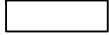


**BODY MARK**

WA  
2  
150  
WCB



**TEST PRESSURE:**

Test inspection Per API 598  
Shell(by Water):450Psig  
Seat(by Water):315Psig  
(by Air):80Psig

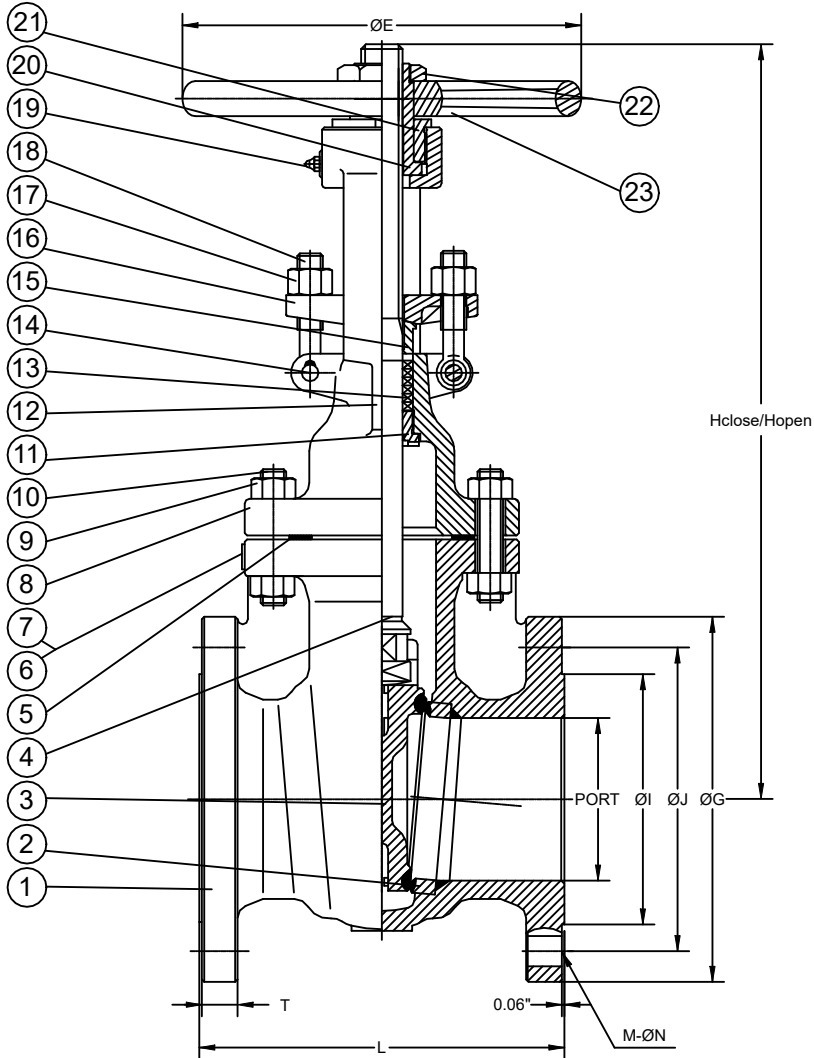
**APPLICABLE STANDARDS:**

SHELL WALL THICKNESS:ASME B16.34  
Face to Face:ASME B16.10  
End Flanges:ASME B16.5

# Fig No.:WARREN-1155C-8

**MATERIALS LIST**

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A216 Gr. WCB
2	SEAT RING	ASTM A105+STL 6#
3	WEDGE	ASTMA216 WCB+13Cr(4" & below ASTM A217 Gr. CA15) (FLEXIBLE WEDGE)
4	STEM	ASTM A182 Gr.F6a CL3
5	GASKET	GRAPHITE+304
6	NAMEPLATE	ASTM A666 Gr. 304
7	RIVET	ASTM A666 Gr. 304
8	BONNET	ASTM A216 Gr. WCB
9	BONNET NUT	ASTM A194 Gr. 2H (HEAVY)
10	BONNET BOLT	ASTM A193 Gr. B7
11	BACK SEAT RING	ASTM A182 Gr.F6a CL3
12	PACKING	BRAIDED GRAPHITE (Cup and Cone Design)
13	PACKING	FLEXIBLE GRAPHITE (Cup and Cone Design)
14	EYE BOLT PIN	ASTM A29 Gr. 1035
15	GLAND	ASTM A182 Gr.F6a CL2
16	GLAND FLANGE	ASTM A105
17	EYE BOLT NUT	ASTM A194 Gr. 2H (HEAVY)
18	EYE BOLT	ASTM A193 Gr. B7
19	OIL FILLER	ASTM A570 Gr. A
20	STEM NUT	ASTM A439 Gr. D-2
21	RETAINING NUT	ASTM A29 Gr. 1035
22	HANDWHEEL NUT	ASTM A29 Gr. 1035
23	HANDWHEEL	NODULAR CAST IRON (AWS 60-40-18)



**DIMENSIONS**

unit:inch

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	12.01	14.30	6.00	4.75	3.62	0.56	4	0.75	39.72	60.3	133
DN65	2-1/2"	2.50	7.50	7.87	12.80	15.55	7.00	5.50	4.12	0.62	4	0.75	59.58	74.7	177
DN80	3"	3.00	8.00	7.87	13.78	17.01	7.50	6.00	5.00	0.69	4	0.75	71.49	108.7	221
DN100	4"	4.00	9.00	9.84	16.22	20.55	9.00	7.50	6.19	0.88	8	0.75	105.25	188.2	354
DN125	5"	5.00	10.00	9.84	19.92	25.81	10.00	8.50	7.31	0.88	8	0.875	158.87	305.9	487
DN150	6"	6.00	10.50	9.84	22.05	28.34	11.00	9.50	8.50	0.94	8	0.875	168.80	423.4	620
DN200	8"	8.00	11.50	11.81	28.00	36.45	13.50	11.75	10.62	1.06	8	0.875	270.01	752.7	1018
DN250	10"	10.00	13.00	13.78	33.93	44.37	16.00	14.25	12.75	1.12	12	1.00	397.17	1176.1	1593
DN300	12"	12.00	14.00	15.75	39.37	57.96	19.00	17.00	15.00	1.19	12	1.00	641.43	1683.1	2390

	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
	Daniel	Eddie	JQZ	WARREN-1155C-8	MATERIALS LIST	inch	CARBON STEEL GATE VALVES
DATE	11/03/2023	11/03/2023	11/03/2023	REVISION	05	SCALE	FREE
							FLANGE END , ASME CLASS 150