

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 :

Gate Valve : API 603

Shell Wall Thickness : ANSI B16.34

Face to Face : ANSI B16.10

End Flanges : ANSI B16.5

Test Inspection Per API 598

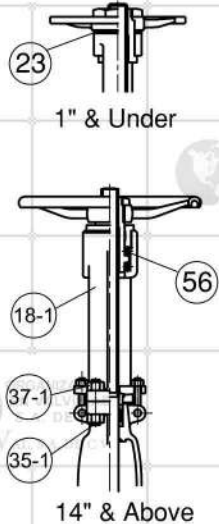
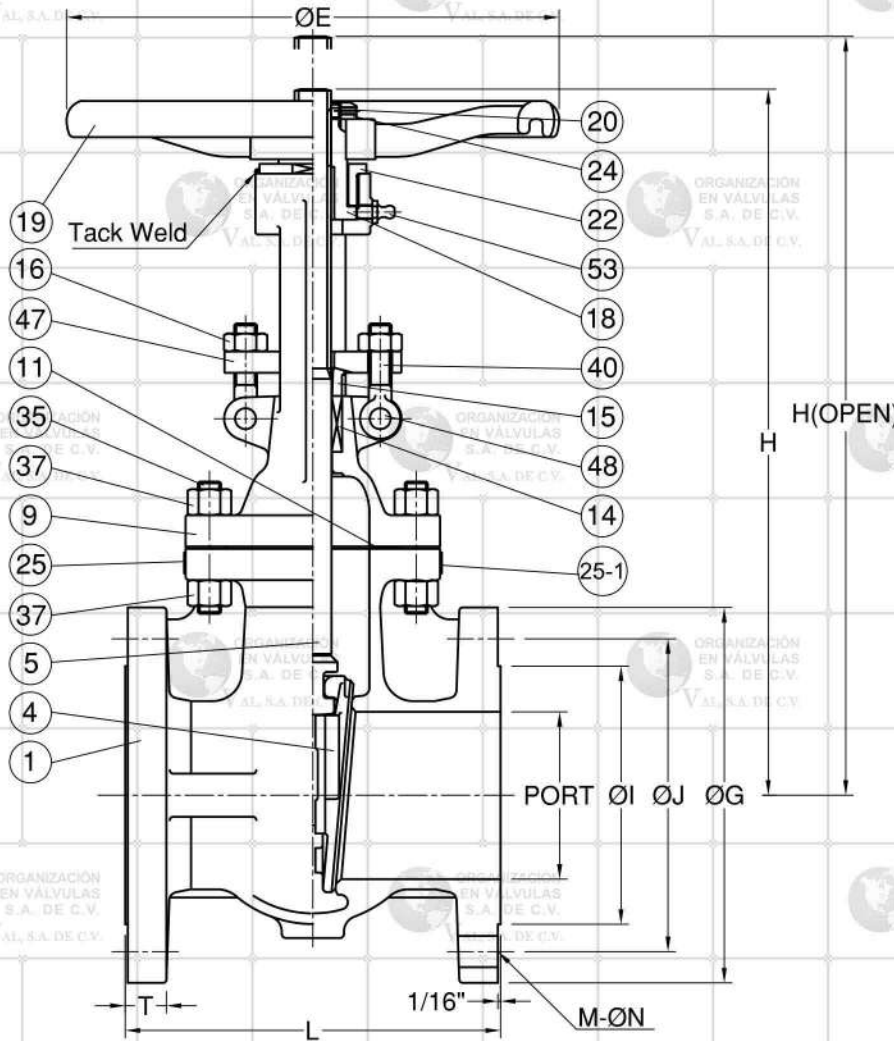
NACE MR 01-75

Low Emission : ISO 15848-2 50 PPM

Fig No: WARREN-1156

MATERIALS LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A351 Gr.CF8M
4	WEDGE	ASTM A351 Gr.CF8M (FLEXIBLE WEDGE)
5	STEM	ASTM A276 Gr.316
9	BONNET	ASTM A351 Gr.CF8M
11	GASKET	PTFE / GRAPHITE
12	INTEGRAL SEAT	STL#6 (12" & ABOVE)
14	PACKING	PTFE(CUP&CONE DESIGN) / GRAPHITE(FLAT DESIGN)
15	GLAND	ASTM A351 Gr.CF8M
16	EYE BOLT NUT	ASTM A194 Gr.8MA (HEAVY)
18	SLEEVE	ASTM A439 Gr.D2C
18-1	YOKE	ASTM A351 Gr.CF8 (14" & ABOVE)
19	HANDWHEEL	ASTM A536 DUCTILE IRON
20	SET SCREW	ASTM A193 Gr.B8
22	STEM NUT	ASTM A351 Gr.CF8 (1-1/2" & ABOVE)
23	WASHER	ASTM A276 Gr.304 (1" & UNDER)
24	HANDWHEEL NUT	ASTM A351 Gr.CF8
25	NAMEPLATE	ASTM A666 Gr.304
25-1	LOW EMISSION NAMEPLATE	ASTM A666 Gr.304
35	BONNET STUD	ASTM A193 Gr.B8MA (10" & UNDER) ASTM A193 Gr.B8M CLASS 2 (12" & ABOVE)
35-1	YOKE BOLT	ASTM A193 Gr.B8M CLASS 2 (14" & ABOVE)
37	BONNET NUT	ASTM A194 Gr.8MA (10" & UNDER) ASTM A194 Gr.8M (12" & ABOVE)
37-1	YOKE NUT	ASTM A194 Gr.8M (14" & ABOVE)
40	EYE BOLT	ASTM A193 Gr.B8MA
47	GLAND FLANGE	ASTM A351 Gr.CF8
48	EYE BOLT PIN	ASTM A276 Gr.304
53	GREASE FITTING	ANSI 304 (1-1/2" & ABOVE)
56	BEARING	STEEL (14" & ABOVE)



DIMENSIONS

SIZE	PORT	L	ØE	H	H(OPEN)	ØG	ØJ	ØI	T	M	ØN	Weight(lbs)	Torques (lb-in)	CV's (GPM)	
DN15	1/2"	0.59	4.25	3.94	7.01	7.72	3.50	2.38	1.38	0.38	4	0.62	7.1	50	16.08
DN20	3/4"	0.75	4.62	3.94	7.87	8.66	3.88	2.75	1.69	0.41	4	0.62	8.8	56	37.61
DN25	1"	1.00	5.00	5.91	9.13	10.24	4.25	3.12	2.00	0.44	4	0.62	15.0	66	69.70
DN32	1-1/4"	1.26	5.50	5.91	10.35	11.89	4.62	3.50	2.50	0.50	4	0.62	23.4	70	111.36
DN40	1-1/2"	1.50	6.50	7.09	10.35	12.13	5.00	3.88	2.88	0.56	4	0.62	22.7	72	164.13
DN50	2"	2.00	7.00	7.09	10.98	13.27	6.00	4.75	3.62	0.62	4	0.75	28.7	80	306.77
DN65	2-1/2"	2.50	7.50	7.87	12.95	15.87	7.00	5.50	4.12	0.69	4	0.75	42.1	90	492.46
DN80	3"	3.11	8.00	7.87	14.41	17.83	7.50	6.00	5.00	0.75	4	0.75	53.4	127	709.14
DN100	4"	4.00	9.00	11.81	16.93	21.42	9.00	7.50	6.19	0.94	8	0.75	82.5	187	1297.24
DN125	5"	5.00	10.00	11.81	19.96	25.59	10.00	8.50	7.31	0.94	8	0.88	118.6	332	2089.33
DN150	6"	6.00	10.50	11.81	22.52	29.13	11.00	9.50	8.50	1.00	8	0.88	141.1	413	3107.30
DN200	8"	8.00	11.50	13.78	28.54	37.17	13.50	11.75	10.62	1.12	8	0.88	222.7	678	5717.97
DN250	10"	10.00	13.00	15.75	34.37	45.08	16.00	14.25	12.75	1.19	12	1.00	317.5	1050	8934.33
DN300	12"	12.00	14.00	17.72	39.72	52.44	19.00	17.00	15.00	1.25	12	1.00	445.3	1627	13351.10
DN350	14"	13.25	15.00	19.69	44.41	58.35	21.00	18.75	16.25	1.38	12	1.12	674.6	2438	16277.45
DN400	16"	15.25	16.00	23.62	50.39	66.50	23.50	21.25	18.50	1.44	16	1.12	846.6	3303	21562.26
DN450	18"	17.25	17.00	23.62	55.75	73.86	25.00	22.75	21.00	1.56	16	1.25	1104.5	6890	28715.33
DN500	20"	19.25	18.00	27.56	61.65	81.69	27.50	25.00	23.00	1.69	20	1.25	1325.0	8795	35759.96
DN600	24"	23.25	20.00	30.12	73.94	98.43	32.00	29.50	27.25	1.88	20	1.38	2109.8	13553	52165.27



	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
SIGN	William.Wang	S.C.Chen	Kiko.Wen	WARREN-1156	MATERIAL LIST	inch	STAINLESS STEEL GATE VALVES
DATE	08/18/2015	08/18/2015	08/18/2015	REVISION 13	SCALE	FREE	FLANGED END ANSI CLASS 150