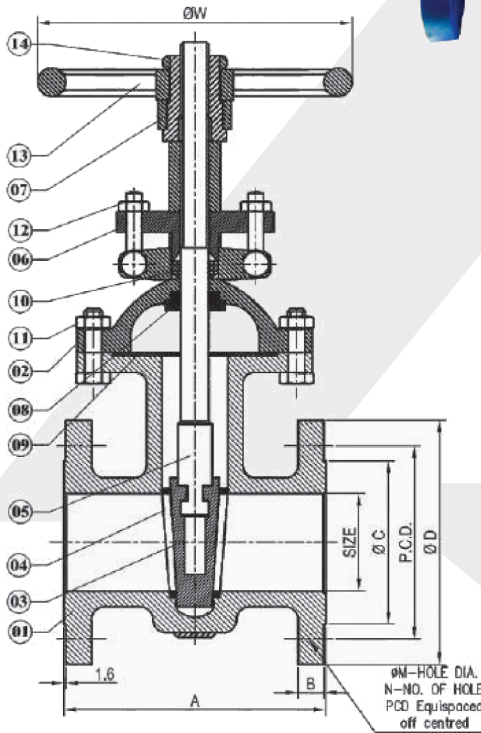


“PMW” make Gate Valves are Primarily Designed to start or stop flow & when a straight line flow of fluid & minimum flow restriction are needed. In service this valve generally are either fully open or fully closed.



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	BS-1414 / AP / 600
TESTING & INSPECTION STD.	AP I 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
SEAL WALL THICKNESS	ANSI B 16.34
FACE TO FACE :	AS PER ANSI / B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRES.	TEMP.	HYD. TEST PRESS. BODY	SEAT
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	800°F	1100 PSIG	800 PSIG

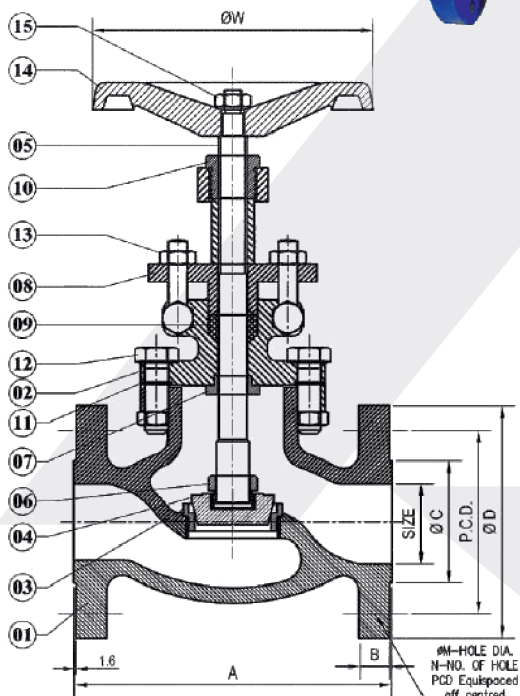
AIR TEST - SEAT - 80 PSIG + 10 PSIG

NO	DESCRIPTION	MATERIAL	QTY.
01.	BODY	ASTM A 216 Gr. WCB/CF8/CF8M	1
02.	BONNET	ASTM A 216 Gr. WCB/CF8/CF8M	1
03.	WEDGE	ASTM A 216 Gr. WCB/CF8/CF8M	1
04.	SEAT RING	AISI 410 (13% CR) / SS 304 / 316	2
05.	STEM	AISI 410 (13% CR) / SS 304 / 316	1
06.	GLAND	CARBON STEEL	1
07.	YOKE SLEEVE	NI - RESIST - NODULAR CAST IRON	1
08.	BACK SEAT	AISI 410 (13% CR) / SS 304 / 316	1
09.	GASKET	SPRAL WOUND METALIC	1
10.	GLAND PACKING	METALIC WIRE REINFORCE	—
		GRAPHOIL ASBESTOS	Req.
11.	BONNET STUB & NUT	ASTM A 193 Gr. B7 / ASTM A 194 Gr. 2H	Req.
12.	EYE BOLT & NUT	ASTM A 193 Gr. B7 / ASTM A 194 Gr. 2H	2SET
13.	HAND WHEEL	S G IRON	1
14.	HAND WHEEL NUT	CARBON STEEL	1

SIZE		CLASS - 150							
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.	ØW
1"	25	127.0	11.0	51	108.0	16	4	79.2	100
1.1/2"	40	165.1	14.2	73	127.0	16	4	98.5	135
2"	50	177.8	15.7	92	152.0	19	4	120.6	200
2.1/2"	65	190.5	17.5	105	178.0	19	4	139.7	250
3"	80	203.2	19.0	127	190.5	19	4	152.4	250
4"	100	228.6	24.0	157	229.0	19	8	190.5	300
5"	125	254.0	24.0	186	254.0	22	8	215.9	350
6"	150	266.7	25.0	216	279.0	22	8	241.3	350
8"	200	292.1	28.5	270	343.0	22	8	298.4	400
10"	250	330.2	30.0	324	406.0	25	12	362.0	450
12"	300	335.6	32.0	381	483.0	25	12	431.8	500
14"	350	381.0	35.0	413	534.0	28	12	476.2	508
16"	400	406.4	36.5	470	597.0	28	16	539.0	508

SIZE		CLASS - 300							
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.	ØW
1.1/2"	40	190.5	20.5	73	155.4	22	4	114.3	152
2"	50	215.9	22.0	92	166.0	19	8	127.0	203
2.1/2"	65	241.3	25.0	105	190.5	22	8	149.3	203
3"	80	282.5	28.5	127	209.5	22	8	168.1	254
4"	100	304.8	32.0	157	254.0	22	8	200.1	305
5"	125	381.0	35.0	186	279.4	22	8	234.9	356
6"	150	403.2	36.5	216	317.5	22	12	269.7	356
8"	200	419.1	41.0	270	381.0	25	12	330.2	407
10"	250	457.2	48.0	324	444.5	29	16	387.3	457
12"	300	501.6	51.0	381	520.7	32	16	450.8	508
14"	350	762.0	54.0	413	584.2	32	20	514.3	508
16"	400	838.2	57.0	470	647.7	35	20	571.5	508

“PMW” make globe valves is a linear motion valve and are primarily designed to stop, start and regulate flow. the disc of a globe valve can be totally removed from the flowpath or it can completely close the flowpath



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	BS 1873
TESTING & INSPECTION STD.	API 598 / BS 5146
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
SHELL WALL THICKNESS	AVSI B 16.34
FACE TO FACE :	AS PER ANSI / B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRES.	TEMP.	HYD. TEST PRESS. BODY	SEAT
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	800°F	1100 PSIG	800 PSIG

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A 216 Gr. WCB / CF8 / CF8M	1
02	BONNET	ASTM A 216 Gr. WCB / CF8 / CF8M	1
03	SEAT RING	AISI 410 (13% CR) SS 304 / 316	1
04	DISC	AISI 410 (13% CR) SS 304 / 316	1
05	STEM	AISI 410 (13% CR) SS 304 / 316	1
06	STEM NUT	AISI 410 (13% CR) SS 304 / 316	1
07	BACK SEAT	AISI 410 (13% CR) SS 304 / 316	1
08	GLAND	CARBON STEEL	1
09	GLAND PACKING	METALIC WIRE REINFORCED GRAPHOIL ASBESTOS	----
10	YOKE SLEEVE	SG IRON	1
11	BONNET GASKET	ASBESTOS FILTER S.S. 304 SPRIAL WOUNDED / CAF	1
12	BONNET STUD & NUT	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	----
13	EYE BOLT & NUT	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	2 SET
14	HAND WHEEL	SG IRON	1
15	HAND WHEEL NUT	CARBON STEEL	1

SIZE		CLASS - 150							
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.	ØW
1"	25	127	11.0	51	108.0	16	4	79.2	100
1.1/2"	40	165	14.2	73	127.0	16	4	98.5	135
2"	50	203	15.7	92	152.0	19	4	120.6	200
2.1/2"	65	216	17.5	105	178.0	19	4	139.7	250
3"	80	241	19.0	127	190.5	19	4	152.4	250
4"	100	292	24.0	157	229.0	19	8	190.5	300
5"	125	356	24.0	186	254.0	22	8	215.9	350
6"	150	406	25.0	216	279.0	22	8	241.3	350
8"	200	495	28.5	270	343.0	22	8	298.4	400
10"	250	622	30.0	324	406.0	25	12	362.0	450
12"	300	698	32.0	381	483.0	25	12	431.8	500

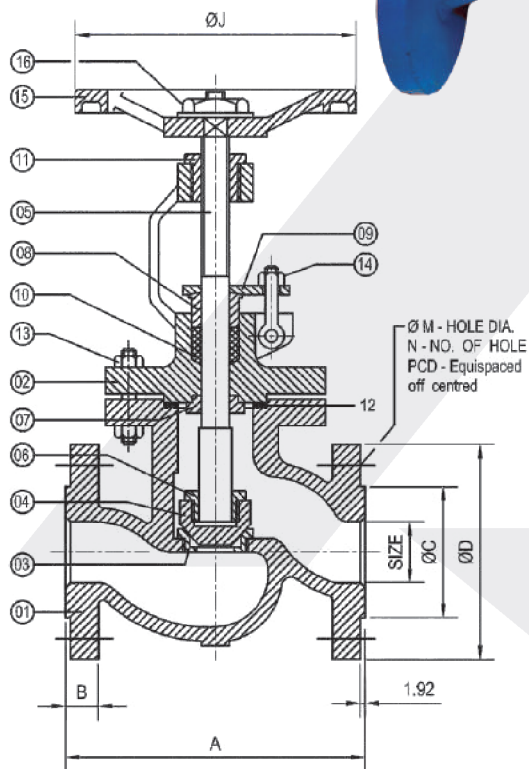
SIZE		CLASS - 300							
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.	ØW
1"	25	203.0	17.5	51	124.0	19	4	89.0	135
1.1/2"	40	229.0	20.5	73	155.5	22	4	114.3	200
2"	50	267.0	22.0	92	165.0	19	8	127.0	200
2.1/2"	65	292.0	25.0	105	190.5	22	8	149.3	200
3"	80	317.5	28.5	127	209.5	22	8	168.0	300
4"	100	356.0	32.0	157	254.0	22	8	200.0	350
5"	125	400.0	35.0	186	279.4	22	8	235.0	350
6"	150	444.5	36.5	216	317.5	22	12	269.7	400
8"	200	559.0	41.0	270	381.0	25	12	330.2	550
10"	250	622.0	47.5	324	444.5	28	16	387.4	600
12"	300	711.0	51.0	381	521.0	32	16	450.8	600



PMW

GLOBE VALVE FLANGED ENDS (ND-40)

“PMW” make globe valve is used for throttling flow control. the flow pattern through a globe valve, involve changes in direction, resulting in greater resistance to flow causing high pressure drop.



SIZE		A	B	ØC	ØD	ØM	N	P.C.D.	ØJ
IN.	M.M.								
1"	25	160	18	68	115	14	4	85	125
1.1/2"	40	200	20	88	150	18	4	110	175
2"	50	230	20	102	165	18	4	125	175
2.1/2"	65	290	22	122	185	18	8	145	225
3"	80	310	24	138	200	18	8	160	225
4"	100	350	26	162	235	22	8	190	250
5"	125	400	28	188	270	26	8	220	250
6"	150	480	30	218	300	26	8	260	312
8"	200	600	34	285	375	30	12	320	375
10"	250	730	42	345	450	33	12	385	500

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	BS-1873
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER DIN 2533/2543/2535/2545
SHELL WALL THICKNESS	ANSI B-16.34
FACE TO FACE :	AS PER DIN ND - 16 / ND - 40

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTMA 216 Gr. WCB	1
02	BONNET	ASTMA 216 Gr. WCB	1
03	SEAT RING	AISI 304 / AISI 316 / 13% CR. S.S.	1
04	DISC	AISI 304 / AISI 316 / 13% CR. S.S.	1
05	STEM	AISI 304 / AISI 316 / 13% CR. S.S.	1
06	DISC NUT	AISI 304 / AISI 316 / 13% CR. S.S.	1
07	BACK SEAT BUSH	AISI 410 / 304 / 316	1
08	GLAND BUSH	AISI 410 / 304 / 316	1
09	GLAND FLANGE	CARBON STEEL	1
10	GLAND PACKING	METALIC WIRE REINFORCED GRAPHITED ASBESTOS	----
11	YOKE SLEEVE	SGI	1
12	BONNET GASKET	COMPRESSED ASBESTOS FIBRE / CAF	1
13	BONNET STUD & NUT	ASTMA 193 Gr. B7 ASTMA 193 Gr. B7	----
14	EYE BOLT & NUT	ASTMA 193 Gr. B7 ASTMA 193 Gr. B7	2 SET
15	HAND WHEEL	SG IRON	1
16	HAND WHEEL NUT	CARBON STEEL	1

PRIMARY SERVICE RATING & TEST PRESSURE

ND 16	16 kg. / cm2	220° C
ND 40	40 kg. / cm2	400° C

HYDRAULIC TEST PRESSURE

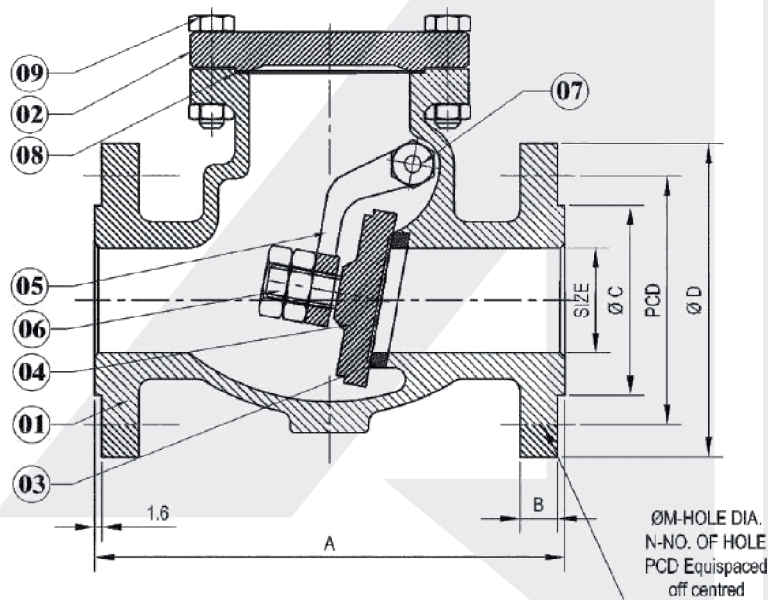
STD	BODY	SEAT	AIR
ND 16	32 kg. / cm2	16 kg. / cm2	6 kg. / cm2
	464 PSIG	232 PSIG	80 PSIG
ND 40	80 KG. / cm2	40 KG. / cm2	6 KG. / cm2
	1160 PSIG	580 PSIG	80 PSIG



PMW

SWING TYPE CHECK VALVE

“PMW” make swing type check valves are “automatic” valve that open with forward flow and close with reverse flow. the pressure of the fluid passing through a system open the valve, while and reversal of flow will close the valve.



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	ANSI B 16.35 / BS 1868
TESTING & INSPECTION STD.	API 598 / BS 5146
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
SHELL WALL THICKNESS	ANSI B 16.34
FACE TO FACE :	AS PER ANSI / B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

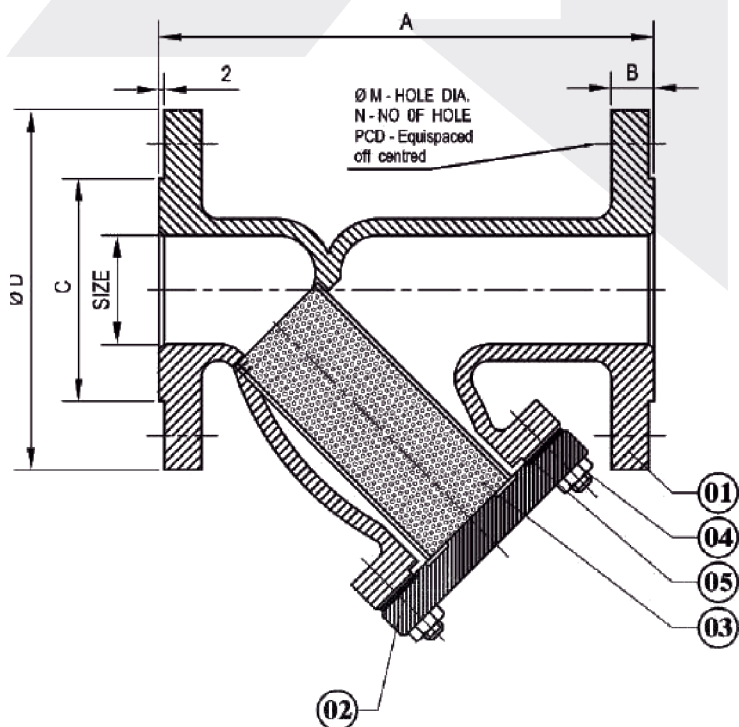
CLASS	WORKING PRES.	TEMP.	HYD. TEST PRESS. BODY	SEAT
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	800°F	1100 PSIG	800 PSIG

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	CI / CS / Cf8 / CF8M	1
02	COVER	CS / Cf8 / CF8M	1
03	SEAT RING	SS 410 / SS 304 / SS 316	1
04	DISC	SS 410 / SS316 / SS 316	1
05	HINGE	SG IRON / SS 304 / SS 316	1
06	DISC NUT	CARBON STEEL	1
07	HINGE PIN	S.S. AISI 410	1
08	GASKET	SPRIAL WOUNDED	1
09	COVER STUD & NUT	CARBON STEEL	

SIZE		CLASS - 150						
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.
1.1/2"	40	165	14.2	73	127.0	16	4	98.5
2"	50	203	15.7	92	152.0	19	4	120.6
2.1/2"	65	216	17.5	105	178.0	19	4	139.7
3"	80	241	19.0	127	190.5	19	4	152.7
4"	100	292	24.0	157	229.0	19	8	190.5
5"	125	330	24.0	186	254.0	22	8	215.9
6"	150	356	24.0	216	279.0	22	8	241.3
8"	200	495	28.5	270	343.0	22	8	298.4
10"	250	622	30.0	324	406.0	25	12	362.0
12"	300	699	32.0	381	483.0	25	12	431.8
14"	350	787	35.0	413	533.0	28	12	476.2
16"	400	864	36.5	470	597.0	28	16	539.8

SIZE		CLASS - 300						
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.
1.1/2"	40	241.3	20.5	73	156.0	22	4	114.3
2"	50	266.7	22.0	92	165.0	19	8	127.0
2.1/2"	65	292.0	25.0	105	190.5	22	8	149.3
3"	80	317.0	28.5	127	209.5	22	8	168.0
4"	100	355.6	32.0	157	254.0	22	8	200.0
5"	125	400.0	35.0	186	279.4	22	8	235.0
6"	150	444.5	36.5	216	317.5	22	12	269.7
8"	200	533.4	41.0	270	381.0	25	12	330.2
10"	250	622.3	47.5	324	444.5	28	16	387.4
12"	300	711.2	51.0	381	521.0	32	16	450.8
14"	350	838.0	54.0	413	584.0	32	20	514.3
16"	400	863.6	57.0	470	648.0	36	20	571.5

"PMW" make "y" type strainer is very useful when it comes to protecting pumps and compressure because the dirt and debries present in the latter is collected in the strainer are most suitable for horizontal and vertical pipelines where the debries is difficult to be removed from the liquid or gas.



TECHNICAL DATA

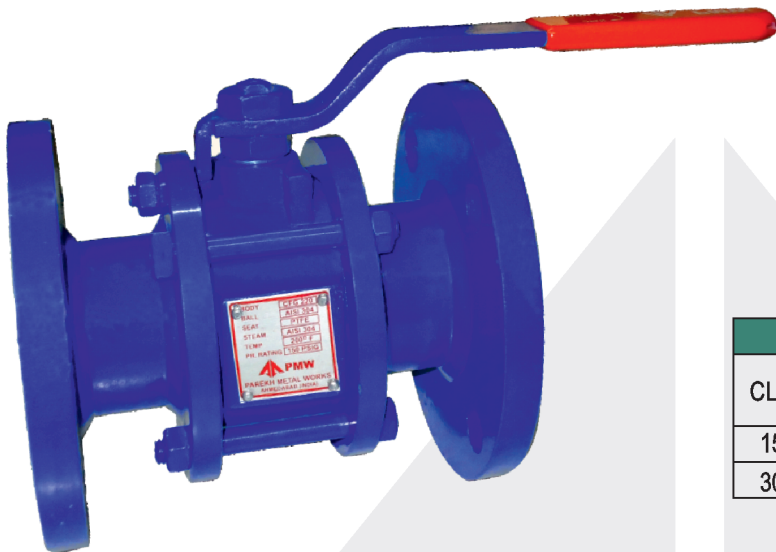
DESIGN & MANUFACTURING STD.	
TESTING & INSPECTION STD.	
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
SHELL WALL THICKNESS	ANSU B 16.34
FACE TO FACE :	AS PER DIN ND - 40 TYPE / AN

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A 216 Gr. WCB / CF8 / CF8M	1
02	COVER	ASTM A 216 Gr. WCB / CF8 / CF8M	1
03	SCREEN	S.S. 304 / S.S. 316	1
04	COVER STUD & NUT	CARBON STEEL	----
05	GASKET	SP RIAL WOUNDED /CAF	1

SIZE		ND - 40							
IN.	M.M.	N.B.	A	B	ØC	ØD	ØM	N	P.C.D.
1"	25	25	160	18	68	115	14	4	85
1.1/2"	40	38	200	18	88	150	18	4	110
2"	50	51	230	20	102	165	18	4	125
2.1/2"	65	64	290	22	122	185	18	8	145
3"	80	76	310	24	138	200	18	8	160
4"	100	102	350	24	162	235	23	8	190
5"	125	126	400	26	180	270	27	8	220
6"	150	152	480	28	218	300	27	8	250

SIZE		CLASS - 150							
IN.	M.M.	N.B.	A	B	ØC	ØD	ØM	N	P.C.D.
1"	25	25	127	11.0	51	108.0	16	4	79.2
1.1/2"	40	38	165	14.2	73	127.0	16	4	98.5
2"	50	51	203	15.7	92	152.0	19	4	120.6
2.1/2"	65	64	216	17.5	105	178.0	19	4	139.7
3"	80	76	241	19.0	127	190.5	19	4	152.4
4"	100	102	292	24.0	157	229.0	19	8	190.5
5"	125	126	356	24.0	186	254.0	22	8	215.9
6"	150	152	406	25.0	216	279.0	22	8	241.3
8"	200	203	495	28.5	270	343.0	22	8	298.4
10"	250	254	622	30.0	324	406.0	25	12	362.0
12"	300	300	698	32.0	381	483.0	25	12	431.8

“PMW” make ball valve is a form of quarter-turn valve which uses a hollow, perforated and pivoting ball to control flow through it. It is open when the ball's hole is in line with the flow and closed when it is pivoted 90 degree by the valve handle.

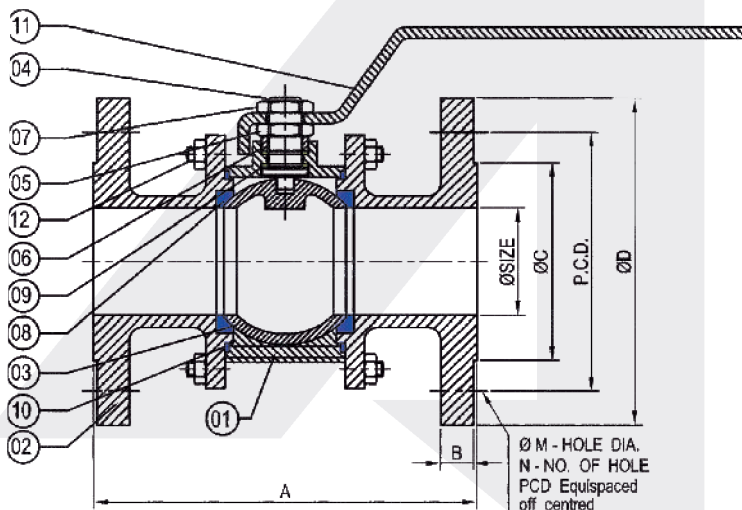


TECHNICAL DATA

DESIGN & MANUFACTURING STD.	BS-5351 / API / 602
TESTING & INSPECTION STD.	API 598 / BS 5146
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
SHELL WALL THICKNESS	
FACE TO FACE :	AS PER ANSI / B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

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

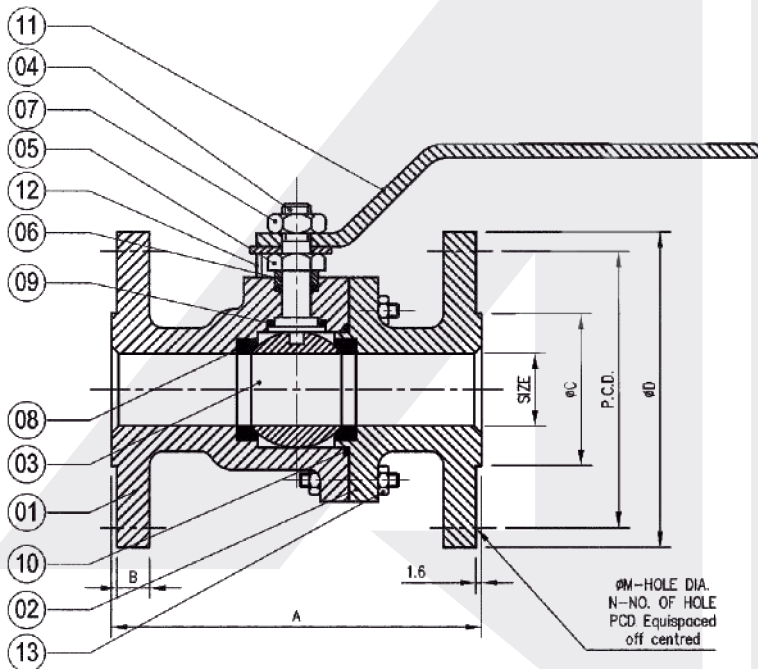


NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	C.S. / C.I. CF8 / CF8M	1
02	BODY CONNECTOR	C.S. / C.I. CF8 / CF8M	2
03	BALL	S.S. 202 / 304 / 316	1
04	STEM	S.S. 202 / 304 / 316	1
05	GLAND NUT	S.S. 202 / 304 / 316 / M.S.	1
06	GLAND BUSH	S.S. 202 / 304 / 316 / M.S.	1
07	LOCK NUT	S.S. 202 / 304 / 316 / M.S.	1
08	SEAT RING	PTFE	---
09	STEM SEAL	PTFE	---
10	BODY SEALANT RING	PTFE	2SET
11	LEVER	C.S. / S.S. 304 / S.S. 316	1
12	STUD & NUT	C.S. / S.S.	1

SIZE		CLASS - 150						
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.
1/2"	15	108	10	35	89	16	4	60.4
3/4"	20	118	10.5	43	98	16	4	69.8
1"	25	127	11	51	108	16	4	79.2
1.1/4"	32	140	12.7	65	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	127	190.5	19	4	152.4
4"	100	229	24	157	229	19	8	190.5
5"	125	254	24	186	254	22	8	215.9
6"	150	267	25.5	216	279	22	8	241.3
8"	200	292	29.0	270	343	22	8	298.4

SIZE		CLASS - 300						
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.
1/2"	15	140	14.2	35	95	16	4	66.5
3/4"	20	152	15.7	43	117	19	4	82.5
1"	25	165	17.5	51	124	19	4	88.9
1.1/2"	40	190.5	20.5	73	155.5	22	4	114.3
2"	50	216	22	92	165	19	8	127
2.1/2"	65	241	25	105	190.5	22	8	149.3
3"	80	282.5	28.5	127	209.5	22	8	168
4"	100	305	32	157	254	22	8	200

“PMW” make ball valve is a form of quarter-turn valve which uses a hollow, perforated and pivoting ball to control flow through it. It is open when the ball's hole is in line with the flow and closed when it is pivoted 90 degree by the valve handle.



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

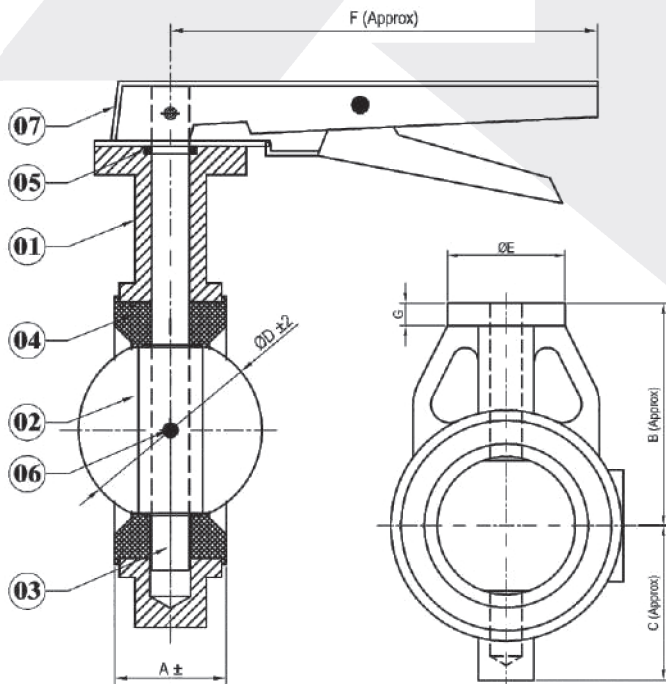
CLASS	WORKING PRES.	TEMP.	HYD. TEST PRESS. BODY	SEAT
150	150 PSIG	180°F	425 PSIG	300 PSIG
300	300 PSIG	200°F	1100 PSIG	800 PSIG

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 / 3016	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	SEAT 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.	----

SIZE		CLASS - 150						
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.
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	ØC	D	ØM	N	P.C.D.
1"	25	165.0	17.5	51	124.0	19	4	88.9
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

“PMW” make butter fly valve is a quarter turn ,rotary motion valve that is used to stop, regulate, and start fluid (air, water, gas) flow in pipes. BFV are easily and quickly operated because of a 90 rotation of disc from a fully closed to fully opened position.



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	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

PRESSURE RATING	HYDROSTATIC SHELL TEST		HYDROSTATIC SHELL TEST	
	KG / CM2	PSIG	KG / CM2	PSIG
PN 16	22	310	16	225
PN 10	15	210	10	140

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)

NO	DESCRIPTION	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

SIZE		A	B	C	D	E	F	G	TOP FLANGE 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

“PMW” make butterfly valve is a quarter turn, rotary motion valve that is used to stop, regulate, and start fluid (air, water, gas) flow in pipes. BFV are easily and quickly operated because of a 90° rotation of disc from a fully closed to fully opened position.



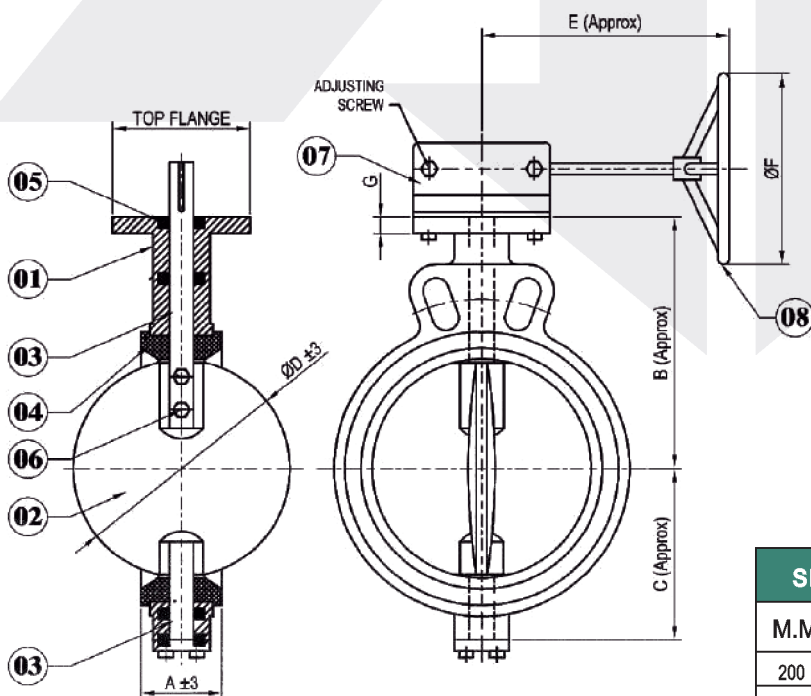
TECHNICAL DATA

DESIGN & MANUFACTURING STD.	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

PRESSURE RATING	HYDROSTATIC SHELL TEST		HYDROSTATIC SEAT TEST	
	Kg/CM ²	PSI	Kg/CM ²	PSI
PN 16	22	310	16	225
PN 10	15	210	10	140

SEAT TYPE	TEMPERATURE RANGE	
	Minimum	Maximum
NITRILE	-13° F (-25°C)	212° F (-25°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)

NO	DESCRIPTION	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



SIZE		A	B	C	D	E	F	G	TOP FLANGE MOUNTING (I.S.O. 5211)
M.M	IN.								
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 12
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



PMW

BUTTERFLY VALVE 500mm 900mm

“PMW” make butterfly valve is a quarter turn, rotary motion valve that is used to stop, regulate, and start fluid (air, water, gas) flow in pipes. BFV are easily and quickly operated because of a 90° rotation of disc from a fully closed to fully opened position.



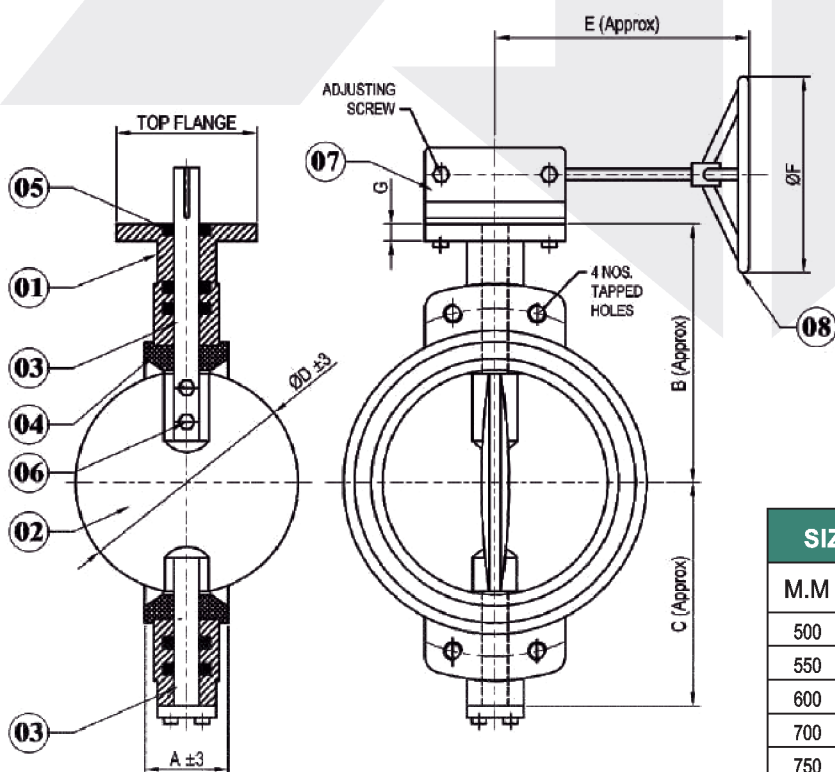
TECHNICAL DATA

DESIGN & MANUFACTURING STD.	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

PRESSURE RATING	HYDROSTATIC SHELL TEST		HYDROSTATIC SEAT TEST	
	Kg/CM ²	PSI	Kg/CM ²	PSI
PN 16	22	310	16	225
PN 10	15	210	10	140

SEAT TYPE	TEMPERATURE RANGE	
	Minimum	Maximum
NITRILE	-13° F (-25°C)	212° F (-25°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)

NO	DESCRIPTION	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



SIZE		A	B	C	D	E	F	G	TOP FLANGE MOUNTING (I.S.O. 5211)
M.M	IN.								
500	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

“PMW” make fab. basket type strainer designed for remove foreign matter from pipelines and provides protection for pumps, meters and other mechanical equipments. basket strainer feature top removal of the screen.



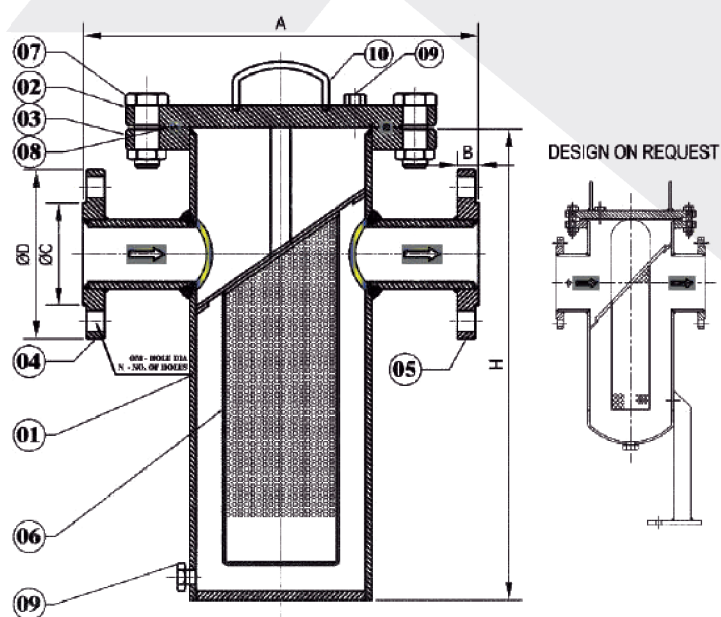
TECHNICAL DATA

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

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	IS 2062	1
02	TOP COVER	IS 2062	1
03	BODY COVER	IS 2062	1
04	INLET FLANGE	IS 2062	1
05	OUTLET FLANGE	IS 2062	1
06	SCREEN	SS 304 (40 MESH)	1
07	COVER BOLT & NUT	CARBON STEEL	—
08	GASKET	NITRILE	1
09	DRAIN PLUG VENT PLUG	ASTM A 105	1
10	LIFTING HANDLE	CARBON STEEL	1



SIZE

CLASS - 150

M.M.	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	216
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	398.5	31.7	20	635.0
600	24"	1200	1400	47.6	692.1	812.8	34.9	20	749.3

"PMW" fab. pot type strainer remove damage causing particulate matter from the process media, protecting system components, such as meter, pumps etc. these strainer reduce downtime for cleaning due to their construction of bolted cover and easy removal of screen.



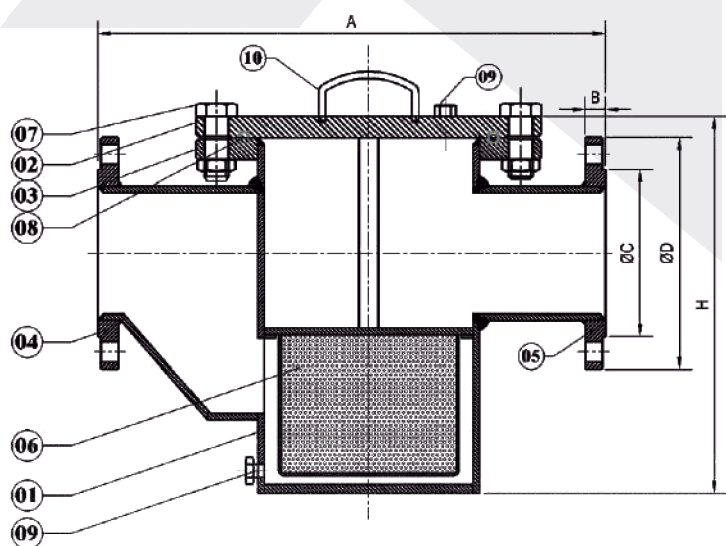
TECHNICAL DATA

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

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	IS 2062	1
02	TOP COVER	IS 2062	1
03	BODY COVER	IS 2062	1
04	INLET FLANGE	IS 2062	1
05	OUTLET FLANGE	IS 2062	1
06	SCREEN	SS 304 (40 MESH)	1
07	COVER BOLT & NUT	CARBON STEEL	—
08	GASKET	NITRILE	1
09	DRAIN PLUG VENT PLUG	ASTM A 105	1
10	LIFTING HANDLE	CARBON STEEL	1



SIZE CLASS - 150

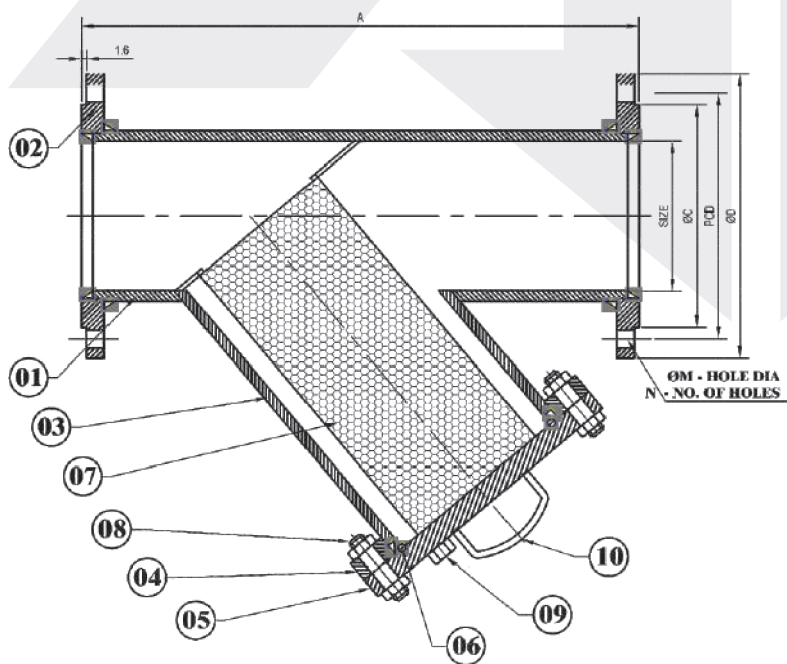
SIZE		CLASS - 150							
MM	IN	A	H	B	ØC	ØD	ØM	N	PCD
25	1"	250	250	11	51	108	16	4	79
40	1½"	310	290	14	73	127	16	4	98.5
50	2"	310	300	16	92	152	19	4	120.5
65	2½"	310	300	17.5	105	178	19	4	140
80	3"	350	315	19	127	190.5	19	4	152.4
100	4"	380	350	24	157	229	19	8	190.5
125	5"	450	400	24	186	255	19	8	216
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



PMW

FABRICATED 'Y' TYPE STRAINER

"PMW" make "y" type strainer is very useful when it comes to protecting pumps and compressure because the dirt and debries present in the latter is collected in the strainer are most suitable for horizontal and vertical pipelines where the debries is difficult to be removed from the liquid or gas.



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	ASME B 16.34
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

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS -150	HYD. TEST PRESSURE	SERVICE RATING
BODY	10 Kg. / CM2	

NO	DESCRIPTION	MATERIAL	QTY.
01	MAIN PIPE	IS 2062	1
02	SIDE FLANGE	IS 2062	2
03	PIPE	IS 2062	1
04	TOP FLANGE	IS 2062	1
05	TOP COVER	IS 2062	1
06	GASKET	NITRILE	1
07	SCREEN	S.S. 304	1
08	COVER STUD & NUT	CARBON STEEL	---
09	DRAIN PLUG	ASTM A 105	1
10	LIFTING HANDLE	CARBON STEEL	1

SIZE		CLASS - 150						
MM	IN	A	B	ØC	ØD	ØM	N	PCD
25	1"	160	11	51	108	16	4	79
40	1½"	200	14	73	127	16	4	98.5
50	2"	230	16	92	152	19	4	120.5
65	2½"	290	17.5	105	178	19	4	140
80	3"	310	19	127	190.5	19	4	152.4
100	4"	350	24	157	229	19	8	190.5
125	5"	400	24	186	255	19	8	216
150	6"	480	25	216	279	22	8	241
200	8"	600	28.5	270	343	22	8	298.4
250	10"	730	30	324	406	25	12	362
300	12"	850	32	381	483	25	12	432
350	14"	980	35	412.7	533.4	28.6	12	476.2
400	16"	1100	36.5	469.9	596.9	28.6	16	539.7
450	18"	1200	40	533.4	635.0	31.7	16	577.8
500	20"	1250	43	584.2	698.5	31.7	20	635.0
600	24"	1450	47.6	692.1	812.8	34.9	20	749.3

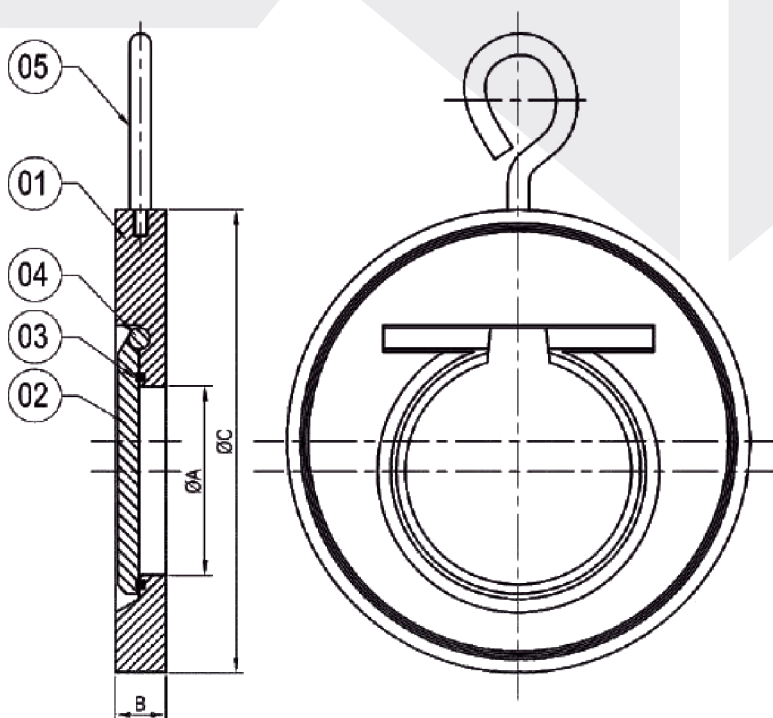
“PMW” make wefar type check valve primarily single plate swing check valve with a short pattrn wefar body. the low internal disc design enables the valve to open or close with a very low differencial pressure.



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

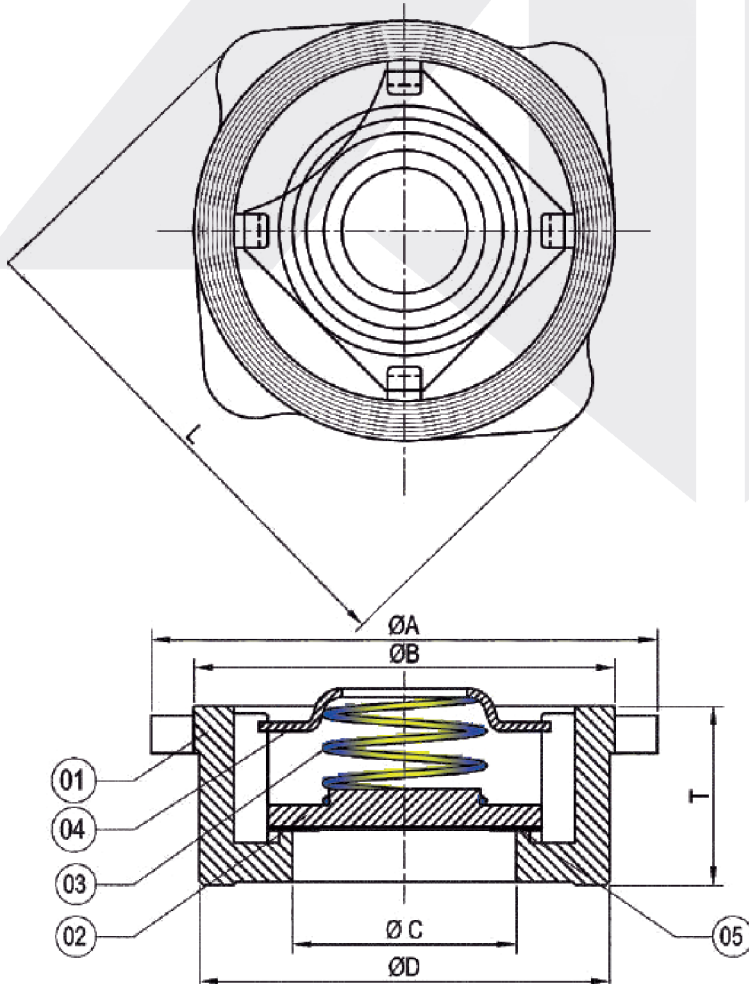
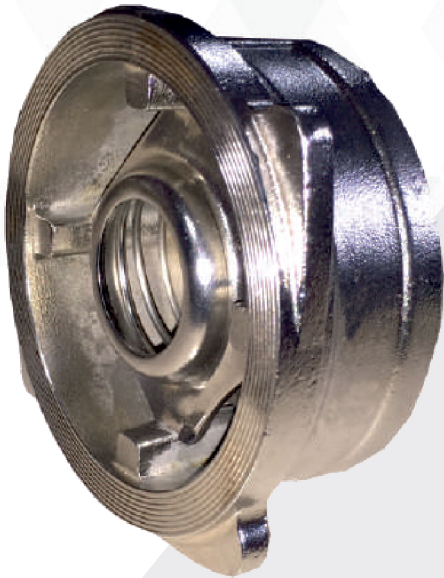
PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
150 #	20°F TO 180°F	-	225 PSIG	150 PSIG

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, PTEE	1
04	HINGE PIN	AISI 304, 316, M.S.	1
05	LIFTING HOOK	M.S. / S.S.	1



SIZE		DIMENSION		
IN	MM	ØA	B	ØC
1"	25	14	16	64
1½"	40	22	19	86
2"	50	30	19	104
2½"	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

“PMW” make swing hpe chode valve are “automatic” valve thart oper with forward flow are close with forward flor and close with revers flow the pressure of the fwid passing through a system open a the valve while any reversal of flow will close the valve.



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		

NO	PART 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

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



PMW

DUAL PLATE CHECK VALVE (150#)

“PMW” make dual check valve is a spring loaded check valve uniquely designed for application. the construction feature makes the valve much smaller in size, lighter in weight & makes it much feasible in operation as compared to conventional swing check valve.



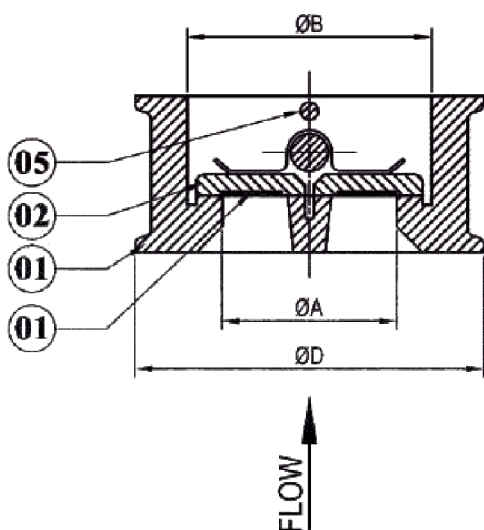
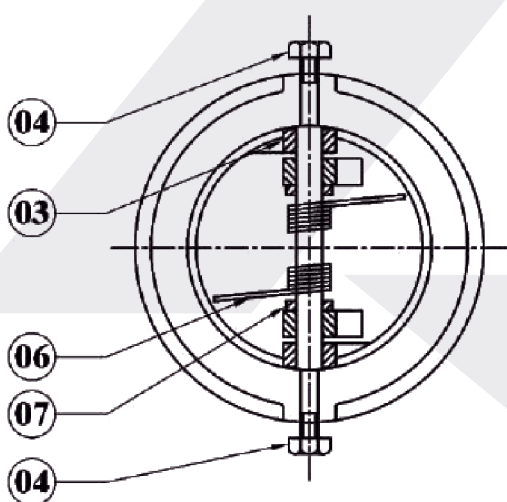
TECHNICAL DATA

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	20°F TO 180°F	-	21 PSIG	11 PSIG

NO	PART NAME	MATERIAL	QTY.
01	BODY	C.I. - IS:210 GR. FG 200 / ASTMA 216 GR. WCB	1
02	DISC	A 351 GR. CF8	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



SIZE		DIMENSION		
IN	MM	ØA	ØB	ØD
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



PMW

THERMODYNAMIC (TD-3) STEAM TRAP

“PMW” make td-3 steam traps operate on the basic of the bernoulli principle, depending on the realtionship between the velocity and the pressure envrteed condensate and steam inside the steam trap .they have only one moving port the disc.

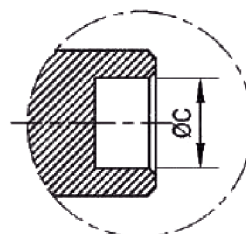
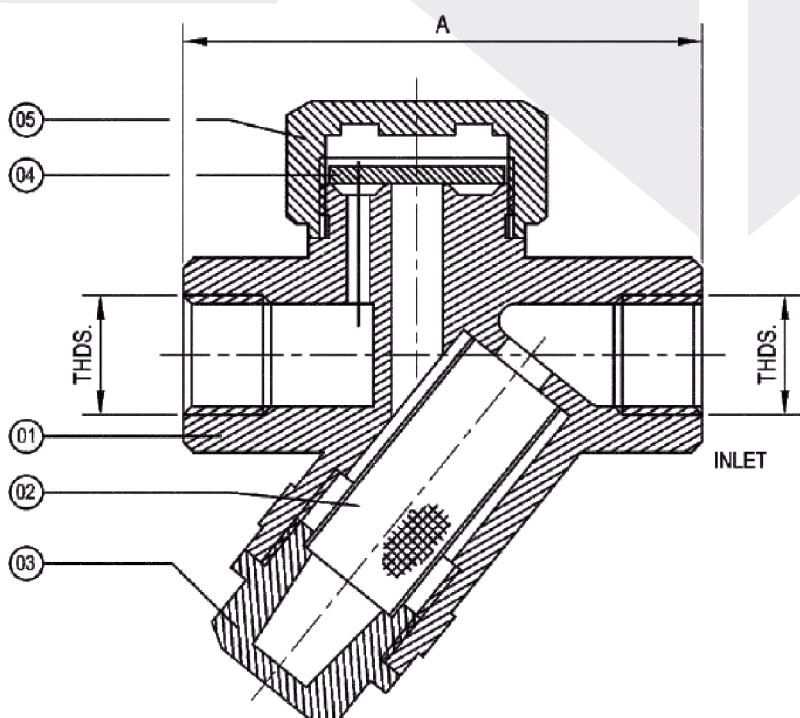


TECHNICAL DATA

DESIGN & MANUFACTURING STD.	
TESTING & INSPECTION STD	
END CONNECTIONS	ANSI B 1.20.1
SOCKET WELD END	ANSI B 16.11

NO	PART NAME	MATERIAL	QTY.
01	BODY	IC 410	1
02	SCREEN	S.S. 304	1
03	PLUG	IC 410	1
04	DISC	S.S. 410	1
05	BODY COVER	IC 410	1

SIZE		A	THDS.	ØC
M.M	IN.			
1/2"	15	79	1/2" BSP / BSPT / NPT	22.0
3/4"	20	79	3/4" BSP / BSPT / NPT	27.5
1"	25	92	1" BSP / BSPT / NPT	34.0



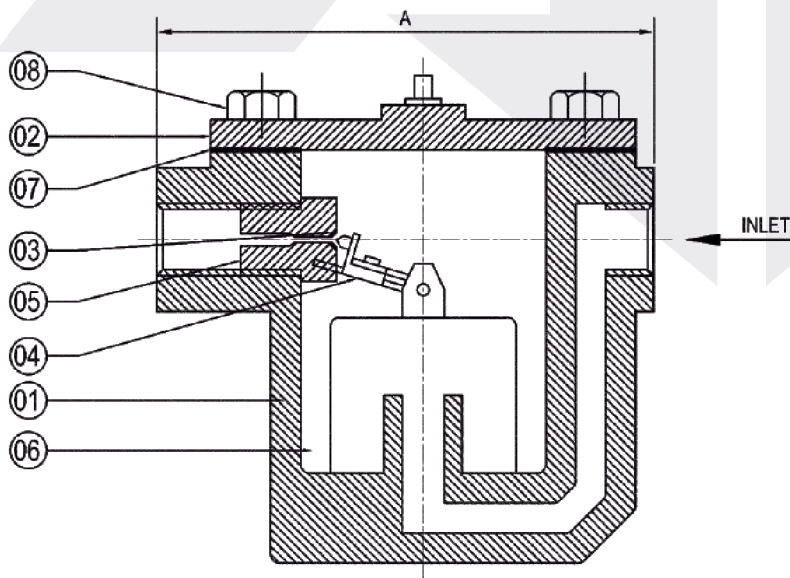
SOCKET WELD END



PMW

BUCKET TYPE STEAM TRAP

“PMW” Make Horizontal Inverted Bucket Type Steam Trap Have On Inverted Bucket Inside Then As Condensate Enters The Trap. It Forms A Water Seal Inside The Body. The Weight Of The Bucket Keeps The Valve Off Its Seat And So Condensate Can Flow Around The Bottom of The Bucket And Out Of The Trap.



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	

AIR TEST - SEAT 80 PSIG + 10 PSIG

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	C.I. IS:210 GR. 220	1
02	COVER	C.I. IS:210 GR. 220	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	CARBON STEEL	-

SIZE

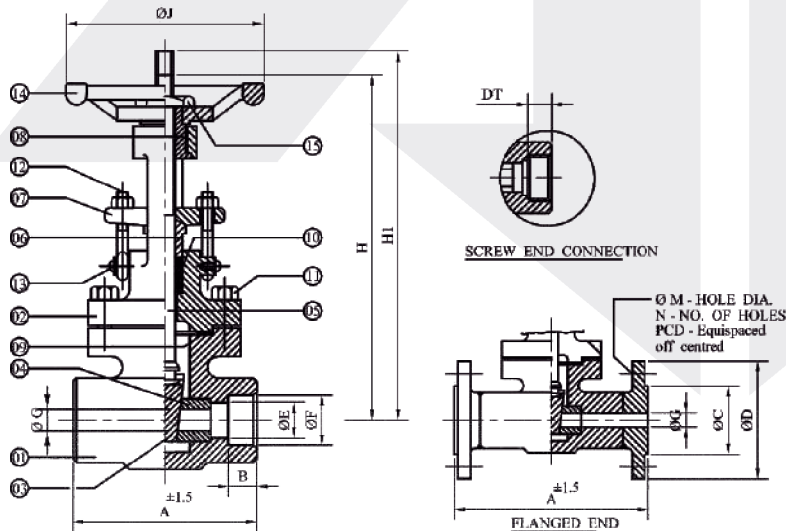
IN	M.M.	A
1/2"	15	177
3/4"	20	177
1"	25	188
1.1/2"	40	252
2"	50	252



PMW

FORGED STEEL GATE VALVE (800#)

“PMW” make forged steel gate valves are compact, sturdy & ideal for high pressure & high temprature applications. These valves are outside screw & yoke type (os & y) with rising stem & non-rising handwheel. These valves shall be bolted bonnet or welded bonnet type with full or standard bore options



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	API 602
TESTING & INSPECTION STD.	API 598
SOCKET WELD AND THREADED TO:	ANSI B 16.11 / ANSI B 1.20.1
FLANGED TO :	ANSI B 16.5
FLANGE TO FLANGE DISTANCE :	ANSI B 16.10

PRIMARY SERVICE RATING & TEST PRESSURE

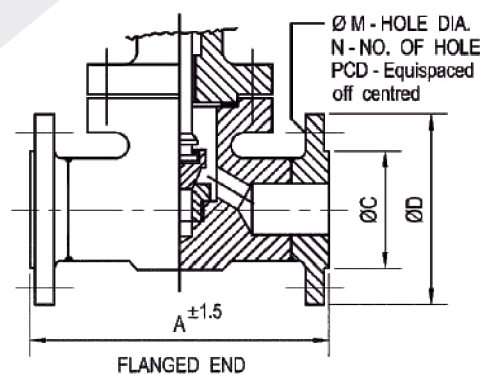
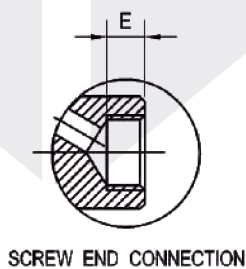
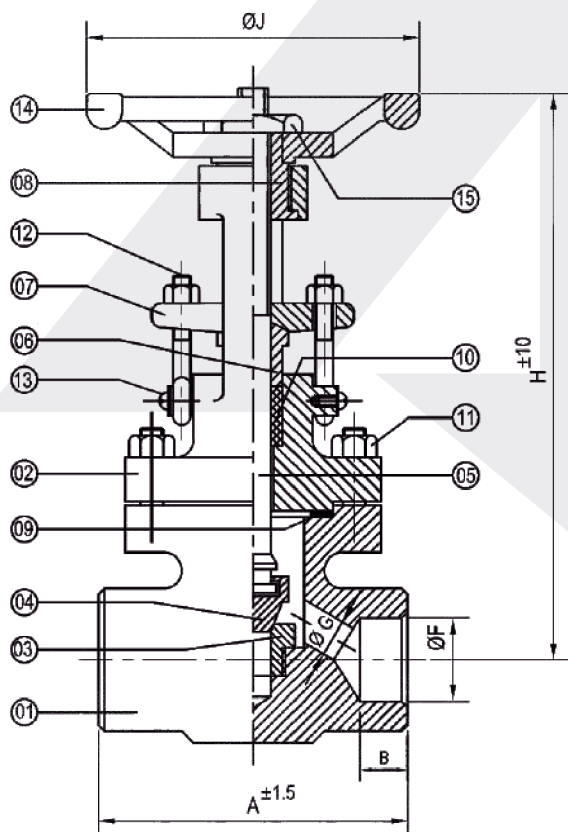
CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
800	-	300°C	3000 PSIG	2000 PSIG

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	FORGE STEEL A105/F304/F316	1
02	BONNET	FORGE STEEL A 105 / F304 / F 316	1
03	WEDGE	AISI 304 / AISI 316 / 13% CR. S.S.	1
04	SEAT RING	AISI 304 / AISI 316 13% CR. S.S.	2
05	STEM	AISI 304 / AISI 316 / AISI 410	1
06	GLAND BUSH	AISI 304 / AISI 316 / AISI 410	1
07	GLAND FLANGE	ASTM A 105	1
08	YOKE SLEEVE	SGI	1
09	BONNET GASKET	SPIRAL WOUND S.S. 304 WITH CAF	1
10	GLAND PACKING	S.S. METAL WIRE BRAIDED ASBESTOS	—
11	BONNET STUD & NUT	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	4 SET
12	EYE BOLT & NUT	FORGED C.S.	2 SET
13	SCREW & WASHER	M.S. GALVANISED	2 SET
14	HAND WHEEL	CAST IRON / C.S.	1
15	HAND WHEEL NUT	CARBON STEEL	1

SIZE		SCREWED / SOCKET WELD								
IN	MM	A	B	ØE	ØF	ØG	H	HI	DT	ØJ
1/2"	15	85	10	13	22.0	9.0	154	174	13	94
3/4"	20	90	13	15	27.5	14.0	160	185	13	94
1"	25	105	13	22	34.0	18.0	168	198	15	98
1.1/2"	40	128	13	36	48.6	32.0	231	274	25	142
2"	50	142	16	45	61.1	42.0	242	287	25	142

SIZE		CLASS - 150							
IN	MM	A	ØC	ØD	ØG	ØM	N	PCD	
1/2"	15	108	35	89	11	16	4	60.4	
3/4"	20	118	43	98	13	16	4	70.0	
1"	25	127	51	108	14	16	4	79.0	
1.1/2"	40	165	73	127	14	16	4	98.5	
2"	50	178	92	152	16	19	4	120.6	

“PMW” make globe valves is a linear motion valve and are primarily designed to stop, start and regulate flow. the disc of a globe valve can be totally removed from the flowpath or it can completely close the flowpath



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	BS-5352
TESTING & INSPECTION STD.	API 598
SOCKET WELD AND THREADED TO:	ANSI B 16.11 / ANSI B 1.20.1
FLANGED TO :	ANSI B 16.5
FLANGE TO FLANGE DISTANCE :	ANSI B 16.10

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	FORGE STEEL A 105 / F304/F316	1
02	BONNET	FORGE STEEL A 105	1
03	SEAT RING	AISI 304 / AISI 316 / 13% CR. S.S.	1
04	DISC	AISI 304 / AISI 316 / 13% CR. S.S.	1
05	STEM	AISI 304 / AISI 316 / 13% CR. S.S.	1
06	GLAND BUSH	AISI 304 / AISI 316 / 13% CR. S.S.	1
07	GLAND FLANGE	ASTMA 105	1
08	YOKE SLEEVE	AL. BRONZE / NI - RESIST	1
09	BONNET GASKET	SPIRAL WOUND S.S. 304 WITH CAF	1
10	GLAND PACKING	S.S. METAL WIRE BRAIDED ASBESTOS	—
11	BONNET STUD & NUT	ASTMA 193 Gr. B7 ASTMA 194 Gr. 2H	4 SET
12	EYE BOLT & NUT	FORGED C.S.	2 SET
13	SCREW & WASHER	M.S. GALVANISED	2 SET
14	HAND WHEEL	CAST IRON / C.S.	1
15	HAND WHEEL NUT	CARBON STEEL	1

SIZE		SCREWED / SOCKET WELD							
IN	MM	A	B	ØE	ØF	ØG	H	DT	ØJ
1/2"	15	85	10	13	22.0	9.0	154	13	94
3/4"	20	90	13	15	27.5	14.0	160	13	94
1"	25	105	13	22	34.0	18.0	168	15	98
1.1/2"	40	128	13	36	48.6	32.0	231	25	142
2"	50	142	16	45	61.1	42.0	242	25	142

SIZE		CLASS - 150						
IN	MM	A	ØC	ØD	ØG	ØM	N	PCD
1/2"	15	108	35	89	11	16	4	60.4
3/4"	20	118	43	98	13	16	4	70.0
1"	25	127	51	108	14	16	4	79.0
1.1/2"	40	165	73	127	14	16	4	98.5
2"	50	178	92	152	16	19	4	120.6

“PMW” make knife edge gate valves are advantageous in sledge and slurry applications because their blades cut right through thick liquids easily. they are generally specified in larger sizes for handling thick flows of heavy oils, light grease, slurry paper pulp, varnish and wastewater to name but a few knife gate valve application.



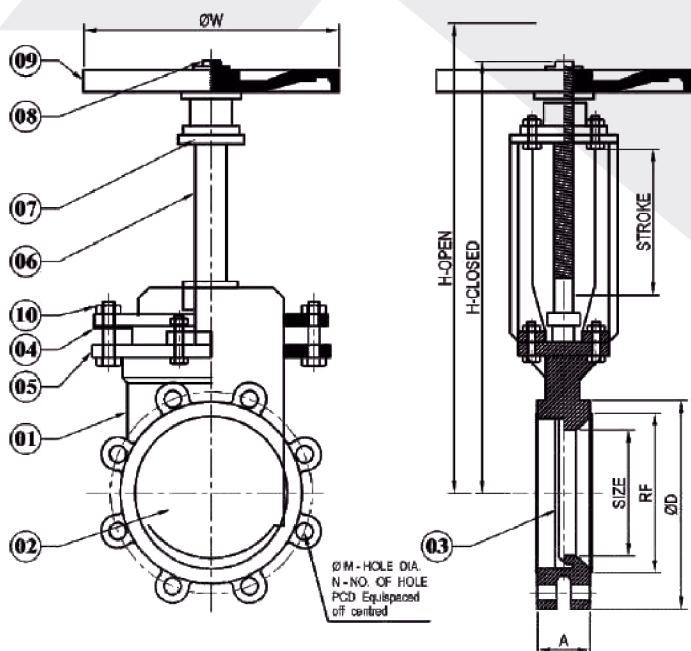
TECHNICAL DATA

DESIGN & MANUFACTURING STD.	MSS - SP 81
FACE TO FACE :	
END CONNECTIONS :	
TESTING STD.:	MSS - SP 81

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
150	150 PSIG (21 Kg/Cm²)	200° F	425 PSIG	40 PSIG

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	WCB / CF 8 / CF8M	1
02	GATE	SS 410 / SS 304 / SS 316	1
03	SEAT	METAL TO METAL, EPDM, PTFE	1
04	GLAND PACKING	PTFE / GRAPHITE	1
05	GLAND	CI / WCB / Cf8 / CF8M	1
06	STEM	SS 410 / SS 304	1
07	YOKE SLEEV	GUN METAL	1
08	STEAM NUT	SG IRON	1
09	HAND WHEEL	SG IRON	1
10	NUT & BOLTS	CS / MS	4



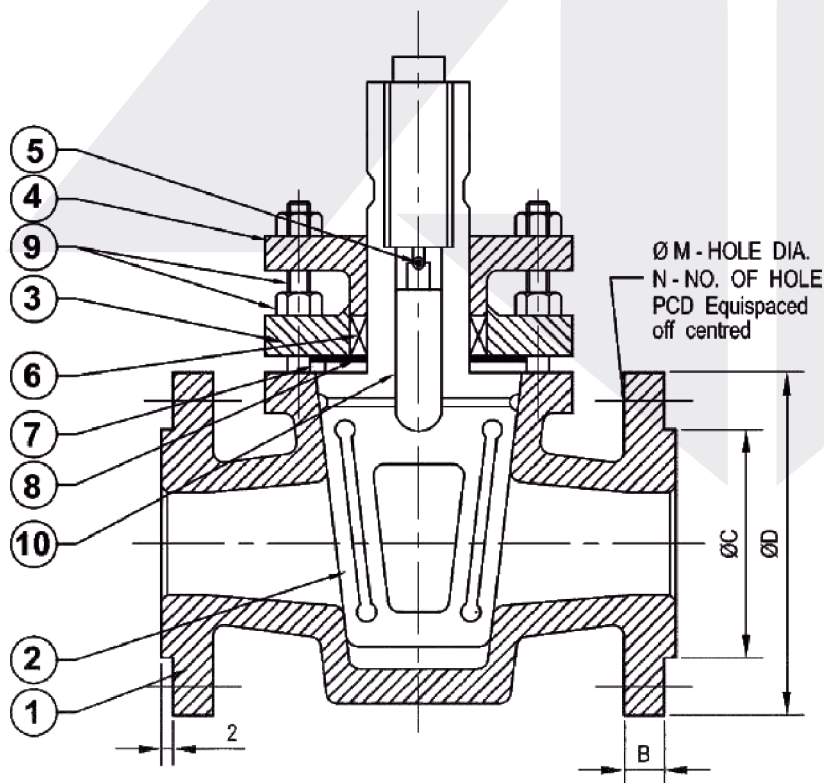
SIZE		CLASS - 150								
IN.	M.M.	A	ØC	ØD	ØM	N	P.C.D.	ØW	H.OPEN	H-CLOSED
2"	40	47.6	152	92	16	4	120	203	406.4	346
3"	80	50.8	184	152	16	4	152	203	501	406.4
4"	100	50.8	228.6	156	16	8	190.5	203	549	450
6"	150	57.15	279	216	19	8	241.3	305	705	549
8"	200	69.85	343	270	19	8	298.5	305	882	680
10"	250	69.85	406	324	22	12	362	381	1085	816
12"	300	76.20	482	381	22	12	432	381	1235	924
14"	350	76.20	533	413	25	12	476	381	1403	1066.8
16"	400	89	597	470	25	16	540	508	1603	1187
18"	457	89	635	533	28.5	16	578	508	1790	1330
20"	508	114	698.5	584	28.5	20	635	508	2457	1936
24"	610	114	813	693	31.75	20	750	508	2949	2317



PMW

PLUG VALVE SELF LUBRICATING

“PMW” make plug valve are cylindrical or conically tapered “plugs” which can be roted inside the valve body to control flow trough the valve. the plugs in plug valves have one or more hollow passageways going sideways through the plug when the valve is open. plug valves are simple and often economical



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	-
TESTING & INSPECTION STD.	BS 5146
FACE TO FACE :	AS PER ANSI B 16.10
END CONNECTIOS :	FLANGED AS PER ANSI B 16.5
TEST PRESSURE :	

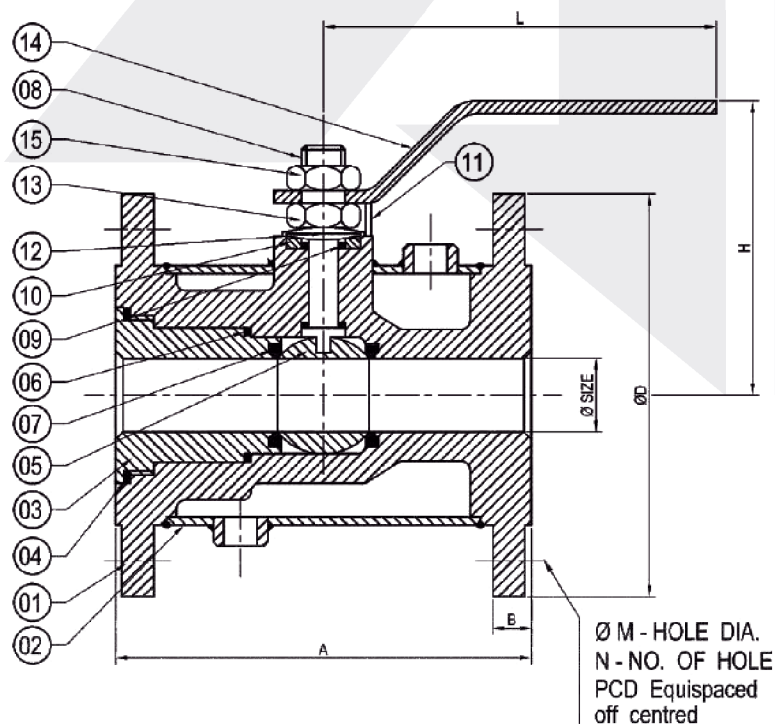
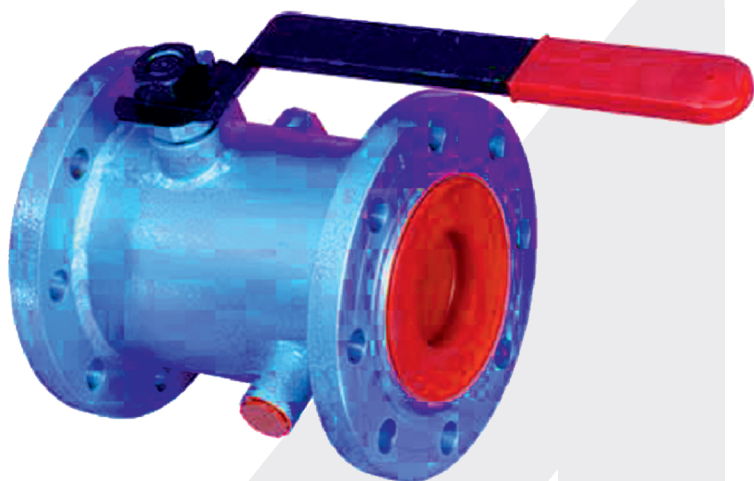
PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESSURE	TEMP.	HYD. TEST PRESSURE	
			BODY	SEAT
150 #			22 Kg/Cm ²	16 Kg/Cm ²

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	C.I. / CS / Cf8 / Cf8 M	1
02	PLUG	C.I. / CS / Cf8 / Cf8 M	1
03	COVER	C.I. / CS / Cf8 / Cf8 M	1
04	GLAND	C.I. / CS / Cf8 / Cf8 M	1
05	NON RETURN VALVE	M.S. / S.S.	1
06	GLAND PA CKING	GRAPHITED ASBESTOS	1
07	BODY GASKET	CAF / PTFE	1
08	DIAPHRAGM	M.S. / S.S. 304 / S.S. 316	1
09	BODY STUD & NUT	ASTM B-7, 1 S.S.	--
10	STEM	M.S. / S.S.	1

SIZE		CLASS - 150						
IN.	M.M.	A	B	ØC	ØD	ØM	N	P.C.D.
1/2"	15	121	11.1	35	88	16	4	59
3/4"	20	121	12.7	43	97	16	4	70
1"	25	141	14.2	51	108	16	4	78
1.1/2"	40	165	17.5	73	124	16	4	98
2"	50	178	19	92	149	19	4	119
2.1/2"	65	190	22.3	105	173	19	4	140
3"	80	203	24	127	189	19	4	150
4"	100	229	24	157	224	19	8	190
5"	125	267	24	186	250	22	8	208
6"	150	292	25	216	276	22	8	240
8"	200	3	28.5	270	34	22	8	29

“PMW” make jacketed ball valve is for heating or cooling purpose of media in process pipelines. 2 to 3 coupling are welded on jacket for circulating external media & procuring desired temprature in matler of size, jacketed ball valves are manufactured with bigger size of flangethane body size.



TECHNICAL DATA

DESIGN & MANUFACTURING STD.	BS 5351
PNEUMATIC TESTING :	BS 5145
FACE TO FACE :	AS PER ANSI B 16.10
SEAT AIR :	7Kg/cm ²
JACKET TESTING :	7Kg/cm ²
HYDROSTATIC TESTING :	BS 6755 (1)
HYDRO SHELL :	31Kg/cm ²
HYDRO SEAT :	22Kg/cm ²

PRIMARY SERVICE RATING & TEST PRESSURE

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

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTMA 216 Gr. WCB A 351 GR. CF8/AISI 304 A 351 GR. CF8M/AISI 316	1
02	JACKET	MILD STEEL/AISI 304/316	1
03	BODY NUT	ASTMA 216 Gr. WCB A 351 GR. CF8/AISI 304 A 351 GR. CFM/AISI 316	1
04	BODY SEAL	PTFE OR FILLED PTFE	1
05	BALL	AISI 304/AISI 316	1
06	SEAL	PTFE OR FILLED PTFE	1
07	SEAT SEAL	GLASS FILLED TEFLON	2
08	STEM	AISI 304/AISI 316	1
09	GLAND PACKING	PTFE OR FILLED PTFE	2
10	GLAND	AISI 304/AISI 316	1
11	STOPPER PIN	STEEL	1
12	BILLEVILLE SPRING	STEEL	1
13	GLAND NUT	AISI 304/AISI 316	1
14	LEVER	CARBON STEEL/AISI 304	1
15	LOCK NUT	STEEL (PLATED) AISI 304	1

SIZE

CLASS - 150

MM	A	B	ØC	ØD	ØM	N	P.C.D.
25 x 40	127	14.3	73	127	15.8	4	98.5
40 x 50	165	15.8	92.1	152.4	19	4	120.6
50 x 65	178	17.7	107.7	177.8	19	4	139.7
50 x 80	178	19	127	190.5	19	4	152.4
65 x 80	190	19	127	190.5	19	4	152.4
80 x 100	203	23	157.2	228.6	19	8	190.5
100 x 150	229	25.4	215.9	279	22	8	241.3



PMW

DIAPHRAGM OPERATED CONTROL VALVE (150#)



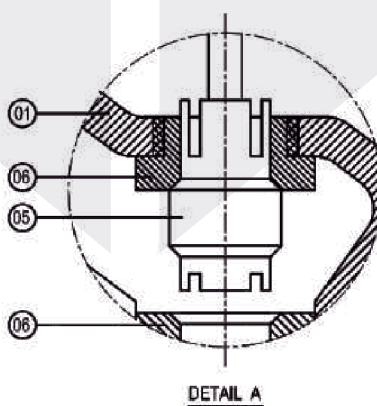
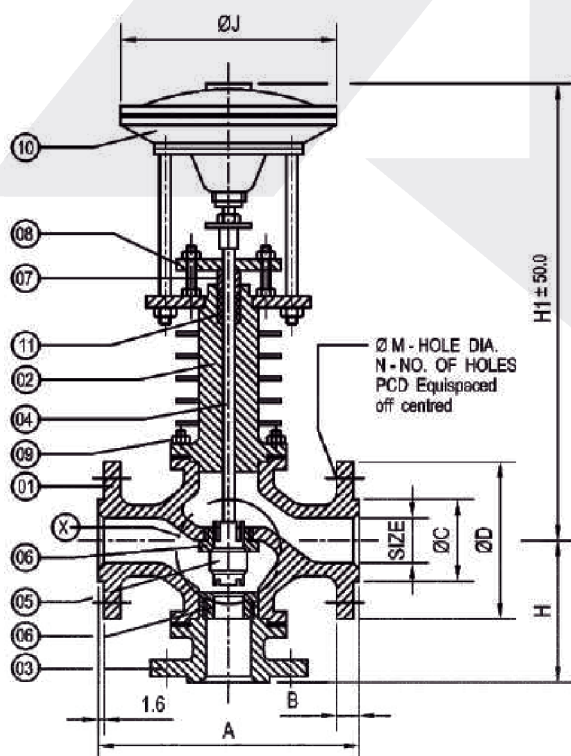
TECHNICAL DATA

DESIGN & MANUFACTURING STD.	ANSI B 16.37 / API 598
TESTING & INSPECTION STD.	FCI - 702 / ISA - RP - 39.6
SEAL LEAKAGE STD.:	ANSI B 16.5
END CONNECTIONS :	

PRIMARY SERVICE RATING & TEST PRESSURE

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

NO	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A 216 Gr. WCB	1
02	BONNET	ASTM A 216 Gr. WCB	1
03	BONNER 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. 2D	---
10	ACTUATOR	ALUMINIUM / MS	1
11	GLAND PACKING	METALIC WIRE REINFORCED GRAPHITED ASBESTOS	---



SIZE		CLASS - 150									
IN.	M.M.	A	B	ØC	ØD	H	HI	ØM	N	P.C.D.	ØJ
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	19.5	127	190.5	265	700	19	4	152.4	380
4"	100	352	24.0	157	229.0	290	700	19	8	190.4	525