 598 / BS 6755
Face to Face	: ANSI B 16.10
End Connections	: Flanged ANSI B 16.5
Shell Wall Thickness	: ANSI B 16.34

DRAWING

CLASS 150#							
Size	A	B	ØC	ØD	ØM	N	PCD
25	127.0	11.1	51	108	16	4	79.2
40	165.0	14.2	73	127	16	4	98.5
50	203.0	15.7	92	152	19	4	120.6
65	216.5	17.5	105	178	19	4	139.7
80	241.0	19.0	127	190	19	4	152.4
100	292.0	23.8	157	229	19	8	190.5
125	356.0	23.8	186	254	22	8	215.9
150	406.0	25.4	216	279	22	8	241.3
200	495.0	28.4	270	343	22	8	298.4
250	622.0	30.2	324	406	25	12	361.9
300	698.0	31.7	381	483	25	12	431.8

Sr. No.	Parts Name	Material	Qty.
01	Body	C.I. / C.S. (ASTM A 216 Gr. WCB)	1
02	Bonnet	C.I. / C.S. (ASTM A 216 Gr. WCB)	1
03	Seat Ring	AISI 410 (13%CR)	1
04	Disc	AISI 410 (13%CR)	1
05	Stem	AISI 410 (13%CR)	1
06	Stem Nut	AISI 410 (13%CR)	1
07	Bonnet Bush	AISI 410	1
08	Gland	Carbon Steel	2
09	Gland Packing	Metallic wire Reinforced Graph Oil asbestos	-
10	Yoke Sleeve	NI - Resist	1
11	Bonnet Gasket	Asbestos Filters S.S 304 Spiral Wounded / CAF	1
12	Bonnet Stud & Nut	ASTM A 193 Gr. B7 / ASTM A194 Gr. 2H	-
13	Eye Bolt & Nut	ASTM A 193 Gr. B7 / ASTM A194 Gr. 2H	2set
14	Hand Wheel	Cast Iron	1
15	Hand Wheel Nut	Carbon Steel	1

Primary Service Rating & Test Pressure			
Class	Working Pressure	Hyd. Test Pressure	
		Body	Seat
150	150 PSIG(21 Kg/cm ²)	425 PSIG	300 PSIG
Air Test - Seat 80 PSI ± 10 PSI			

All dimensions are in M.M.

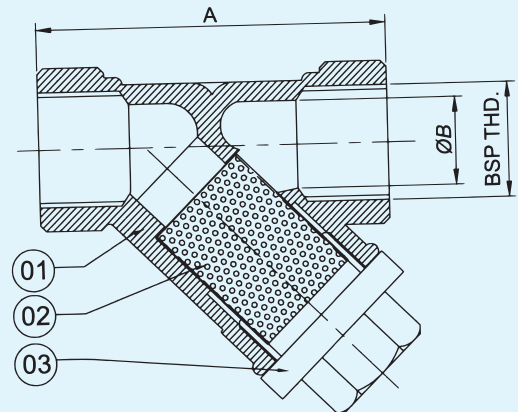
**Y STRAINER SCREWED END :****Technical Data :**

Face to Face	: As per "Y" Type
End Connections	: Screwed ends to BSP
Socket Weld Ends to	: ANSI B 16.11

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M / A 216 Gr. WCB (C.S.)/ C.I.	1
02	Screen	M.S. / S.S. - 202 / 304 / 316	1
03	Cover	ASTM A 351 Gr. CF8 / CF8M / A 216 Gr. WCB (C.S.)/ C.I.	1

Size NB	ØB	THRDS (BSP)	A
15	58	13	1 / 2"
20	73	19	3 / 4"
25	90	25	1"
32	92	30	1 ¼"
40	111	32	1 ½"
50	123	38	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				

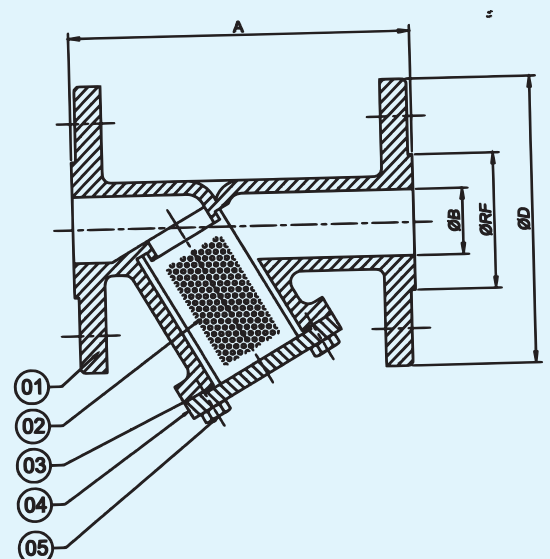
**DRAWING****Y STRAINER FLANGE END :****Technical Data :**

Face to Face	: As per DIN-40 Type ANSI B 16.10
End Connections	: Flanged as per ANSI B 16.10
Shell Wall Thickness	: ANSI B 16.34

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M / A 216 Gr. WCB (C.S.)/ C.I.	1
02	Screen	M.S. / S.S. - 202 / 304 / 316	1
03	Seat Ring	PTFE	1
04	Cover	ASTM A 351 Gr. CF8 / CF8M / A 216 Gr. WCB (C.S.)/ C.I.	1
05	Cover Nut Bolts	ASTM A 193 Gr. B7 / ASTM A 194 Gr. 2H	4

Size NB	A	ØB	ØD	RF
25	128	25	108	51
40	165	39	127	73
50	179	49	152	95
65	190	63	178	105
80	203	75	189	126
100	229	100	229	157

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				

**DRAWING**

**WAFER CHECK VALVE (NRV):****Technical Data :**

Design & Manufacturing Std : API 6D/ ANSI B 16.34

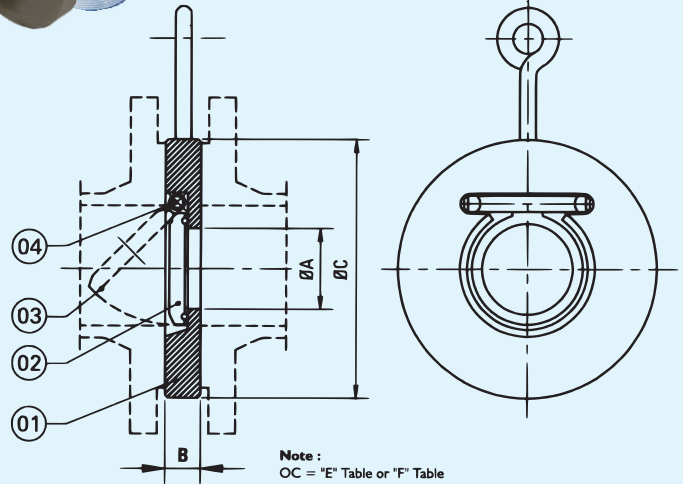
Testing & Inspection Std : API 598

End Connections : PN 10 / PN 16

**DRAWING**

Sr. No.	Parts Name	Material	Qty.
01	Body	C.I. / M.S. / S.S. 202 / 304 / 316	1
02	Disc	C.I. / M.S. / S.S. 202 / 304 / 316	1
03	'O' Ring	Nitrile, EPDM, VITON, Silicon, PTFE	1
04	Hinge	AISI 304, 316, M.S. / S.S. 202	1

Size		Dimension		ØC	
Inch	M. M	ØA	B	"E"	"F"
1.1 / 2"	40	12.5	18	74	92
2"	50	25	18	94	109
2.1 / 2"	65	32	18	110	129
3"	80	45	18	125	144
4"	100	68	18	155	164
5"	125	85	18	184	194
6"	150	110	18	210	219
8"	200	157	25	260	274
10"	250	195	25	305	330
12"	300	230	25	357	380



Note :
OC = "E" Table or "F" Table

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	
150	20° C to 180° C	225 PSIG	150 PSIG	

FORGED STEEL BALL VALVE:**Technical Data :**

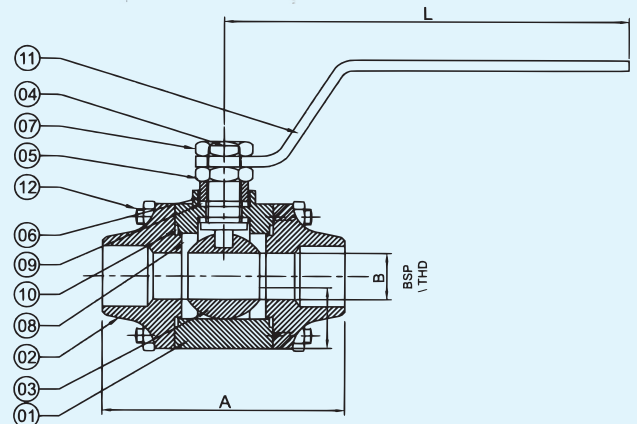
Design & Manufacturing Std : BS 5351, API 602

Testing & Inspection Std : API 598 / BS 5146

End Connections : Screwed BSP / BSPT / NPT /
Socket Weld**DRAWING**

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTMA - 105, A - 182 (F304 & F316)	1
02	Body Connector	ASTMA - 105, A - 182 (F304 & F316)	2
03	Ball	AISI 304, 316	1
04	Stem	AISI 304, 316	1
05	Gland Nut	AISI 304, 316, M.S	1
06	Gland Bush	PTFE	2
07	Lock Nut	AISI 304, 316, M.S	1
08	Seal Ring	PTFE	2
09	Stem Seal	PTFE	2
10	Body Sealant Ring	PTFE	2
11	Lever	M.S. / S.S.	1
12	Stud & Nut	193 B7 / S.S.	4

Size		Dimension		ØC	
Inch	M. M	ØA	B	"E"	"F"
1 / 2"	15	85	12.5	125	1 / 2"
3 / 4"	20	85	12.5	125	3 / 4"
1"	25	105	18	155	1"
1 1/4"	40	125	32	230	1 1/2"
2"	50	130	38	230	2"



Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
800	180° C	85 kg / cm2	60 kg / cm2	180° C
Air Test - Seat 7 kg / cm2				



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

DRAWING

BRIDGETECH INNOVATIONS LLP

Technical Data :

Design & Manufacturing Std : BS 5351 / API 602

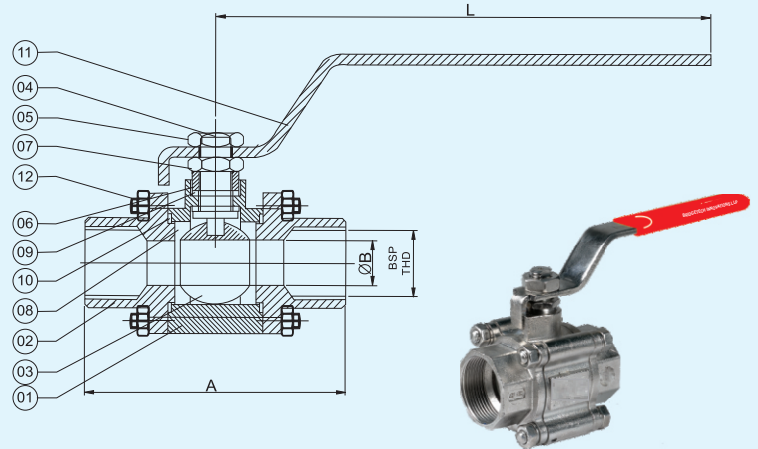
Testing & Inspection Std : API 598 / BS 5146

End Connections : BSP / BSPT / NPT, Socked Weld

Socket Weld : Ansi B 16.11

Size		A	ØC	L	THRDS. (BSP/NPT)
Inch	M.M.				
1 / 2"	15	78	13	145	1 / 2"
3 / 4"	20	82	19	160	3 / 4"
1"	25	90	25	168	1"
1 ¼"	32	100	32	175	1 ¼"
1 ½"	40	115	38	175	1 ½"
2"	50	135	50	175	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				



Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M / CF3M	1
02	Body Connector	ASTM A 351 Gr. CF8 / CF8M / CF3M	1
03	Ball	-Do- / AISI 304 / 316 / 304L / 316L	1
04	Stem	AISI 304 / 316 / 304L / 316L	1
05	Gland Nut	M.S. / AISI 304 / 316 / 304L / 316L	1
06	Gland Bush	M.S. / AISI 304 / 316 / 304L / 316L	2
07	Lock Nut	M.S. / AISI 304 / 316 / 304L / 316L	1
08	Seal Ring	PTFE / GFT, CARBON, BRONZE	1
09	Stem Seal	PTFE / GFT, CARBON, BRONZE	2
10	Body Sealant Ring	PTFE / GFT, CARBON, BRONZE	1
11	Lever	M.S. / S.S. - 202 / 304 / 316	1
12	Stud & Nuts	M.S. / S.S. - 202 / 304 / 316	1

DISC CHECK VALVE (DCV) : NON RETURN VALVE

DRAWING

Technical Data :

Design & Manufacturing Std : API 6 D / ANSI B 16.34

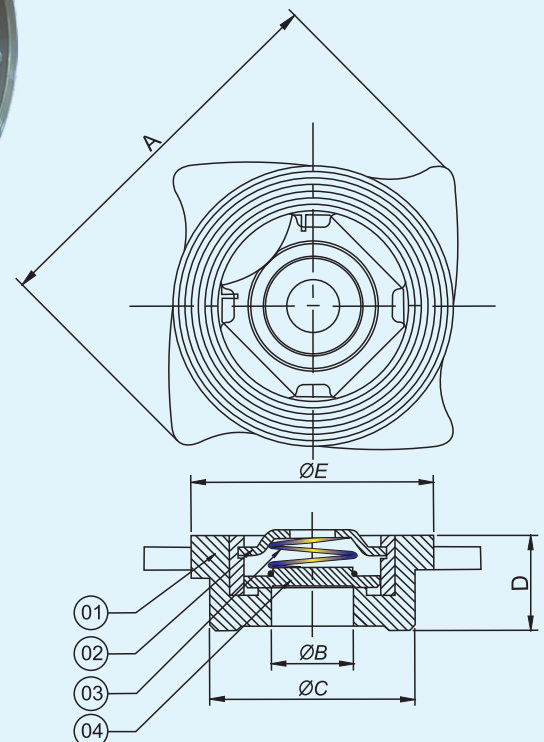
Testing & Inspection Std : API 598

Pressure Calss : PN 16 / PN 40



Size NB	A	ØB	ØC	D	ØE
15	60	15	37	17	42
20	68	20	44	19	52
25	79	25	55	22	60
40	100	40	80	31	84
50	113	50	92	40	94
65	137	62	107	46	115
80	152	79	122	50	132
100	178	100	142	61	155

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 351 Gr. CF8 / CF8M	1
02	Spring	S.S. - 202 / 304 / 316	1
03	Lock Plate	S.S. - 202 / 304 / 316	1
04	Cover Plate	ASTM A 351 Gr. CF8	1





BALL VALVE SINGLE PIECE, SCREWED END :

BRIDGETECH INNOVATIONS LLP

DRAWING

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

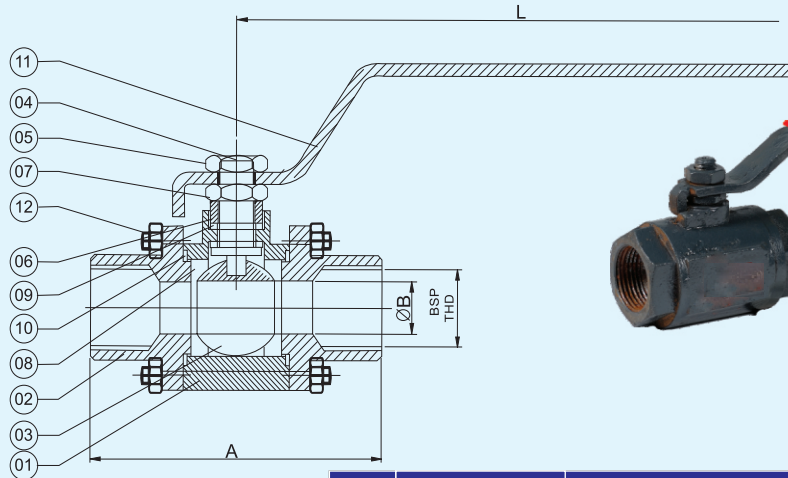
: BSP / BSPT / NPT

Socket Weld

: Ansi B 16.11

Size		A	ØC	L	THRDS.
Inch	M.M.				
1 / 4"	8	052	10	110	1 / 4"
3 / 8"	10	052	10	110	3 / 8"
1 / 2"	15	065	13	125	1 / 2"
3 / 4"	20	076	18	125	3 / 4"
1"	25	085	25	125	1"
1 1/4"	32	100	32	175	1 1/4"
1 1/2"	40	100	38	175	1 1/2"
2"	50	120	50	175	2"
2 1/2"	65	151	63	252	2 1/2"
3"	80	171	75	252	3"
4"	100	180	98	252	4"

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	180° C
Air Test - Seat 80 PSI ± 10 PSI				



Sr. No.	Parts Name	Material	Qty.
01	Body	M.S. / C.S. / S.S. 202 / 304 / 316	1
02	Body Connector	M.S. / C.S. / S.S. 202 / 304 / 316	1
03	Ball	S.S. 202 / 304 / 316	1
04	Stem	S.S. 202 / 304 / 316	1
05	Gland Nut	S.S. 202 / 304 / 316 / M.S.	1
06	Gland Bush	S.S. 202 / 304 / 316 / M.S.	1
07	Lock Nut	S.S. 202 / 304 / 316 / M.S.	1
08	Seal Ring	PTFE	2
09	Stem Seal	PTFE	2
10	Body Sealant Ring	PTFE	1
11	Lever	M.S. / S.S. - 202 / 304 / 316	1

BALL VALVE THREE PIECE SCREWED END :

Technical Data :

Design & Manufacturing Std : BS 5351 / API 602

Testing & Inspection Std : API 598 / BS 5146

End Connections

: Screwed : BSP / BSPT / NPT, Socket Weld

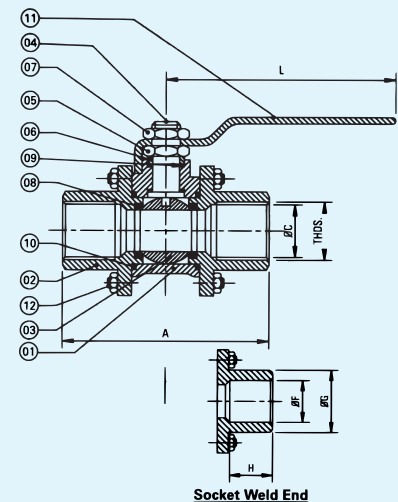
Socket Weld

: Ansi B 16.11

DRAWING

Size		A	ØC	L	THRDS.
Inch	M.M.				
1 / 2"	15	90	13	155	1 / 2"
3 / 4"	20	90	19	160	3 / 4"
1"	25	95	25	160	1"
1 1/4"	32	110	32	160	1.1 / 4"
1 1/2"	40	120	38	178	1.1 / 2"
2"	50	130	50	178	2"
2 1/2"	65	144	64	190	2.1 / 2"
3"	80	160	79	190	3"

Primary Service Rating & Test Pressure				
Class	Working Pressure	Hyd. Test Pressure		
		Body	Seat	Temp.
150	150 PSIG	425 PSIG	300 PSIG	180° C
Air Test - Seat 80 PSI ± 10 PSI				



Sr. No.	Parts Name	Material	Qty.
01	Body	C.S. / C.I. / S.S. 304 / S.S. 316	1
02	Body Connector	C.S. / C.I. / S.S. 304 / S.S. 316	2
03	Ball	S.S. 202 / 304 / 316	1
04	Stem	S.S. 202 / 304 / 316	1
05	Gland Nut	M.S. / S.S. 202 / 304 / 316	1
06	Gland Bush	M.S. / S.S. 202 / 304 / 316	1
07	Lock Nut	M.S. / S.S. 202 / 304 / 316	1
08	Seal Ring	PTFE / GFT / Carbon / Bronze	2
09	Stem Seal	PTFE / GFT / Carbon / Bronze	2
10	Body Sealant Ring	PTFE / GFT / Carbon / Bronze	2
11	Lever	M.S. / S.S.	1
12	Stud & Nut	M.S. / S.S.	4

Pressure in CI Material is 215 PSIG only



SWING CHECK VALVE (NRV) :

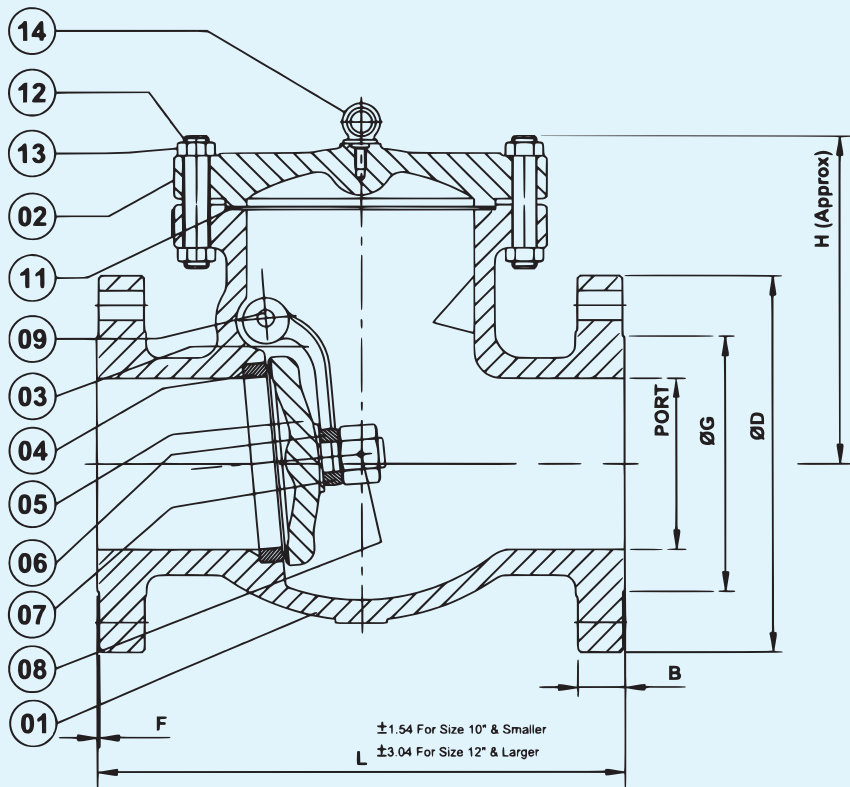
BRIDGETECH INNOVATIONS LLP

Technical Data :

Manufacturing Std	: Bs 1873
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 Rf / bs 1560



DRAWING



Size	FB	L	H	ØD	B	ØG	ØJ	PCD	N
25	25	127	95	108	11.18	50.8	15.75	79.25	04
32	32	139.8	102	117	12.7	63.5	15.75	89	04
40	38	165.2	110	127	14.22	73.15	15.75	98.5	04
50	51	203	130	154.4	15.75	92	19.05	120.65	04
65	64	216	140	178	17.53	104.65	19.05	139.7	04
80	76	241.3	162	190.5	19.05	127	19.05	152.4	04
100	102	292	187	228.6	23.88	157.23	19.05	190.5	08
125	127	330	217	254	23.88	185.67	22.35	216	08
150	152	355.6	235	279.4	25.4	215.9	22.35	241.3	08
200	203	465.3	285	343	28.45	270	22.35	298.45	08
250	254	622.3	338	406	30.23	324	25.40	362	12
300	305	698.5	380	483	31.75	381	25.40	432	12

All dimensions are in M.M.

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 216 Gr. WCB	1
02	Cover	ASTM A 216 Gr. WCB	1
03	Hinge	ASTM A 216 Gr. WCB	1
04	Sear Ring	AISI 410 / ASTM A 217 Gr. Ca15	1
05	Disc	ASTM A 217 Gr. Ca 15 / WCB + 13 Cr. Facing	1
06	Disc Returning Nut	AISI 304	1
07	Disc Washer	AISI 304 / 410	1
08	Cotter Pin	AISI 304	1
09	Hinge in	AISI 410	1
10	Plug	Carbon Steel	1
11	Cover Gasket	Asbestos Filler SS 304 Spiral Wounded / caf	1
12	Cover Studs	ASTM A 193 Gr. B7	Req
13	Cover Nuts	ASTM A 194 Gr. 2H	Req
14	Lifting Eye Ball	Carbon Steel	1

Primary Service Rating & Test Pressure			
Class	Working Pressure	Hyd. Test Pressure	
		Body	Seat
150	150 PSIG(21 Kg/cm ²)	425 PSIG	300 PSIG
Air Test - Seat 80 PSI ± 10 PSI			



FORGED STEEL GATE & GLOBE VALVE :

BRIDGETECH INNOVATIONS LLP

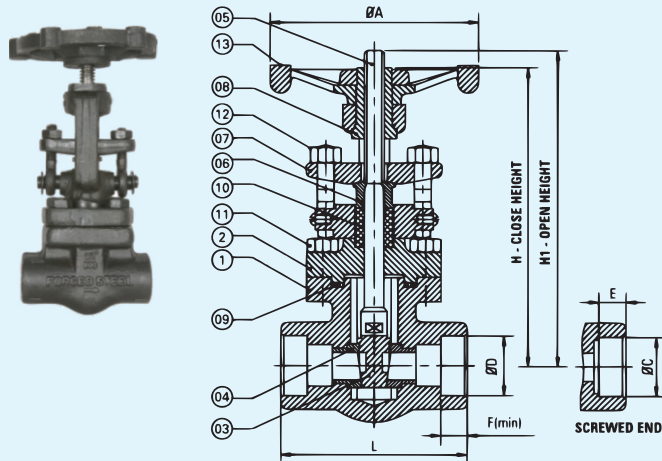
Technical Data :

Manufacturing Std	: BS 5352
Testing & Inspection Std	: BS 6755 (Part-1)
Face to Face	: As Per Ansi B 16.10
End Connections	: Screwed Ends to BSPT / BSPT / NPT
Shell Wall Thickness	: ANSI B 16.11

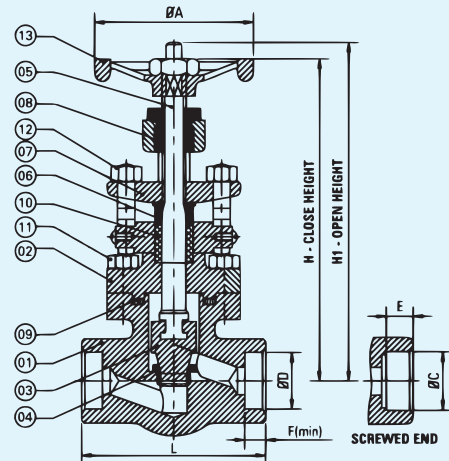
Technical Data :

Manufacturing Std	: BS 5352 / API 602
Testing & Inspection Std	: BS 6755 (Part-1) / API 602
Face to Face	: As Per Ansi B 16.10
End Connections	: Screwed Ends to BSPT / BSPT / NPT
Shell Wall Thickness	: ANSI B 16.11

FORGED STEEL GATE VALVE



FORGED STEEL GLOBE VALVE



DRAWING

F.S. GATE VALVE

CLASS 800#

Size	L	H	H1	ØA	Scr. Ends		SW Ends		
					ØC	E	Max.	Min.	F (Min.)
15	85	162	170	90	1 1/2"	13.56	22.22	21.72	9.65
20	92	170	180	90	3/4"	13.87	27.56	27.05	12.70
25	105	190	202	90	1"	17.35	34.29	33.78	12.70
40	127	213	260	145	1 1/2"	18.38	49.15	48.64	12.70
50	140	255	272	145	2"	19.23	61.62	61.11	15.75

CLASS 1500#

Size	L	H	H1	ØA	Scr. Ends		SW Ends		
					ØC	E	Max.	Min.	F (Min.)
15	92	170	180	90	1 1/2"	13.56	22.22	21.72	9.65
20	105	190	202	90	3/4"	13.87	27.56	27.05	12.70
25	1274	243	260	145	1"	17.35	34.29	33.78	12.70
40	140	255	272	145	1 1/2"	18.38	49.15	48.64	12.70

F.S. GLOBE VALVE

CLASS 800#

Size	L	H	H1	ØA	Scr. Ends		SW Ends		
					ØC	E	Max.	Min.	F (Min.)
15	85	152	162	90	1 1/2"	13.56	22.22	21.72	9.65
20	92	161	170	90	3/4"	13.87	27.56	27.05	12.70
25	105	175	190	90	1"	17.35	34.29	33.78	12.70
40	127	240	213	145	1 1/2"	18.38	49.15	48.64	12.70
50	140	255	255	145	2"	19.23	61.62	61.11	15.75

CLASS 1500#

Size	L	H	H1	ØA	Scr. Ends		SW Ends		
					ØC	E	Max.	Min.	F (Min.)
15	92	161	176	90	1 1/2"	13.56	22.22	21.72	9.65
20	105	175	198	90	3/4"	13.87	27.56	27.05	12.70
25	1274	240	278	145	1"	17.35	34.29	33.78	12.70
40	140	255	298	145	1 1/2"	18.38	49.15	48.64	12.70

Sr. No.	Parts Name	Material	Qty.
01	Body	ASTM A 105 / F11 / F 22 / F 304 / F 316	1
02	Bonnet	ASTM A 105 / F11 / F 22 / F 304 / F 316	1
03	Disc	AISI 410 / 304 / 316	1
04	Seat Ring	AISI 410 / 304 / 316	1
05	Spindle	AISI 410 / 304 / 316	1
06	Gland	AISI 410 / 304 / 316	1
07	Gland Flange	ASTM A 105 / Carbon Steel / F 304	1
08	Stem Nut	NI-Rest-A 439 Gr. D2 / EN 1A	1
09	Bonnet Gasket	Asbestos Filler SS 304 Spiral Wounded	1
10	Gland Packing	Graphite Asbestos with S.S. wirw	Req.
11	Bonnet Bolts	ASTM A193 Gr. B7 / B8	4
12	Eye Bolt & Nut	Carbon Steel / SS 304	2 set
13	Hand Wheel	C.I. / M.S. / D.I.	1

Test Pressure

Testing	Hyd. Test Pressure		Pneumatic
	800#	1500#	
Body	3000 PSIG	5400 PSIG	-
Back Seat	2000 PSIG	4000 PSIG	-
Seat	2000 PSIG	4000 PSIG	80 PSIG



FULL VIEW SIGHT GLASS :

Technical Data :

Face to Face : As per Standard Length

End Connections : Flange Ends

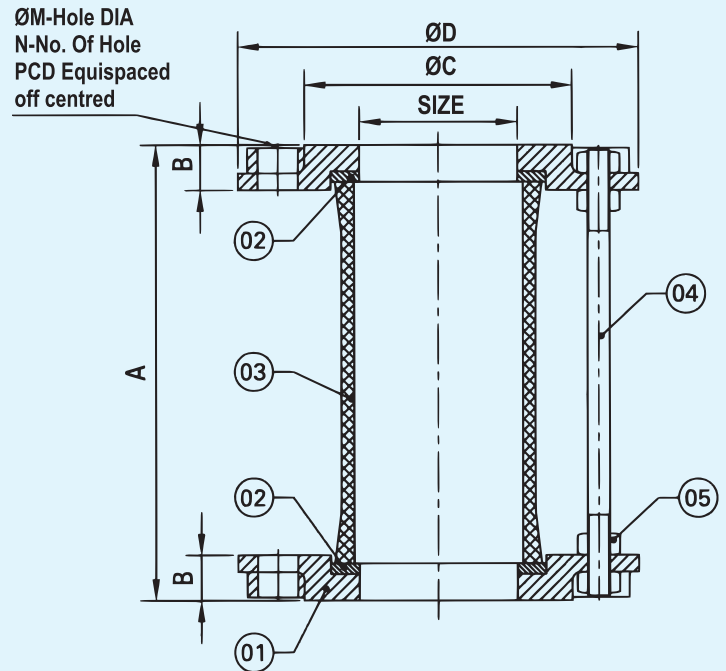


DRAWING

Sr. No.	Parts Name	Material	Qty.
01	Flange	M.S. / S.S. 304 / S.S. 316	2
02	Gasket	PTFE	2
03	Glass Tube	Buttress Borosilicate	1
04	Stud	S.S. 202 / 304 / 316	4
05	Nut	S.S. 202 / 304 / 316	8

Size NB	A (6")	A (4")	B	ØC	ØD	ØM	N	PCD
15	185	136	14	34	88	12.2	04	58.5
20	185	136	14	34	88	12.2	04	58.5
25	185	136	19	50	107	15	04	78.5
40	185	136	19	70	125	15.6	04	97
50	185	136	20	88	150	19	04	119
65	185	136	20.5	104	178	19	04	140
80	185	136	20.5	124	189	19	04	150
100	185	136	24	155	227	19	04	189
150	185	136	24	216	279	23	08	240

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



MILD STEEL VALVE

Size : 1/4" to 8" (08 MM to 200 MM)

- 1pc Design Ball Valve
- 2Pc Design Ball Valve
- 3Pc Design Ball Valve
- 3Way Design Ball Valve
- 4Way Design Ball Valve



SPECIAL SERVICE BALL VALVE For Pharmaceutical Industries

Size : 1/4" to 4" (08MM to 100 MM)

Material : ASTM A 351 Gr.CF8 - CF8M

Ends : Screwed End to BSP / NPT

Socket Weld / Butt Weld / Tube End / Triclover End /

Flanged to ANSI B 16.5 RF (150#)

