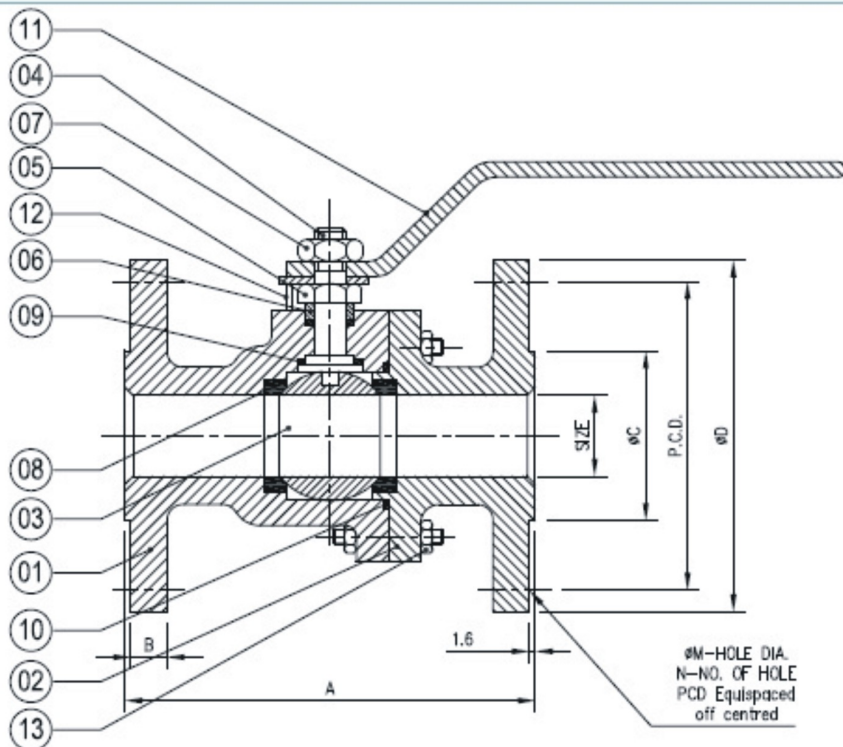




SIZE		CLASS - 150							
IN.	M.M.	A	B	Ø C	Ø D	Ø M	N	PCD	
1/2"	15	108	10.0	35	89.0	16	4	60.4	
3/4"	20	118	10.5	43	98.0	16	4	69.8	
1"	25	127	11.0	51	108.0	16	4	79.2	
1.1/4"	32	140	12.7	64	117.0	16	4	88.9	
1.1/2"	40	165	14.2	73	127.0	16	4	98.5	
2"	50	178	15.7	92	152.0	19	4	120.6	
2.1/2"	65	191	17.5	105	178.0	19	4	139.7	
3"	80	203	19.0	127	190.5	19	4	152.4	
4"	100	229	24.0	157	229.0	19	8	190.5	
5"	125	254	24.0	186	254.0	22	8	215.9	
6"	150	267	25.0	216	279.0	22	8	241.3	
8"	200	292	28.5	270	343.0	22	8	298.4	
10"	250	330	30.0	324	406.0	25	12	362.0	

SIZE		CLASS - 300							
IN.	M.M.	A	B	Ø C	D	Ø M	N	PCD	
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	190.5	20.5	73	155.5	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	
5"	125	381.0	35.0	186	279.4	22	8	235.0	
6"	150	403.0	36.5	216	317.5	22	12	269.7	
8"	200	419.0	41.0	270	381.0	25	12	330.2	
10"	250	457.0	47.5	324	444.5	28	16	387.4	

SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	C.S. / CF8 / CF8M	1
02	BODY CONNECTOR	C.S. / CF8 / CF8M	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	SEAT RING	PTFE	2
09	STEM SEAL	PTFE	2
10	BODY SEALANT RING	PTFE	1
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.	-

TECHNICAL DATA

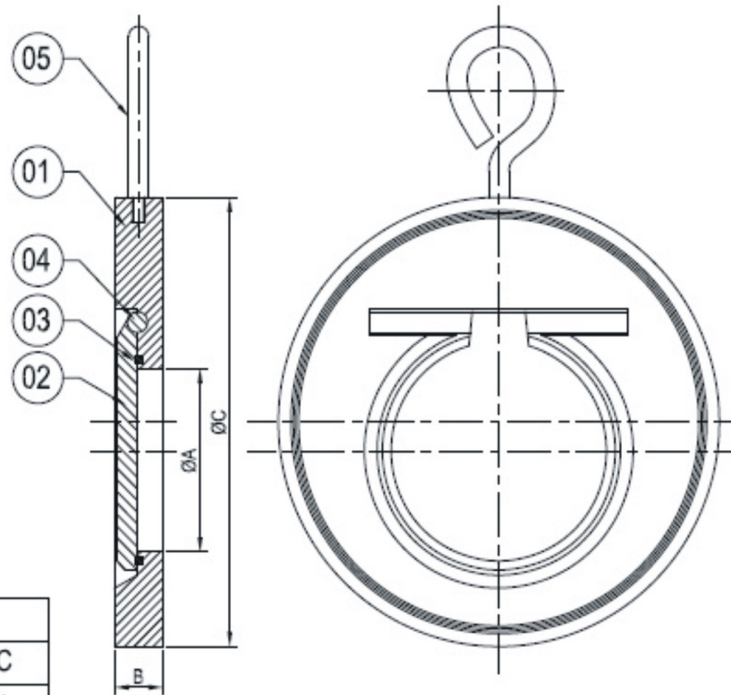
DESIGN & MANUFACTURING STD.	BS 5351 / API 6 D
TESTING & INSPECTION STD.	API 598 / BS 5146
END CONNECTIONS :	FLANGED AS PER ANSI B 16.5
SOCKET WELD ENDS	
FACE TO FACE :	AS PER ANSI B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
150	150 PSIG	180 ° F	425 PSIG	300 PSIG
300	300 PSIG	200 ° F	1100 PSIG	800 PSIG

AIR TEST - SEAT 80 PSIG ± 10 PSIG

P E R F E C T	CLIENT	
	P.O./ENQ. No.	
	TITLE: BALL VALVE TWO PIECE (FLANGE END) 150# , 300#	
	ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED	
C T	DRN: KAM.	CHKD:
	APPD:	REV DATE
SCALE DWG.No.		SHEET
N.T.S FV -		1 OF 1



SIZE		DIMENSION		
IN.	M.M.	ØA	B	ØC
1"	25	14	16	64
1 1/2"	40	22	19	86
2"	50	30	19	104
2 1/2"	65	40	19	123
3"	80	52	19	136
4"	100	71	19	174
5"	125	93	19	196
6"	150	114	19	221
8"	200	157	28	278
10"	250	195	28	339
12"	300	230	38	409
14"	350	270	44	449
16"	400	310	50	512
18"	450	360	60	545
20"	500	406	63	605
24"	600	490	70	714

SR. NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	C.I. / M.S. / CF8 / CF8M / CF3 / CF3M	1
02	DISC	C.I. / M.S. / CF8 / CF8M / CF3 / CF3M	
03	'O' RING	NITRILE, EPDM, VTION, SILICON, PTFE	1
04	HINGE PIN	AISI 304, 316, M.S.	1
05	LIFTING HOOK	MS / SS	1

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	API 6D / ANSI B 16.34
TESTING & INSPECTION STD.	API 598
PRESSURE CLASS :	150#

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
150	20°C TO 180°C		225 PSIG	150 PSIG

P E R F E C T	CLIENT			
	P.O./ENQ. No.			
	PERFECT ENGINEERING BARODA-01.		DRN: KAM.	CHKD:
			APPD:	REV DATE
			WAIVER TYPE CHECK VALVE (150#)	
			ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED	
			SCALE DWG.No. N.T.S FV -	
			SHEET 1 OF 1	

PERFECT ENGINEERING BARODA-01.

GLOBE VALVE

OS & Y Type,
Rising Spindle, Bolted Bonnet.

NOMENCLATURE

NO.	PART NAME	MATERIAL
1	Body	ASTM A 216 Gr. WCB
2	Bonnet	ASTM A 216 Gr. WCB
3	Seat Ring	13% Cr. Steel Depositions
4	Disc	ASTM A 216 Gr. WCB + 1.7% Cr. Steel
5	Disc Nut	AISI 410
6	Stem	AISI 410
7	Back Sheet Bush	AISI 410
8	Gland Bush	AISI 410
9	Gland Flange	M.S.
10	Gland Packing	GRAFOL
11	Gasket	S.S. 304 SPIRAL WOUND WITH GRAPHITE FLR
12	Yoke Bush	S.S. 304
13	Bonnet Bolt & Nut	ASTM A 193 Gr. B7/ASTM A 194 Gr. 2H
14	Eye Bolt & Nut	C.S.
15	Cross Pin & Nut	C.S.
16	Hand Wheel	S.S. 304
17	Wheel Nut	C.S.

FEATURES

- * Deep Stuffing Box With Lantern Ring Option
- * Graphite Ring Ensures Effective Stem Sealing
- * Hardened Back Sheet Optional

Design Standard : BS 1873

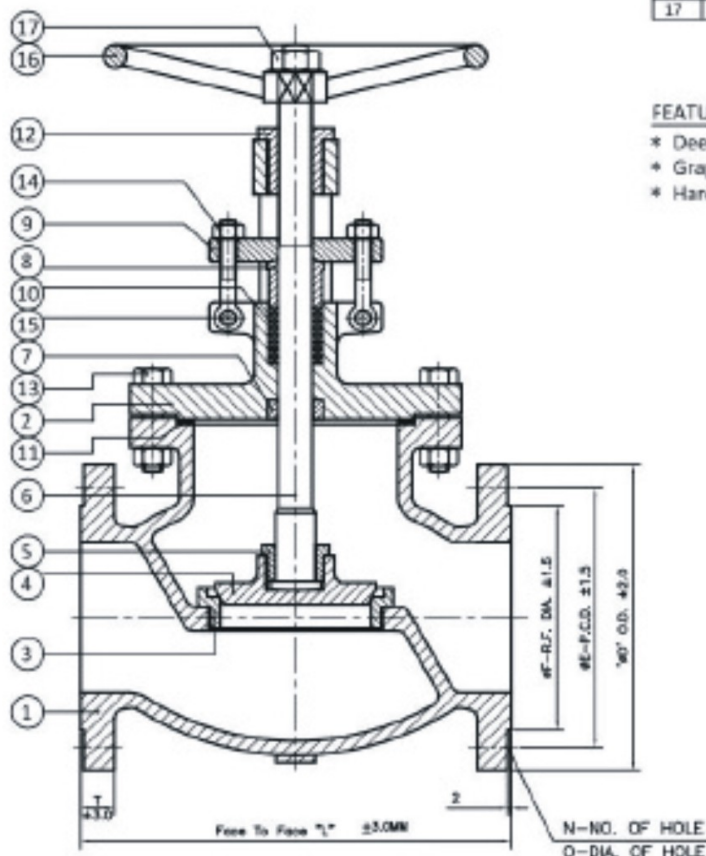
Testing Standard : API 598

Pressure Rating : 150W

End Connection : Flanged End, RF

Flange Drilling : As Per ASME B 16.5

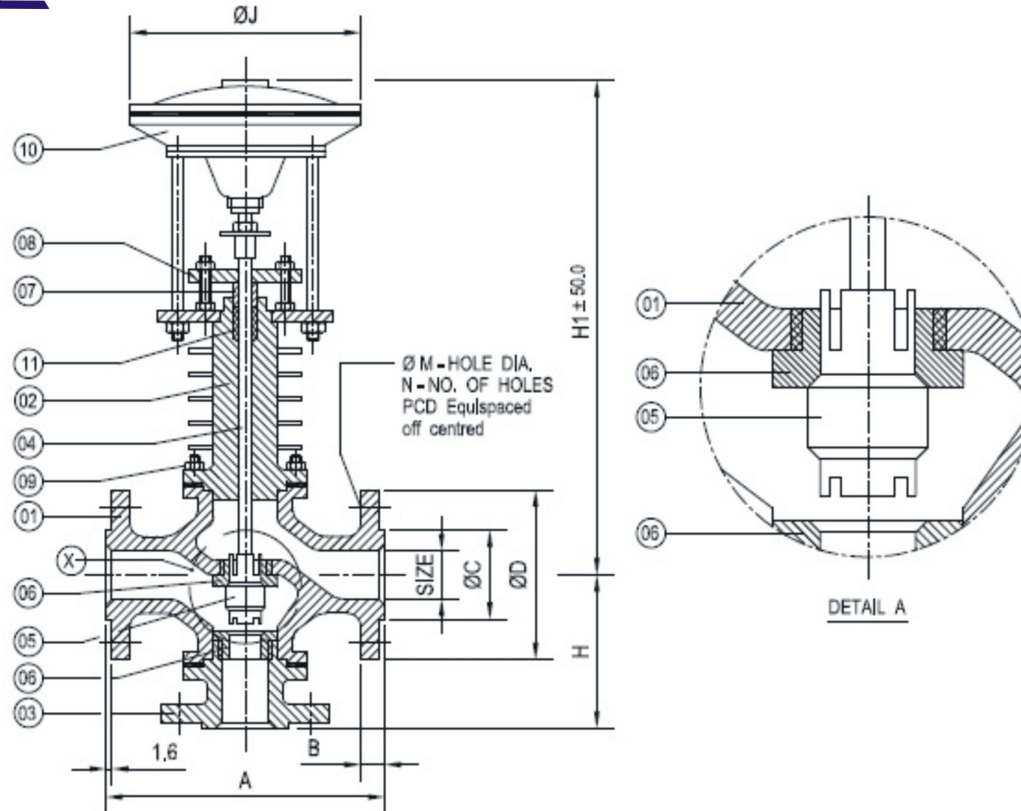
Face To Face : As Per ASME B 16.10



SIZE	350
L	787
BD	535
gE	476.3
gF	412.8
N	12
BO	28.5
T	35.4

Test Pressure in Kg./Cm ²	
Test	Hydrostatic
	250W
Shell	30
Seat	21
Back Seat	21

All Dimensions Are In mm



SIZE		CLASS - 150									
IN.	M.M.	A	B	Ø C	Ø D	H	H1	Ø M	N	PCD	Ø J
1"	25	184	11.0	51	108.0	143	595	16	4	79.0	290
1.1/2"	40	222	14.2	73	127.0	200	595	16	4	98.5	290
2"	50	254	15.7	92	152.0	220	675	19	4	120.6	290
2.1/2"	65	276	17.5	105	178.0	250	695	19	4	139.7	290
3"	80	298	19.0	127	190.5	265	700	19	4	152.4	380
4"	100	352	24.0	157	229.0	290	700	19	8	190.5	525

NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A 216 Gr. WCB	1
02	BONNET	ASTM A 216 Gr. WCB	1
03	BONNET FLANGE	ASTM A 216 Gr. WCB	1
04	STEM	AISI 304 / SS 410	1
05	PLUG	AISI 304 / SS 410	1
06	SEAT RING	AISI 304 / SS 410	2
07	GLAND BUSH	AISI 304 / SS 410	1
08	GLAND PLATE	M.S.	1
09	BONNET STUD & NUT	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	-
10	ACTUATOR	ALUMINIUM / MS	1
11	GLAND PACKING	METALIC WIRE REINFORCED GRAPHITED ASBESTOS	-

TECHNICAL DATA

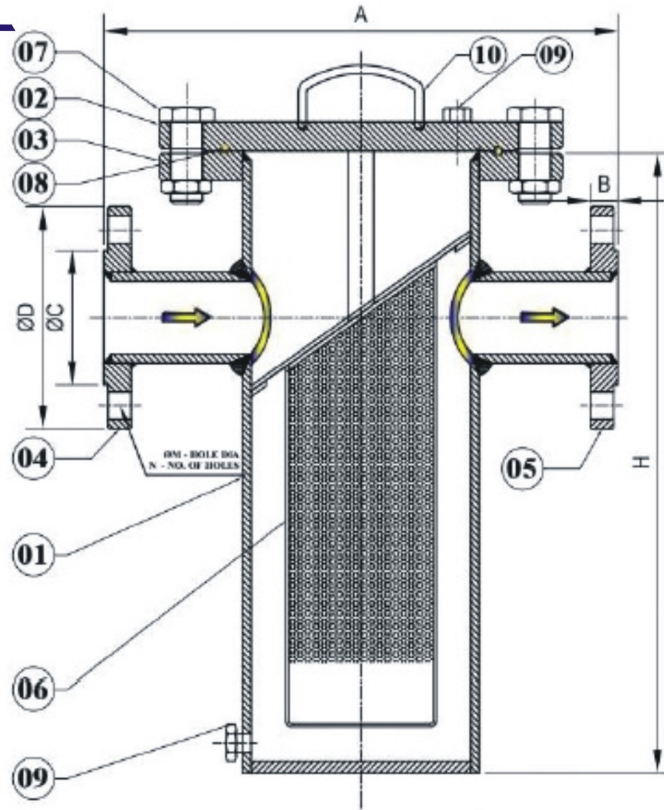
DESIGN & MANUFACTURING STD.	
TESTING & INSPECTION STD.	ANSI B 16.37 / API 598
SEAL LEAKAGE STD. :	FCI - 70 - 2 / ISA - RP - 39.6
END CONNECTIONS :	ANSI B 16.5

PRIMARY SERVICE RATING & TEST PRESSURE

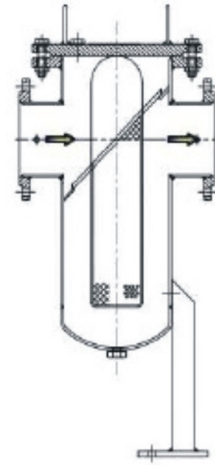
CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS. BODY	SEAT
150	150 PSIG	500°F	425 PSIG	300 PSIG

AIR TEST - SEAT 80 PSIG ±10 PSIG

P E R F E C T	CLIENT				
	P.O./ENQ. No.				
	DRN: KAM. CHKD: APPD: REV DATE TITLE: 3 WAY PNEUMATIC CONTROL VALVE(150#) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED SCALE DWG.No. N.T.S FV - SHEET 1 OF 1				
	PERFECT ENGINEERING BARODA-01.				



DESIGN ON REQUEST



SIZE	CLASS - 150							
	MM	INCH	A	H	B	C	D	M N P.C.D
650 26"	1300	1600	50.8	667	870	35	24	806

SR. NO.	PARTS NAME	MAT.	QTY.
01.	BODY	IS 2062	01
02.	TOP COVER	IS 2062	01
03.	BODY COVER	IS 2062	01
04.	INLET FLANGE	IS 2062	01
05.	OUTLET FLANGE	IS 2062	01
06.	SCREEN	SS 304	01
07.	COVER BOLT & NUT	CARBON STEEL	--
08.	GASKET	NITRILE	01
09.	DRAIN PLUG & VENT PLUG	ASTM A105	01
10.	LIFTING HANDLE	CARBON STEEL	01

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	MENUFACTURING
TESTING & INSPECTION STD.	
END CONNECTIONS :	FLANGED AS PER ANSI B 16.5 - 150#
SHELL WALL THICKNESS	AS PER PIPE STANDARD
FACE TO FACE :	AS PER ANSI / B 16.10 SHOWN

PRIMARY SERVICE RATING & TEST PRESSURE

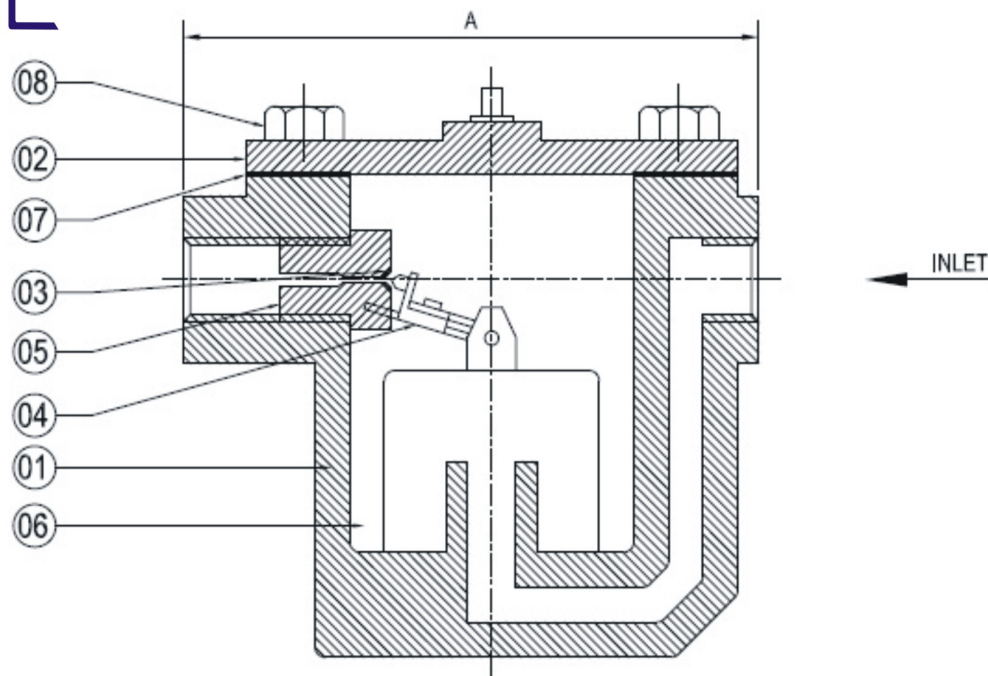
CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE BODY	SEAT
150			225 PSIG	150 PSIG

AIR TEST - SEAT 80 PSIG ± 10 PSIG

P E R F E C T	CLIENT		DRN: KAM.	CHKD:	APPD:	REV	DATE
	P.O./ENQ. No.		TITLE: M.S. FABRICATED "BASKET" TYPE STRAINERS (FE) 150#				
	PERFECT ENGINEERING BARODA-01.						
	ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED						SHEET 1 OF 1



SCALE: DWG.No. N.T.S FV -



SIZE		
IN.	M.M.	A
1/2"	15	177
3/4"	20	177
1"	25	
1.1/2"	40	252
2"	50	252

NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	C.I. IS:210 GR. 220	1
02	COVER	C.I. IS:210 GR. 290	1
03	SEAT	S.S. 304	1
04	VALVE	GUN METAL	1
05	NIPPLE	GUN METAL	1
06	BUCKET	S.S.	1
07	GASKET	GRAPHITE	1
08	NUT & BOLT	CAR BON STEEL	—

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	IS 12268
TESTING & INSPECTION STD.	IS 12268
END CONNECTIONS :	SCREWED BSF (F)

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE BODY	SEAT
150	150 PSIG	220° C	300 PSIG	

P E R F E C T	CLIENT					
	P.O./ENQ. No.					
	PERFECT ENGINEERING BARODA-01.	DRN: KAM.	CHKD:	APPD:	REV	DATE
		TITLE: HORIZONTAL INVERTED BUCKET TYPE STEAM TRAP				
		ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED				
		SCALE DWG.No. N.T.S FV -			SHEET 1 OF 1	

SIZE		A	B	C	D	E	F	G	TOP FLNAGE MOUNTING (I.S.O 5211)
IN.	M.M.								
200	8"	60	230	156	200	285	300	15	F 10
250	10"	68	266	196	250	285	350	18	F 10
300	12"	78	300	230	298	285	350	18	F 10
350	14"	92	320	272	348	300	350	22	F 12
400	16"	102	385	302	394	305	500	22	F 14
450	18"	114	405	325	433	305	500	24	F 14

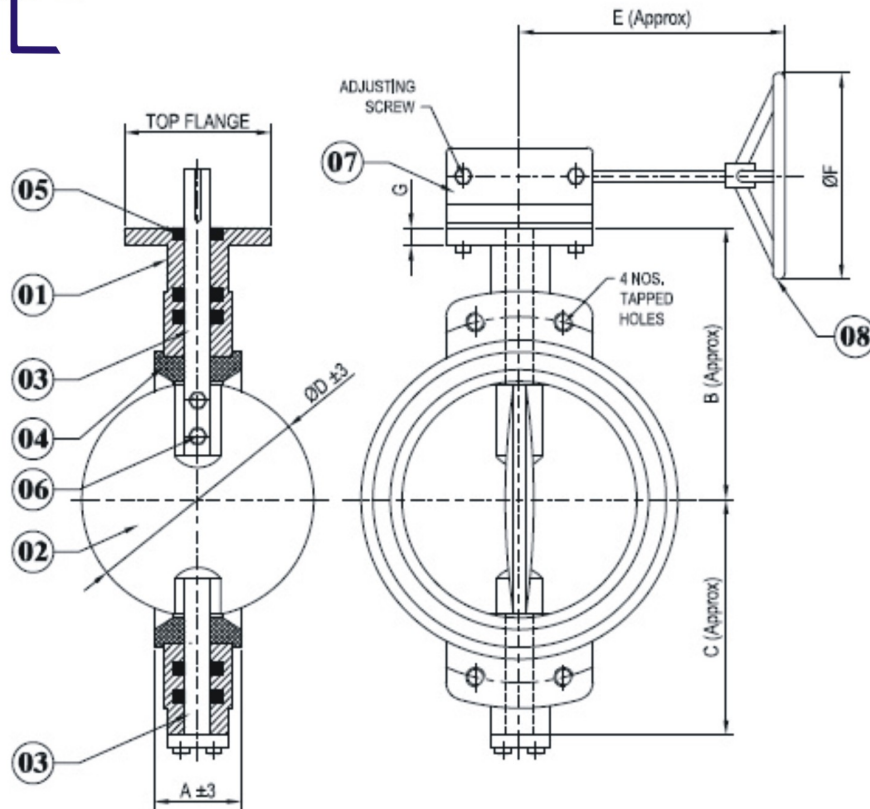
SR. NO.	PARTS NAME	MATERIAL	QTY.
01.	BODY	CAST IRON , CAST STEEL / SS 304-316	1
02.	DISC	CI / SG IRON / CAST STEEL / SS 304-316	1
03.	SPINDLE	SS 410 / 304 / 316	1
04.	BODY LINING	NITRILE / EPDM / SILICON / VITON / HYPALON	—
05.	"O" RING	NITRILE / EPDM	1
06.	PIN	SS 304 / 316	1
07.	GEAR BOX	CAST IRON	1
08.	HAND WHEEL	MS FABRICATED	1

SEAT TYPE	TEMPERATURE RANGE	
	Minum	Maximum
NITRILE	-13° F (-25°C)	212° F (100°C)
EPDM	-13° F (-25°C)	250° F (120°C)
SILICON	-58° F (-50°C)	356° F (180°C)
VITON	-23° F (-5°C)	392° F (200°C)
HYPALON	-4° F (-20°C)	250° F (120°C)

PRESSURE RATING	HYDROSTATIC SHELL TEST		HYDROSTATIC SHELL TEST	
	Kg/CM ²	P S I	Kg/CM ²	P S I
PN 16	22	310	16	225
PN 10	15	210	10	140

TECHNICAL DATA	
DESIGN & MANUFACTURE	: - BS 5155 / API 609 / EN 593 / IS 13095
FACE TO FACE DIMENSION	: - BS 5155 / ISO 5792 / API 609
TOP FLANGE DRILLING	: - ISO 5211
INSPECTION & TESTING	: - BS 6755 PART -1 / API 598 / EN 1266-1
FLANGE STANDARD CONFORMITY	: - ANSI 150 / ANSI 125 / BS 10 TAB D & E IS 6392 NP 0.6 / 1.0 / 1.6

P E R F E C T	CLIENT					
	P.O./ENQ. No.					
	PERFECT ENGINEERING BARODA-01.	DRN: KAM.	CHKD:	APPD:	REV	DATE
		TITLE: WAFER TYPE BUTTER FLY VALVE				
		ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED				
		SCALE DWG.No. N.T.S FV -			SHEET 1 OF	



SIZE		A	B	C	D	E	F	G	TOP FLANGE MOUNTING (I.S.O 5211)
IN.	M.M.								
550	20"	127	465	405	470	370	500	26	F 16
550	22"	127	490	415	525	370	500	26	F 16
600	24"	154	540	460	570	350	600	26	F 16
700	28"	229	565	515	660	380	600	28	F 16
750	30"	229	590	540	740	380	600	28	F 25
800	32"	241	588	650	760	396	600	28	F 25
900	36"	241	720	660	890	396	600	28	F 25

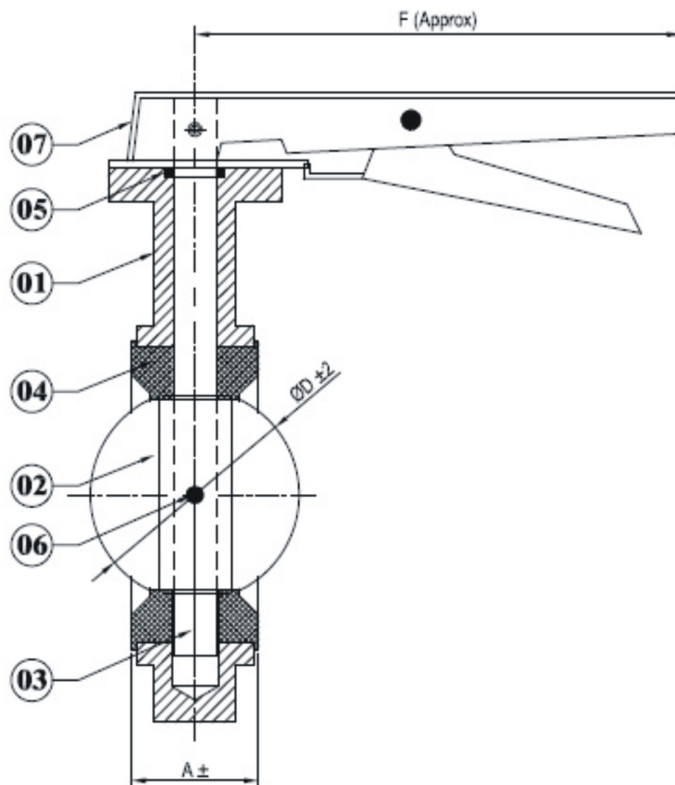
SR. NO.	PARTS NAME	MATERIAL	QTY.
01.	BODY	CAST IRON, CAST STEEL / SS 304-316	1
02.	DISC	CI / SG IRON / CAST STEEL / SS 304-316	1
03.	SPINDLE	SS 410 / 304 / 316	1
04.	BODY LINING	NITRILE / EPDM / SILICON / VITON / HYPALON	—
05.	"O" RING	NITRILE / EPDM	1
06.	PIN	SS 304 / 316	1
07.	GEAR BOX	CAST IRON	1
08.	HAND WHEEL	MS FABRICATED	1

SEAT TYPE	TEMPERATURE RANGE	
	Minimum	Maximum
NITRILE	-13° F (-25°C)	212° F (100°C)
EPDM	-13° F (-25°C)	250° F (120°C)
SILICON	-58° F (-50°C)	356° F (180°C)
VITON	-23° F (-5°C)	392° F (200°C)
HYPALON	-4° F (-20°C)	250° F (120°C)

PRESSURE RATING	HYDROSTATIC SHELL TEST		HYDROSTATIC SHELL TEST	
	Kg/CM ²	P S I	Kg/CM ²	P S I
PN 16	22	310	16	225
PN 10	15	210	10	140

TECHNICAL DATA	
DESIGN & MANUFACTURE	: - BS 5155 / API 609 / EN 593 / IS 13095
FACE TO FACE DIMENSION	: - BS 5155 / ISO 5792 / API 609
TOP FLANGE DRILLING	: - ISO 5211
INSPECTION & TESTING	: - BS 6755 PART -1 / API 598 / EN 1266-1
FLANGE STANDARD CONFORMITY	: - ANSI 150 / ANSI 125 / BS 10 TAB D & E IS 6392 NP 0.6 / 1.0 / 1.6

P E R F E C T	CLIENT				
	P.O./ENQ. No.				
	PERFECT ENGINEERING BARODA-01.				
	DRN: KAM. CHKD: APPD: REV DATE TITLE WAFFER TYPE BUTTER FLY VALVE ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED SCALE DWG.No. N.T.S FV - SHEET 1 OF 1				



SIZE		A	B	C	D	E	F	G	TOP FLNAGE MOUNTING (I.S.O 5211)
IN.	M.M.								
1.1/2"	40	36	92	52	40	65	180	15	F 05
2"	50	43	103	70	50	65	180	15	F 05
2.1/2"	65	46	110	76	63	65	180	15	F 05
3"	80	46	118	85	76	65	215	15	F 05
4"	100	52	148	102	100	65	215	15	F 05
5"	125	56	164	115	125	65	215	15	F 05
6"	150	56	176	130	150	65	265	15	F 05
8"	200	60	230	156	200	75	325	15	F 07

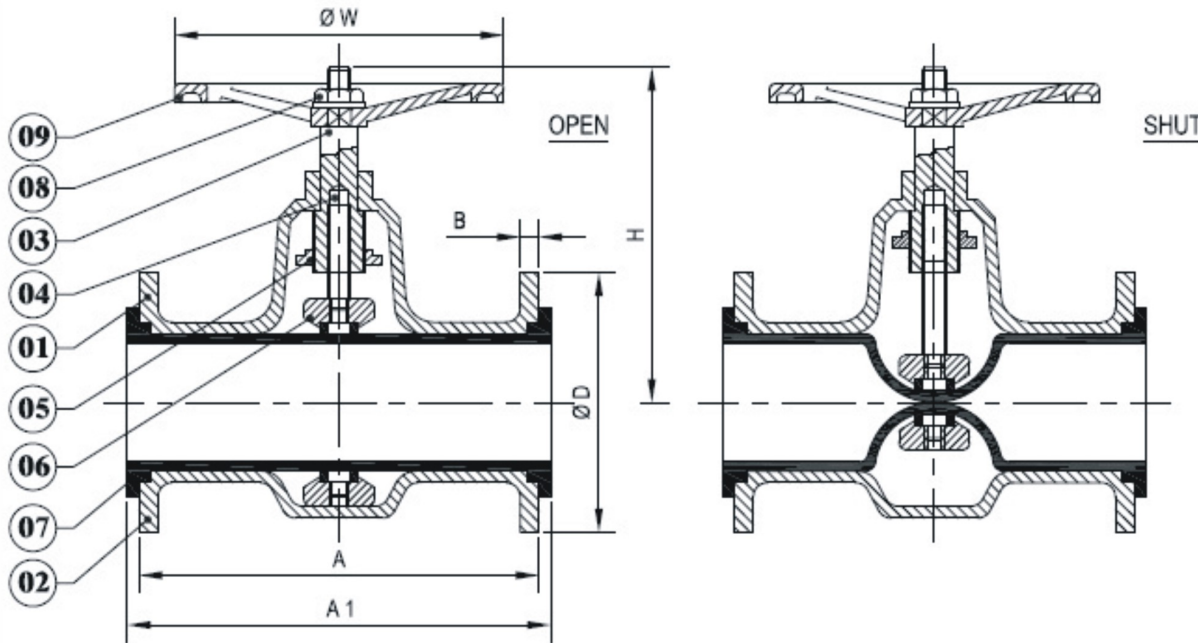
SR. NO.	PARTS NAME	MATERIAL	QTY.
01.	BODY	CAST IRON , CAST STEEL / SS 304-316	1
02.	DISC	CI / SG IRON / CAST STEEL / SS 304-316	1
03.	SPINDLE	SS 410 / 304 / 316	1
04.	BODY LINING	NITRILE / EPDM / SILICON / VITON / HYPALON	—
05.	"O" RING	NITRILE / EPDM	1
06.	PIN	SS 304 / 316	1
07.	LEVER	MS FABRICATED	1

SEAT TYPE	TEMPERATURE RANGE	
	Minum	Maximum
NITRILE	-13° F (-25°C)	212° F (100°C)
EPDM	-13° F (-25°C)	250° F (120°C)
SILICON	-58° F (-50°C)	356° F (180°C)
VITON	-23° F (-5°C)	392° F (200°C)
HYPALON	-4° F (-20°C)	250° F (120°C)

PRESSURE RATING	HYDROSTATIC SHELL TEST		HYDROSTATIC SHELL TEST	
	Kg/CM ²	P S I	Kg/CM ²	P S I
PN 16	22	310	16	225
PN 10	15	210	10	140

TECHNICAL DATA	
DESIGN & MANUFACTURE	: - BS 5155 / API 609 / EN 593 / IS 13095
FACE TO FACE DIMENSION	: - BS 5155 / ISO 5792 / API 609
TOP FLANGE DRILLING	: - ISO 5211
INSPECTION & TESTING	: - BS 6755 PART -1 / API 598 / EN 1266-1
FLANGE STANDARD CONFORMITY	: - ANSI 150 / ANSI 125 / BS 10 TAB D & E IS 6392 NP 0.6 / 1.0 / 1.6

P E R F E C T	CLIENT						
	P.O./ENQ. No.						
	PERFECT ENGINEERING BARODA-01.	DRN: KAM.	CHKD:	APPD:	REV	DATE	
		TITLE					
		WAFER TYPE BUTTER FLY VALVE					
		ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED					
	SCALE DWG.No. N.T.S FV -				SHEET 1 OF		



SIZE	A	A1	B	Ø D	H	Ø W
25	146	152	11	114	120	120
40	169	174	11	133	145	127
50	196	206	12	152	181	152
75	261	269	12	184	215	215
100	345	354	17	215	260	276
125	447	457	17	254	317	330
150	533	542	17	279	373	330
200	250	709	17	335	464	608

SR. NO.	PARTS NAME	MATERIAL	QTY.
01	TOP BODY	CAST IRON / ALU.	1
02	BOTTOM BODY	CAST IRON / ALU.	1
03	STEM	M.S.	1
04	STEM BRACKET	M.S.	1
05	GLAND	CAST IRON	1
06	BRACKET	CAST IRON	2
07	SLEEVE	NITRILE / NEOPRENE	1
08	HAND WHEEL NUT	M.S.	1
09	HAND WHEEL	CAST IRON	1

TECHNICAL DATA

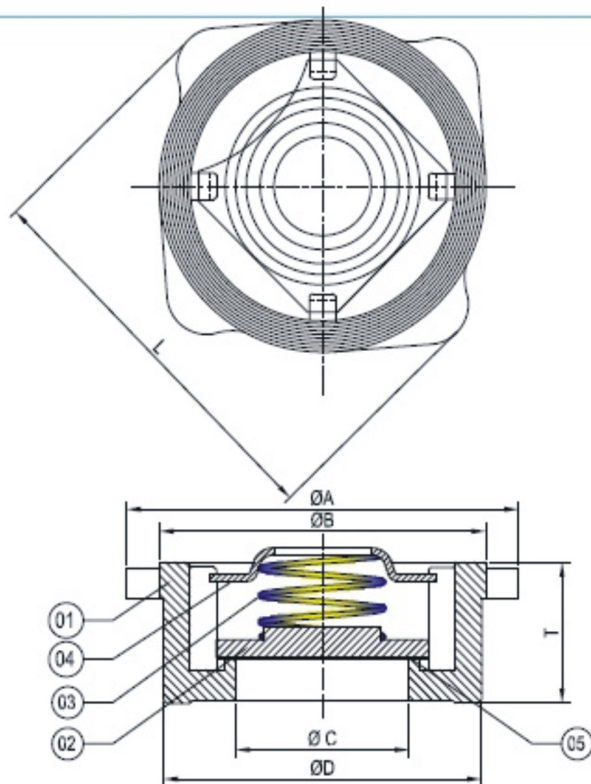
DESIGN & MANUFACTURING STD.	
TESTING & INSPECTION STD.	
END CONNECTIONS :	FLANGED AS PER ANSI B 16.5
SOCKET WELD ENDS	
FACE TO FACE :	AS PER ANSI B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE BODY	SEAT
		100	15 Kg / Cm ²	

AIR TEST - SEAT 80 PSIG ± 10 PSIG

P E R F E C T	CLIENT					
	P.O./ENQ. No.					
	PERFECT ENGINEERING BARODA-01.	DRN: KAM.	CHKD:	APPD:	REV	DATE
		TITLE:				
		CLOSE BODY PINCH VALVE				
		ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED				
	SCALE N.T.S	DWG.No. FV -			SHEET 1 OF 1	



SIZE		DIMENSION					
IN.	M.M.	ØA	ØB	ØC	ØD	T	L
1/2"	15	43	29	15	38	16	60
3/4"	20	53	36	20	45	19	70
1"	25	63	44	25	56	22	80
1 1/4"	73	55	32	65	28	90	46
1 1/2"	40	83	66	40	74	31	98
2"	50	93	77	50	85	40	112
2 1/2"	65	114	98	65	107	46	141
3"	80	132	111	80	122	50	151
4"	100	153	130	100	142	60	181
5"	125	185	161	125	170	90	215
6"	150	212	190	150	202	105	255
8"	200	277	250	200	261	140	320

SR. NO.	PARTS NAME	MATERIAL	QTY.
01	BODY	ASTM A 351 Gr. CF8/CF8M	1
02	DISC	AISI 304 OR AISI 316	1
03	SPRING	AISI 304 OR AISI 316	1
04	COVER PLATE	AISI 304 OR AISI 316	1
05	DISC SEAT	METAL TO METAL	1

TECHNICAL DATA

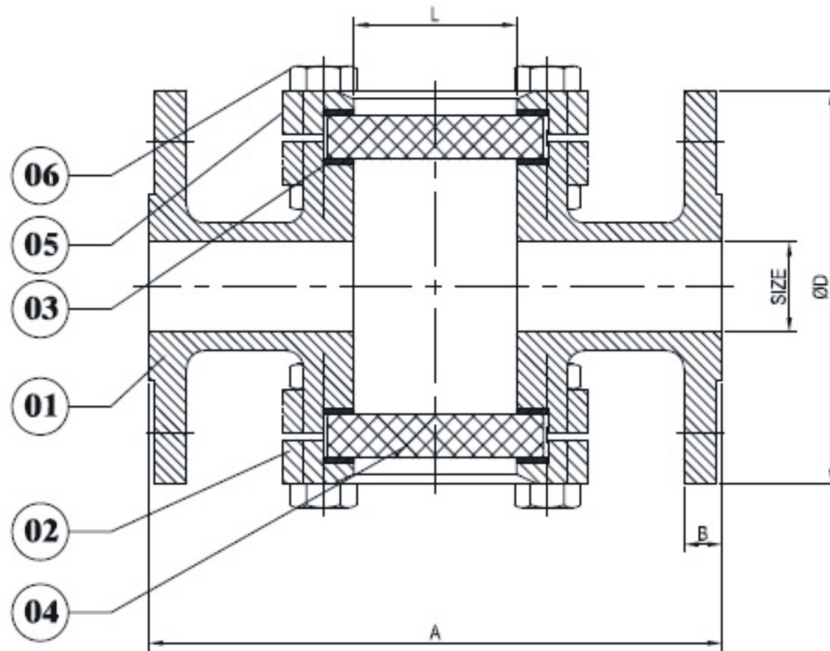
DESIGN & MANUFACTURING STD.	BS 7438
TESTING & INSPECTION STD.	
RATING	PN 40

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	PRESSURE RATING	TEMP.	
	PN 40	300° C	

AIR TEST - SEAT 80 PSIG ± 10 PSIG

P E R F E C T	CLIENT					
	P.O./ENQ. No.					
	PERFECT ENGINEERING BARODA-01.	DRN: KAM.	CHKD:	APPD:	REV	DATE
		TITLE: DISK TYPE CHECK VALVE (150#)				
		ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED				
		SCALE DWG.No. N.T.S FV -			SHEET 1 OF 1	



CLASS - 150

SIZE	A	L	ØD	B
25	127	42	108	11
40	165	50	127	14
50	178	50	152	16
80	203	87	191	19
100	229	110	229	24

SR. NO.	PARTS NAME	MATERIAL	QTY.
01.	BODY	WCB / CF8 / CF8M	1
02.	FLANGE COVER	WCB / CF8 / CF8M	1
03.	GASKET (BODY)	PTFE	4
04.	GLASS	TOUGHENED SODALIME	2
05.	GASKET (COVER)	PTFE / CAF	2
05.	STUD & NUT	ZINC PLATED STEEL / S.S. 304	4

TECHNICAL DATA

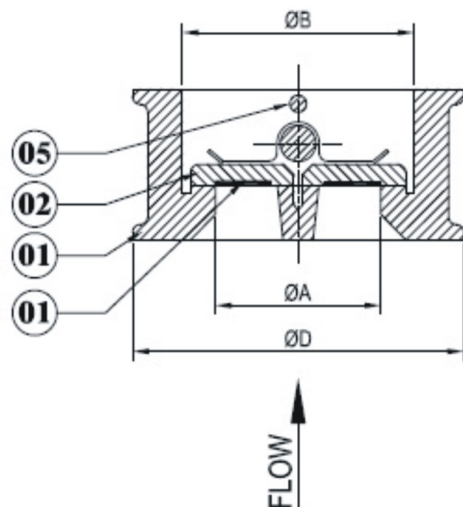
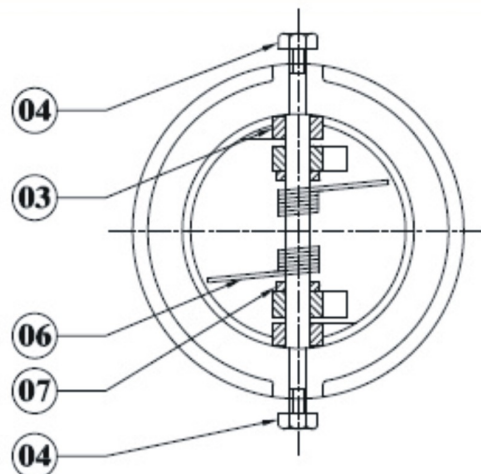
DESIGN & MANUFACTURING STD.	ASME 16,34
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B 16.5
SOCKET WELD ENDS	
FACE TO FACE :	AS PER ANSI B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE BODY	SEAT
150 #		180°C	10 Kg / Cm ²	

AIR TEST - SEAT 80 PSIG ± 10 PSIG

P E R F E C T	CLIENT					
	P.O./ENQ. No.					
	PERFECT ENGINEERING BARODA-01.	DRN: KAW.	CHKD:	APPD:	REV	DATE
		TITLE: DOUBLE WINDOW SIGHT FLOW INDICATORS FLANGE ENDS				
		ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED				
		SCALE DWG.No. N.T.S FV =				SHEET 1 OF 1



CLASS - 150				
SIZE		Ø A	Ø B	Ø D
IN.	M.M.			
2"	50	50	60	105
2.1/2"	65	65	75	124
3"	80	76	90	134
4"	100	100	115	172
5"	125	125	135	196
6"	150	150	165	220
8"	200	200	220	276
10"	250	250	265	338
12"	300	300	320	407
14"	350	350	350	448
16"	400	400	400	514
18"	450	450	450	549
20"	500	500	500	603
24"	600	600	600	718

NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	C.I. - IS:210 GR. FG 200 / ASTM A 216 GR. WCB	1
02	DISC	A 351 GR. CF8 / G.M.	2
03	HINGE PIN	AISI 304 / AISI 316	1
04	PLUG	AISI 304 / AISI 316	2
05	STOP PIN	AISI 304 / AISI 316	1
06	SPRING	AISI 304 / AISI 316	2
07	BEARING	AISI 304 / AISI 316	1
08	SEAT	NBR, EPDM, VITON	1

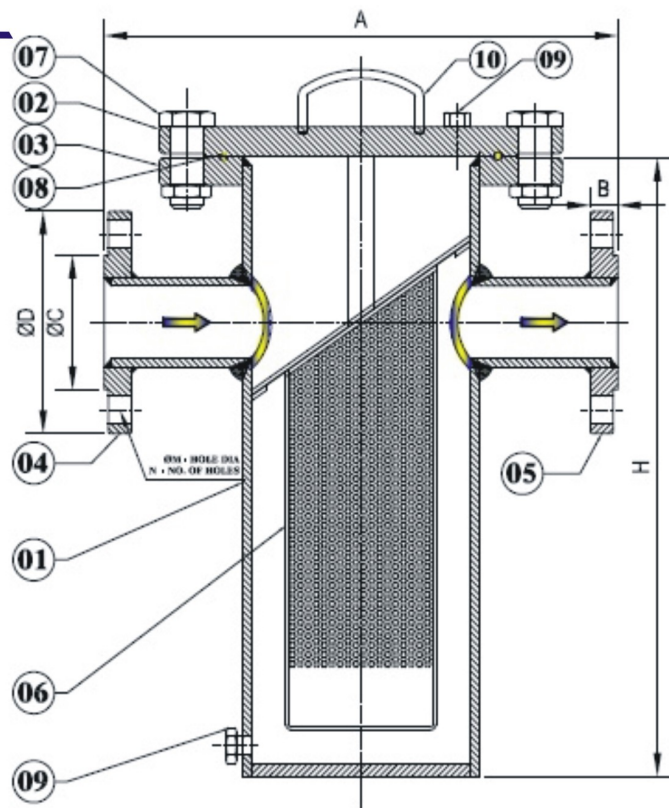
TECHNICAL DATA

DESIGN & MANUFACTURING STD.	API 594
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	WAFER TYPE SUIT TO ANSI B 16.5 (150#)
FACE TO FACE :	API 594

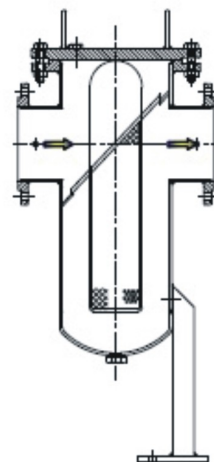
PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
150			21 PSIG	11 PSIG

P E R F E C T	CLIENT	
	P.O./ENQ. No.	
	DRN: KAM.	CHKD: APPD: REV DATE
	TITLE: DUAL PLATE CHECK VALVE (150#)	
	ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED	
	SCALE DWG.No. N.T.S FV -	SHEET 1 OF 1



DESIGN ON REQUEST



SIZE		CLASS • 150							
MM.	INCH	A	H	B	ØC	ØD	ØM	N	P.C.D.
25	1"	200	300	11	51	108	16	4	79
40	1½"	260	330	14	73	127	16	4	98.5
50	2"	260	335	16	92	152	19	4	120.5
65	2½"	260	350	17.5	105	178	19	4	140
80	3"	300	365	19	127	190.5	19	4	152.4
100	4"	330	420	24	157	229	19	8	190.5
125	5"	400	455	24	186	255	19	8	190.5
150	6"	400	480	25	216	279	22	8	241
200	8"	465	620	28.5	270	343	22	8	298.4
250	10"	515	770	30	324	406	25	12	362
300	12"	575	940	32	381	483	25	12	432
350	14"	680	1040	35	412.7	533.4	28.6	12	476.2
400	16"	750	1085	36.5	469.9	596.9	28.6	16	539.7
450	18"	850	1200	40	533.4	635.0	31.7	16	577.8
500	20"	1000	1300	43	584.2	698.5	31.7	20	635.0
600	24"	1200	1400	47.6	692.1	812.5	34.9	20	749.3

SR. NO.	PARTS NAME	MAT.	QTY.
01.	BODY	IS 2062	01
02.	TOP COVER	IS 2062	01
03.	BODY COVER	IS 2062	01
04.	INLET FLANGE	IS 2062	01
05.	OUTLET FLANGE	IS 2062	01
06.	SCREEN	SS 304	01
07.	COVER BOLT & NUT	CARBON STEEL	—
08.	GASKET	NITRILE	01
09.	DRAIN PLUG & VENT PLUG	ASTM A105	01
10.	LIFTING HANDLE	CARBON STEEL	01

TECHNICAL DATA

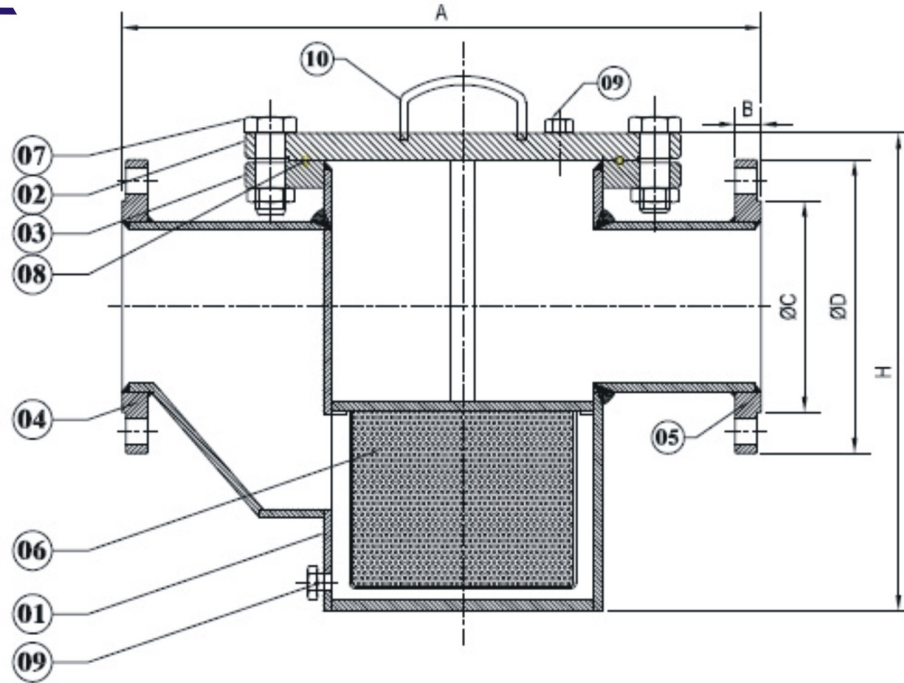
DESIGN & MANUFACTURING STD.	MANUFACTURING
TESTING & INSPECTION STD.	
END CONNECTIONS :	FLANGED AS PER ANSI B 16.5 - 150#
SHELL WALL THICKNESS	AS PER PIPE STANDARD
FACE TO FACE :	AS PER ANSI / B 16.10 SHOWN

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE BODY	SEAT
150			225 PSIG	150 PSIG

A/R TEST - SEAT 80 PS/G $\pm$ 10 PS/G

P E R F E C T	CLIENT					
	P.O./ENQ. No.					
	PERFECT ENGINEERING BARODA-01.	DRN: KAM.	CHKD:	APPD:	REV	DATE
		TITLE				
		M.S. FABRICATED "BASKET" TYPE STRAINERS (FE) 150#				
		ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED				
	SCALE	DWG.No.			SHEET	
		N.T.S	FV -			1 OF



SIZE		CLASS - 150							
MM.	INCH	A	H	B	ØC	ØD	ØM	N	P.C.D.
25	1"	250	250	11	51	108	16	4	79
40	1½"	310	290	14	73	127	16	4	98.5
50	2"	310	300	16	92	152	19	4	120.5
65	2½"	310	300	17.5	105	178	19	4	140
80	3"	350	315	19	127	190.5	19	4	152.4
100	4"	380	350	24	157	229	19	8	190.5
125	5"	450	400	24	157	229	19	8	190.5
150	6"	450	425	25	216	279	22	8	241
200	8"	515	550	28.5	270	343	22	8	298.4
250	10"	600	700	30	324	406	25	12	362
300	12"	700	850	32	381	483	25	12	432
350	14"	800	900	35	412.7	533.4	28.6	12	476.2
400	16"	900	1000	36.5	469.9	596.9	28.6	16	539.7
450	18"	1000	1100	40	533.4	635.0	31.7	16	577.8
500	20"	1100	1200	43	584.2	698.5	31.7	20	635.0
600	24"	1300	1300	47.6	692.1	812.8	34.9	20	749.3

SR. NO.	PARTS NAME	MAT.	QTY.
01.	BODY	IS 2062	01
02.	TOP COVER	IS 2062	01
03.	BODY COVER	IS 2062	01
04.	INLET FLANGE	IS 2062	01
05.	OUTLET FLANGE	IS 2062	01
06.	SCREEN	SS 304	01
07.	COVER BOLT & NUT	CARBON STEEL	—
08.	GASKET	NITRILE	01
09.	DRAIN PLUG & VENT PLUG	ASTM A105	01
10.	LIFTING HANDLE	CARBON STEEL	01

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	AS PER MANUFACTURER STD.
TESTING & INSPECTION STD.	
END CONNECTIONS :	FLANGED AS PER ANSI B 16.5 - 150#
SHELL WALL THICKNESS	AS PER PIPE STANDARD
FACE TO FACE :	AS PER MANUFACTURER STD.

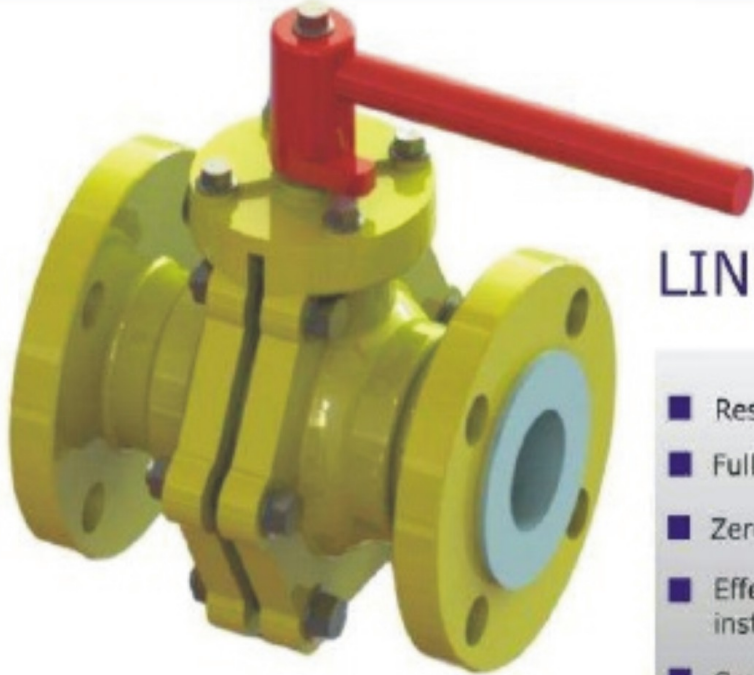
PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
150			225 PSIG	150 PSIG

AIR TEST - SEAT 80 PSIG ± 10 PSIG

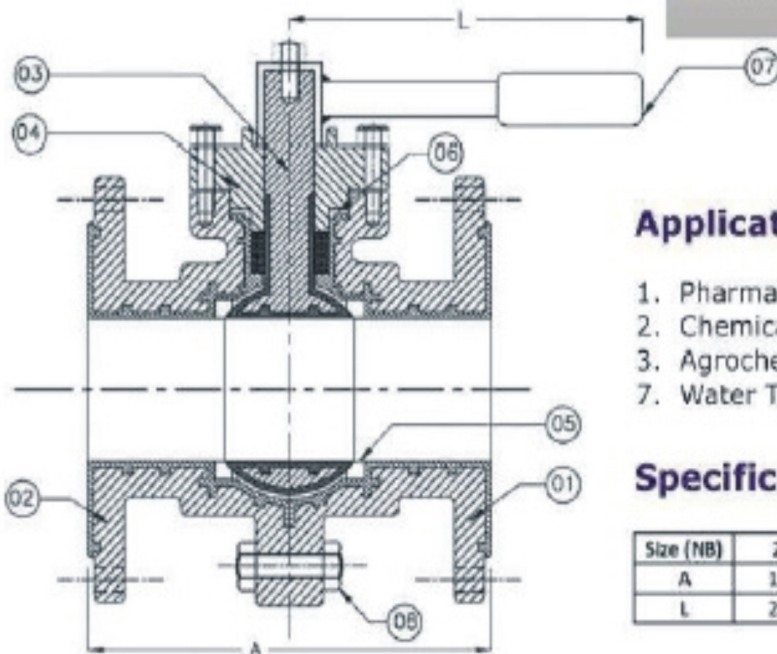
P E R F E C T	CLIENT					
	P.O./ENQ. No.					
	PERFECT ENGINEERING BARODA-01.		DRN: KAM.	CHKD:	APPD:	REV DATE
			TITLE: M.S. FABRICATED "POT" TYPE STRAINERS (FE) 150#			
			ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED			
			SCALE	DWG.No.	SHEET	
			N.T.S	FV -	1 OF 1	

PERFECT ENGINEERING BARODA-01.



LINED BALL VALVES

- Resistance to Corrosion
- Full Size Port for maximum Capacity
- Zero Maintenance due to Single moving part
- Effective in preventing back pressure when installed vertically
- Smooth PTFE Ball finish assures tight sealing



Applications:

1. Pharma
2. Chemical
3. Agrochemical
4. Petrochemical
5. Oil and Gas
6. Food & Beverages
7. Water Treatment
8. Refineries

Specifications:

Size (NB)	25	40	50	80	100	150
A	127	165	178	203	229	267
L	250	250	300	350	350	350