

BODY MARK
(EXAMPLE)

WARREN

2
150
CF8M

TEST PRESSURE :

Shell (by Water) ,425 Psig
Seat (by Water) ,303 Psig
(by Air) ,80 Psig

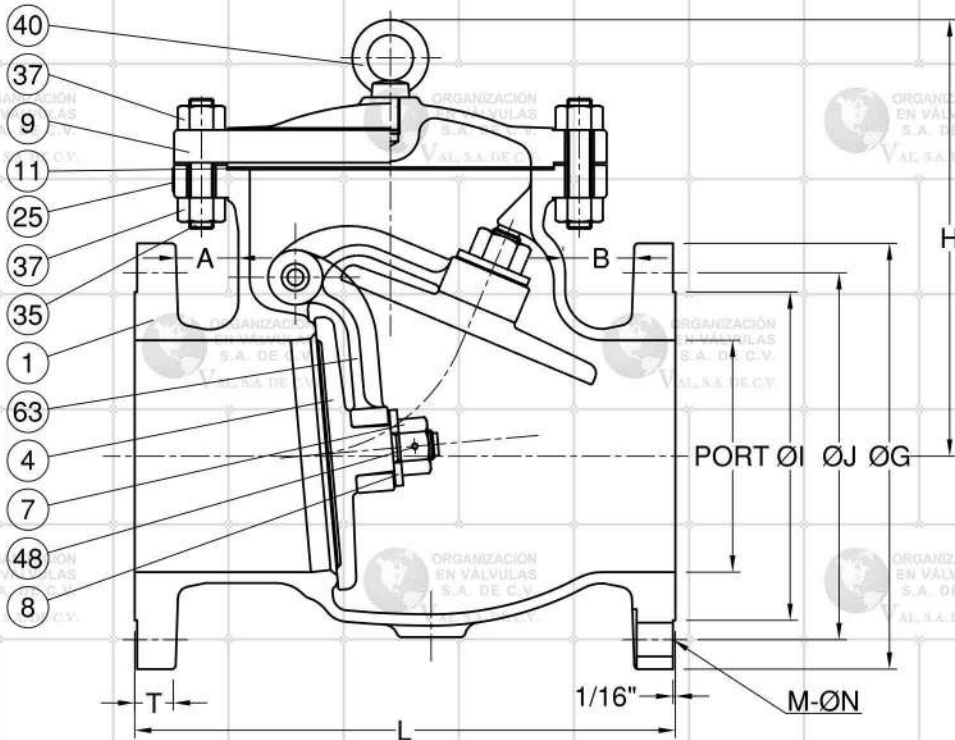
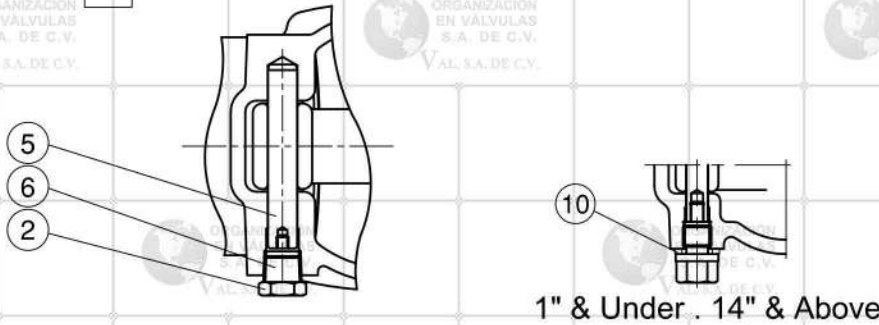
APPLICABLE STANDARDS :

Shell Wall Thickness : ANSI B16.34
Face to Face : ANSI B16.10
End Flanges : ANSI B16.5
Test Inspection Per API 598
NACE MR 01-75

Fig No: WARREN-3156

MATERIALS LIST

NO.	NAME OF PARTS	MATERIALS
1	BODY	ASTM A351 Gr.CF8M
2	PLUG	ASTM A276 Gr.316
4	DISC	ASTM A351 Gr.CF8M (1 1/2" & ABOVE) ASTM A276 Gr.316 (1" & UNDER)
5	HINGE PIN	ASTM A276 Gr.316
6	PLUG TAPE	PTFE.
7	DISC NUT	ASTM A194 Gr.8MA
8	DISC WASHER	ASTM A276 Gr.316
9	COVER	ASTM A351 Gr.CF8M
10	SEAL GASKET	ASTM A276 Gr.316 (1" & UNDER) S.S SPIRAL WOUND+PTFE / GRAPHITE (14" & ABOVE)
11	GASKET	PTFE / GRAPHITE
25	NAMEPLATE	ASTM A666 Gr.304
35	COVER STUD	ASTM A193 Gr.B8MA (10" & UNDER) ASTM A193 Gr.B8M CLASS 2 (12" & ABOVE)
37	COVER NUT	ASTM A194 Gr.8MA (10" & UNDER) ASTM A194 Gr.8M (12" & ABOVE)
40	EYE BOLT	ASTM A36+Zn PLATE (5" & ABOVE)
48	PIN	ASTM A276 Gr.316
63	SWING ARM	ASTM A351 Gr.CF8M



DIMENSIONS

SIZE	PORT	L	H	ØG	ØJ	ØI	T	M	ØN	(A)	(B)	Weight(lbs)	CV's (GPM)	Cracking Pressure(Psi)	
DN15	1/2"	0.59	4.25	3.15	3.50	2.38	1.38	0.38	4	0.62	0.53	0.67	4.0	10.17	0.48
DN20	3/4"	0.75	4.62	3.15	3.88	2.75	1.69	0.41	4	0.62	0.67	0.77	5.5	23.79	0.27
DN25	1"	1.00	5.00	3.76	4.25	3.12	2.00	0.44	4	0.62	0.74	0.69	7.7	44.09	0.26
DN32	1-1/4"	1.26	5.50	3.94	4.62	3.50	2.50	0.50	4	0.62	0.80	0.86	13.0	70.43	0.41
DN40	1-1/2"	1.50	6.50	4.80	5.00	3.88	2.88	0.56	4	0.62	0.92	0.84	15.0	103.81	0.36
DN50	2"	2.00	8.00	5.59	6.00	4.75	3.62	0.62	4	0.75	1.16	1.23	24.0	194.02	0.41
DN65	2-1/2"	2.50	8.50	5.83	7.00	5.50	4.12	0.69	4	0.75	1.02	1.13	35.9	311.46	0.37
DN80	3"	3.11	9.50	6.34	7.50	6.00	5.00	0.75	4	0.75	1.34	0.96	45.9	448.50	0.33
DN100	4"	4.00	11.50	7.36	9.00	7.50	6.19	0.94	8	0.75	1.55	1.17	66.1	820.45	0.36
DN125	5"	5.00	13.00	10.28	10.00	8.50	7.31	0.94	8	0.88	1.37	2.24	92.6	1321.41	0.40
DN150	6"	6.00	14.00	11.30	11.00	9.50	8.50	1.00	8	0.88	1.21	1.84	123.7	1965.23	0.37
DN200	8"	8.00	19.50	12.44	13.50	11.75	10.62	1.12	8	0.88	2.79	2.99	205.0	3616.36	0.42
DN250	10"	10.00	24.50	15.47	16.00	14.25	12.75	1.19	12	1.00	3.45	4.18	370.0	5650.57	0.42
DN300	12"	12.00	27.50	16.85	19.00	17.00	15.00	1.25	12	1.00	4.88	4.04	476.2	8443.98	0.39
DN350	14"	13.25	31.00	18.11	21.00	18.75	16.25	1.38	12	1.12	5.80	4.89	729.7	10294.76	0.66
DN400	16"	15.25	34.00	20.17	23.50	21.25	18.50	1.44	16	1.12	6.19	6.12	771.6	13637.17	0.68
DN450	18"	17.25	38.50	23.28	25.00	22.75	21.00	1.56	16	1.25			1105.0	18161.17	0.78
DN500	20"	19.25	38.50	24.69	27.50	25.00	23.00	1.69	20	1.25			1340.4	22616.59	0.77
DN600	24"	23.25	51.00	29.21	32.00	29.50	27.25	1.88	20	1.38			2105.5	32992.22	0.83

Notes:
(A)(B):Reference Value

	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
SIGN	William.Wang	S.C.Chen	Kiko.Wen	WARREN-3156	MATERIAL LIST	inch	STAINLESS STEEL SWING CHECK VALVES
DATE	05/08/2015	05/08/2015	05/08/2015	REVISION	13	SCALE	FREE

warren Valve

FLANGED END ANSI CLASS 150