

BODY MARK
 WARREN
 2
 150
 CF8M

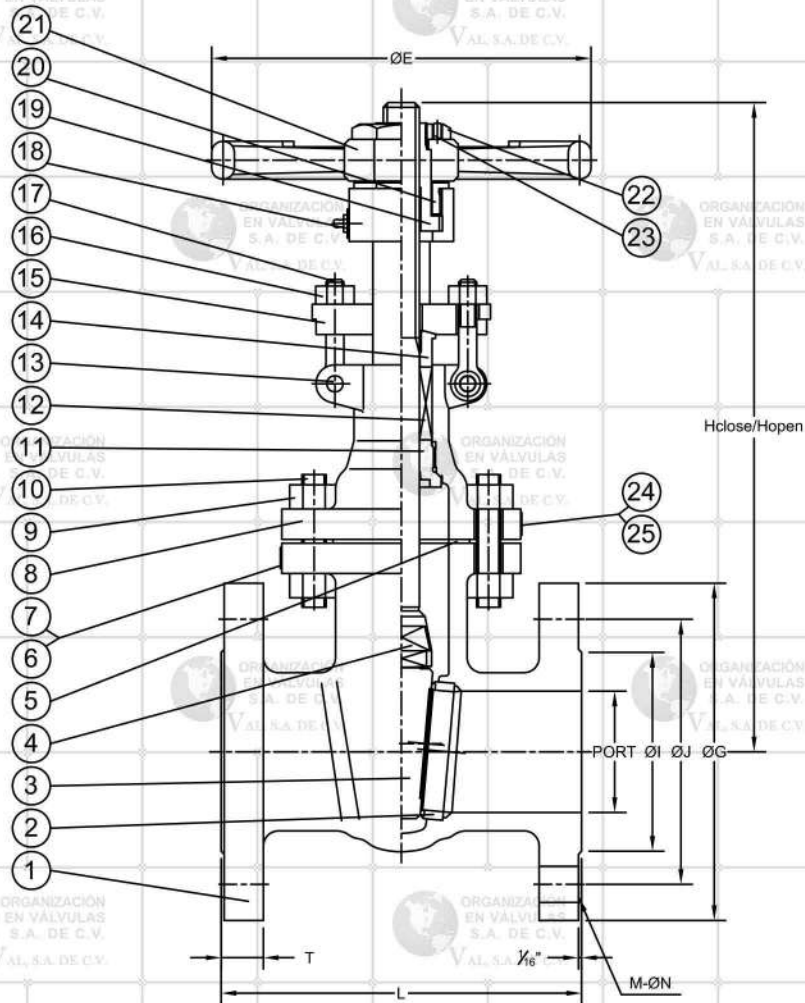
TEST PRESSURE:
 Test inspection Per API 598
 Shell(by Water):425Psig
 Seat(by Water):303Psig
 (by Air):80Psig
 Low Emission:ISO 15848-2,50PPM

APPLICABLE STANDARDS:
 Gate Valve:API 600
 Shell Wall Thickness:API 600
 Face to Face:ANSI B16.10
 End Flanges:ANSI B16.5
 NACE MR-01-75

Fig No.:WARREN-1156-12N

MATERIALS LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A351 Gr. CF8M
2	SEAT RING	ASTM A182 Gr.F316+STL 6#
3	WEDGE	ASTM A351 Gr. CF8M (SOLID WEDGE)
4	STEM	ASTM A182 Gr. F316
5	GASKET	PTFE
6	NAMEPLATE	ASTM A666 Gr. 304
7	RIVET	ASTM A666 Gr. 304
8	BONNET	ASTM A351 Gr. CF8M
9	BONNET NUT	ASTM A194 Gr. 8MA (HEAVY)
10	BONNET BOLT	ASTM A193 Gr. B8MA
11	BACK SEAT RING	ASTM A276 Gr. 316
12	PACKING	PTFE
13	EYE BOLT PIN	ASTM A276 Gr.420
14	GLAND	ASTM A276 Gr.316
15	GLAND FLANGE	ASTM A351 Gr. CF8
16	EYE BOLT NUT	ASTM A194 Gr. 8MA (HEAVY)
17	EYE BOLT	ASTM A193 Gr. B8MA
18	OIL FILLER	ASTM A276 Gr.304
19	STEM NUT	ASTM A439 Gr. D-2C
20	RETAINING NUT	ASTM A276 Gr.420
21	HANDWHEEL	ASTM A536 65-45-12
22	HANDWHEEL NUT	ASTM A276 Gr.420
23	SCREW	ASTM A666 Gr. 316
24	LOW EMISSION TAG	ASTM A666 Gr. 304
25	RIVET	ASTM A666 Gr. 304



DIMENSIONS

SIZE	PORT	L	ØE	Hclose	Hopen	ØG	ØJ	ØI	T	M	ØN	Weight(lbs)	Cv's(GPM)	Torque(lbf-in)	
DN50	2"	2.00	7.00	7.87	12.30	14.63	6.00	4.75	3.62	0.75	4	0.75	40.79	60.3	97.4
DN65	2-1/2"	2.52	7.50	7.87	13.47	16.26	7.00	5.50	4.13	0.88	4	0.75	46.34	61.7	143.4



	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
SIGN	CN Chen	Ji Zhuping	Wang Wei	WARREN-1156-12N	MATERIALS LIST	inch	STAINLESS STEEL GATE VALVES FLANGE END , ANSI CLASS 150
DATE	12/21/2017	12/21/2017	12/21/2017	REVISION 01	SCALE	FREE	

BODY MARK
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 3
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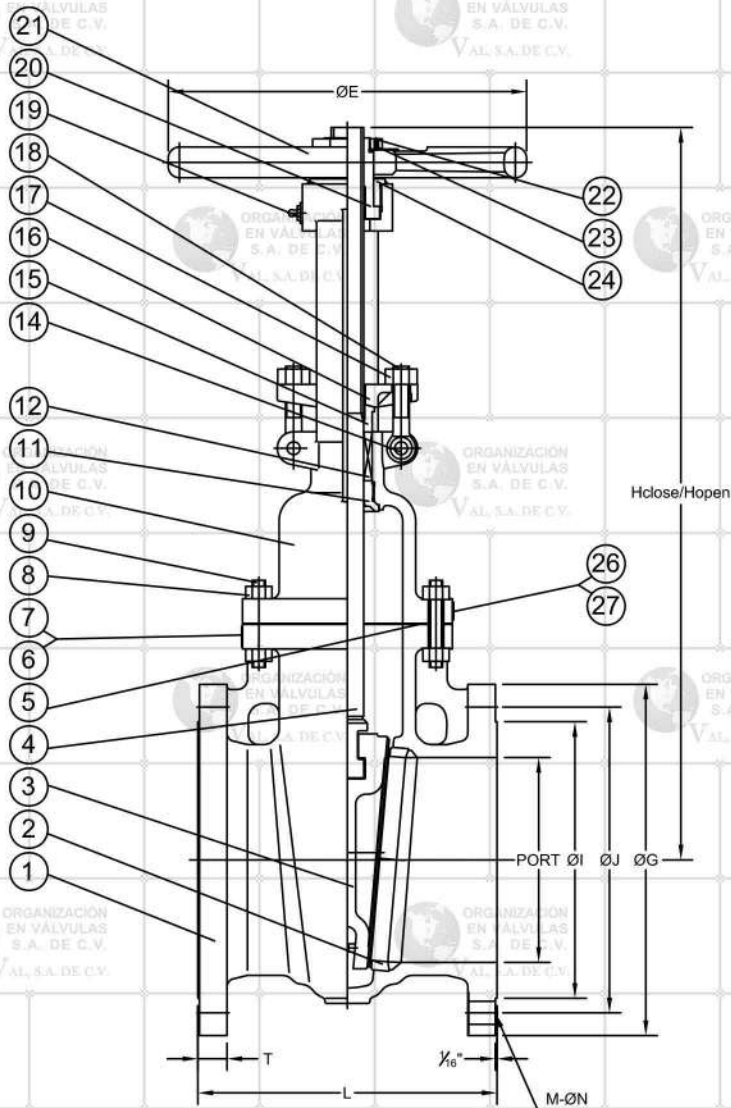
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 NACE MR-01-75

Fig No.:WARREN-1156-12N

MATERIALS LIST

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A351 Gr. CF8M
2	SEAT RING	ASTM A182 Gr.F316+STL 6#
3	WEDGE	ASTM A351 Gr. CF8M (FLEXIBLE WEDGE)
4	STEM	ASTM A182 Gr. F316
5	GASKET	PTFE
6	NAMEPLATE	ASTM A666 Gr. 304
7	RIVET	ASTM A666 Gr. 304
8	BONNET NUT	ASTM A194 Gr. 8MA (HEAVY)
9	BONNET BOLT	ASTM A193 Gr. B8MA
10	BONNET	ASTM A351 Gr. CF8M
11	BACK SEAT RING	ASTM A276 Gr. 316
12	PACKING	PTFE
14	EYE BOLT PIN	ASTM A276 Gr.420
15	GLAND	ASTM A276 Gr.316
16	GLAND FLANGE	ASTM A351 Gr. CF8
17	EYE BOLT	ASTM A193 Gr. B8MA
18	EYE BOLT NUT	ASTM A194 Gr. 8MA (HEAVY)
19	OIL FILLER	ASTM A276 Gr. 304
20	STEM NUT	ASTM A439 Gr. D-2C
21	HANDWHEEL	ASTM A536 65-45-12
22	HANDWHEEL NUT	ASTM A276 Gr.420
23	SCREW	ASTM A666 Gr. 316
24	RETAINING NUT	ASTM A276 Gr.420
26	LOW EMISSION TAG	ASTM A666 Gr. 304
27	RIVET	ASTM A666 Gr. 304



DIMENSIONS

unit:inch

SIZE	PORT	L	ØE	Hclose	Hopen	ØG	ØJ	ØI	T	M	ØN	Weight(lbs)	Cv's(GPM)	Torque(lb-in)	
DN80	3"	3.00	8.00	9.84	14.21	17.52	7.50	6.00	5.00	0.94	4	0.75	72.75	109.7	194.7
DN100	4"	4.00	9.00	9.84	17.06	21.41	9.00	7.50	6.18	0.94	8	0.75	108.03	190.0	327.5
DN150	6"	6.00	10.50	11.81	22.76	29.14	11.00	9.50	8.50	1.00	8	0.88	191.80	427.5	646.1
DN200	8"	8.00	11.50	13.78	28.35	36.69	13.50	11.75	10.63	1.12	8	0.88	291.01	759.8	1053.2

	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
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DATE	12/21/2017	12/21/2017	12/21/2017	REVISION 01	SCALE	FREE	