

BODY MARK  
(EXAMPLE)

WARREN  
2  
150  
CF8M

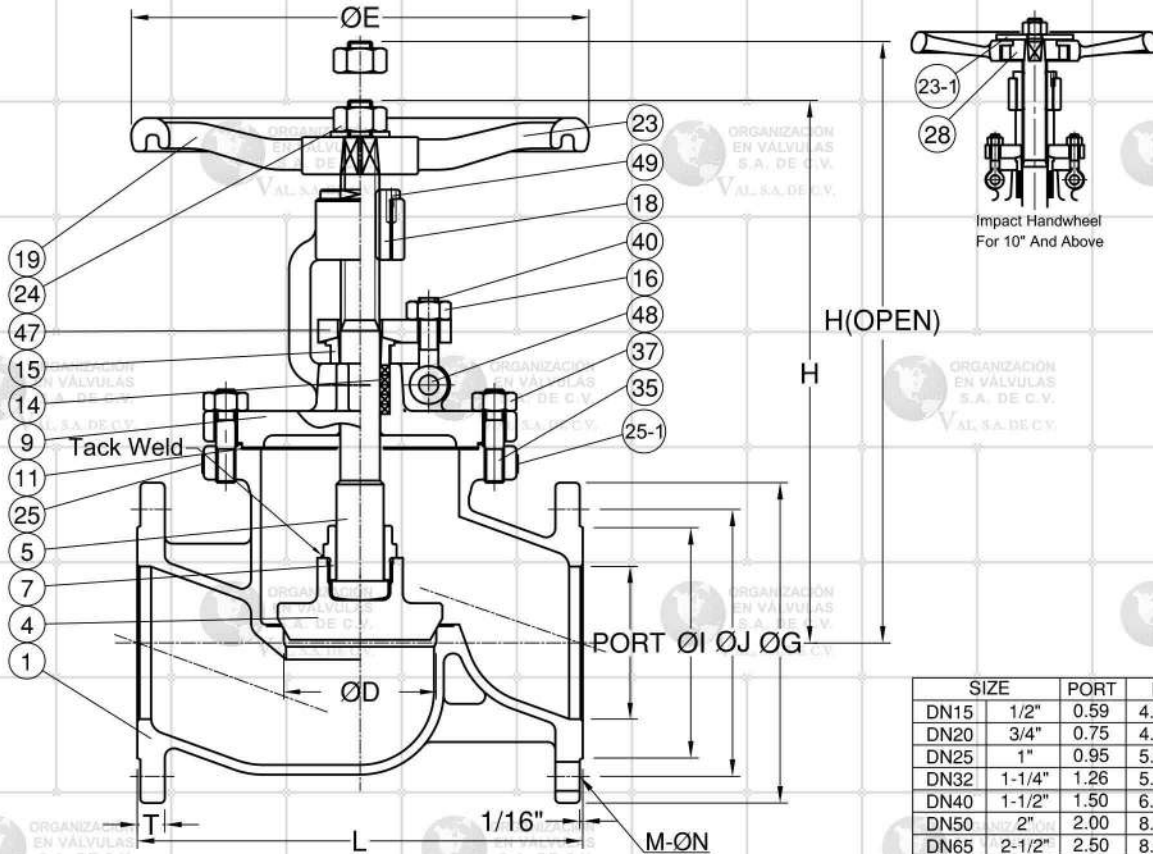
TEST PRESSURE :  
Shell ( by Water ) ,425 Psig  
Seat ( by Water ) ,303 Psig  
( by Air ) ,80 Psig

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  
Low Emission : ISO 15848-2 50 PPM

# Fig No: WARREN-2156

## MATERIALS LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A351 Gr.CF8M
4	DISC	ASTM A351 Gr.CF8M (4" & ABOVE) ASTM A276 Gr.316 (3" & UNDER)
5	STEM	ASTM A276 Gr.316
7	DISC NUT	ASTM A351 Gr.CF8M (4" & ABOVE) ASTM A276 Gr.316 (3" & UNDER)
9	BONNET	ASTM A351 Gr.CF8M
11	GASKET	PTFE / GRAPHITE
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	YOKE SLEEVE	ASTM A439 Gr.D2C
19	HANDWHEEL	ASTM A536 DUCTILE IRON
23	SPRING WASHER	ANSI 304
23-1	WASHER	ASTM A240 Gr.304
24	HANDWHEEL NUT	ASTM A194 Gr.8
25	NAME PLATE	ASTM A666 Gr.304
25-1	LOW EMISSION NAMEPLATE	ASTM A666 Gr.304
28	IMPACT BLOCK	ASTM A216 Gr.WCB
35	BONNET STUD	ASTM A193 Gr.B8MA (10" & UNDER) ASTM A193 Gr.B8M CLASS 2 (12" & ABOVE)
37	BONNET NUT	ASTM A194 Gr.8MA (10" & UNDER) ASTM A194 Gr.8M (12" & ABOVE)
40	EYE BOLT	ASTM A193 Gr.B8MA
47	GLAND FLANGE	ASTM A351 Gr.CF8
48	EYE BOLT PIN	ASTM A276 Gr.304
49	SLEEVE PIN	ANSI 304



## DIMENSIONS

SIZE	PORT	L	ØE	H	H(OPEN)	ØG	ØJ	ØI	T	M	ØN	ØD	Weight(lbs)	Torques (lb-in)	unit:inch CV's (GPM)	
DN15	1/2"	0.59	4.25	3.94	6.22	6.71	3.50	2.38	1.38	0.38	4	0.62	0.59	6.2	46	2.47
DN20	3/4"	0.75	4.62	3.94	6.22	8.85	3.88	2.75	1.69	0.41	4	0.62	0.75	7.1	50	5.77
DN25	1"	0.95	5.00	3.94	6.50	7.22	4.25	3.12	2.00	0.44	4	0.62	0.95	8.2	56	10.69
DN32	1-1/4"	1.26	5.50	7.09	8.27	9.02	4.62	3.50	2.50	0.50	4	0.62	1.26	13.0	74	17.08
DN40	1-1/2"	1.50	6.50	7.09	8.27	9.09	5.00	3.88	2.88	0.56	4	0.62	1.50	15.0	92	25.18
DN50	2"	2.00	8.00	7.09	8.86	9.69	6.00	4.75	3.62	0.62	4	0.75	1.93	22.7	140	47.06
DN65	2-1/2"	2.50	8.50	7.87	11.69	13.03	7.00	5.50	4.12	0.69	4	0.75	2.50	40.1	193	75.54
DN80	3"	3.11	9.50	9.84	13.54	14.92	7.50	6.00	5.00	0.75	4	0.75	3.11	53.6	274	108.78
DN100	4"	4.00	11.50	11.81	14.80	16.38	9.00	7.50	6.19	0.94	8	0.75	3.94	86.2	536	198.99
DN150	5"	5.00	14.00	15.75	16.24	17.93	10.00	8.50	7.31	0.94	8	0.88	5.00	130.7	894	320.49
DN200	6"	6.00	16.00	15.75	17.44	19.33	11.00	9.50	8.50	1.00	8	0.88	6.00	163.1	1210	476.64
DN250	8"	8.00	19.50	17.72	22.24	24.96	13.50	11.75	10.62	1.12	8	0.88	8.00	253.5	2442	877.10
DN300	10"	10.00	24.50	17.72	22.83	26.06	16.00	14.25	12.75	1.19	12	1.00	10.00	509.3	4187	1370.46
DN350	12"	12.00	27.50	22.05	25.98	29.53	19.00	17.00	15.00	1.25	12	1.00	12.00	648.2	6625	2047.97

**warren Valve**

	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
SIGN	William.Wang	S.C.Chen	Kiko.Wen	WARREN-2156	MATERIAL LIST	inch	STAINLESS STEEL GLOBE VALVES
DATE	08/18/2015	08/18/2015	08/18/2015	REVISION 12	SCALE	FREE	FLANGED END ANSI CLASS 150