

# Fig No: WARREN-1155C-8

BODY MARK



2

150

WCB

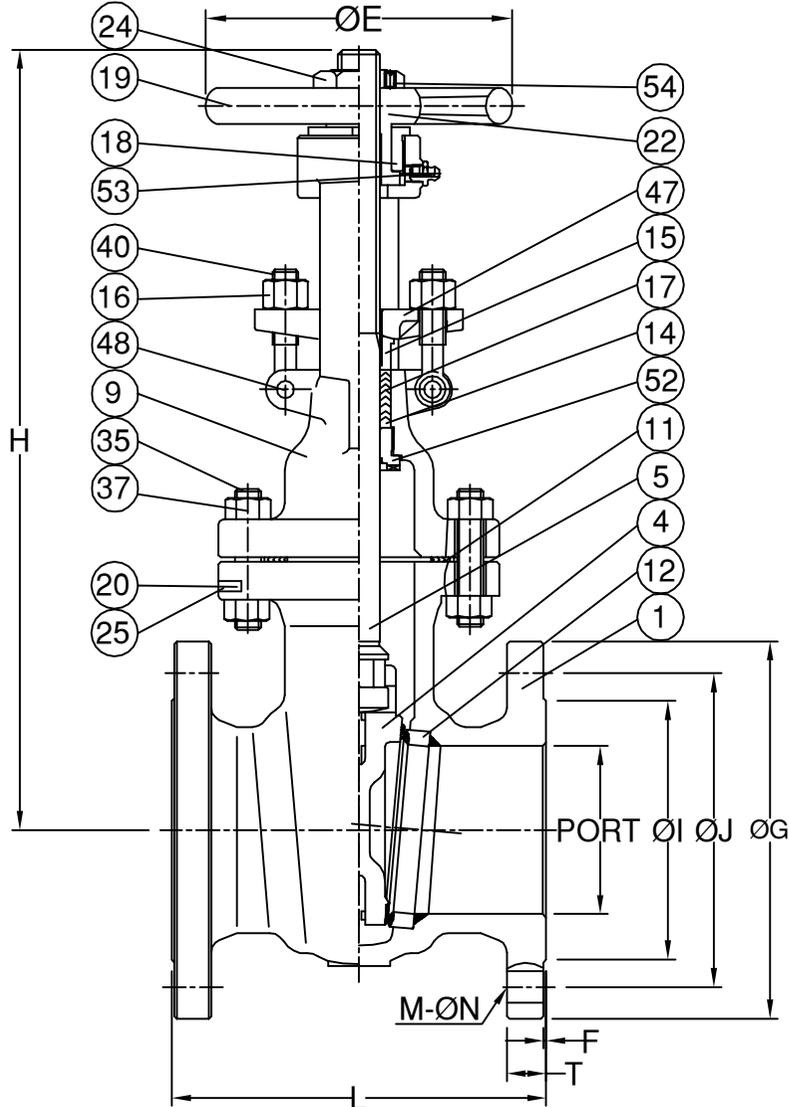


APPLICABLE STANDARDS:  
 Gate Valve:API 600  
 Shell Wall Thickness:API 600  
 Face to Face:ANSI B16.10  
 End Flanges:ANSI B16.5

TEST PRESSURE:  
 Test Inspection Per API 598  
 Shell (by Water),450 Psig  
 Seat (by Water),314 Psig  
 (by Air),80 Psig

## MATERIALS LIST

NO.	PART NAME	MATERIAL
1	BODY	ASTM A216 Gr.WCB
4	WEDGE	ASTM A216 Gr.WCB+13Cr
5	STEM	ASTM A182 Gr.F6a
9	BONNET	ASTM A216 Gr.WCB
11	GASKET	304+FLEXIBLE GRAPHITE
12	SEAT RING	ASTM A105+STL#6
14	PACKING	FLEXIBLE GRAPHITE
15	GLAND	ASTM A276 Gr.410
16	EYE NUT	ASTM A194 Gr.2HM
17	PACKING	STAINLESS STEEL WIRE+GRAPHITE
18	SLEEVE	ASTM A29 Gr. 1020
19	HANDWHEEL	ASTM A536 Gr.65-45-12
20	RIVET	SS304
22	STEM NUT	ASTM A439 Gr.D-2
24	LOCK NUT	ASTM/ANSI 1020
25	NAME PLATE	SS304
35	BOLT	ASTM A193 Gr.B7M
37	NUT	ASTM A194 Gr.2HM
40	EYE BOLT	ASTM A193 Gr.B7M
47	GLAND FLANGE	ASTM A216 Gr.WCB
48	PIN	ASTM A29 Gr.1035
52	BACK SEAT	ASTM A276 Gr.410
53	OIL FILLER	CARBON STEEL
54	SCREW	ASTM A29 Gr.1035



## DIMENSIONS

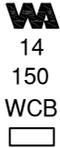
SIZE	STEM	Stem pitch	Stem lead	Stem dia.
DN50 2"	3/4-6ACME-2G-LH	0.17	0.33	0.75
DN65 2-1/2"	3/4-6ACME-2G-LH	0.17	0.33	0.75
DN80 3"	7/8-6ACME-2G-LH	0.17	0.33	0.87
DN100 4"	1-5ACME-2G-LH	0.20	0.40	1.00
DN125 5"	1-1/8-5ACME-2G-LH	0.20	0.40	1.14
DN150 6"	1-1/8-5ACME-2G-LH	0.20	0.40	1.14
DN200 8"	1-1/4-5ACME-2G-LH	0.20	0.40	1.25
DN250 10"	1-3/8-4ACME-2G-LH	0.25	0.50	1.37
DN300 12"	1-1/2-4ACME-2G-LH	0.25	0.50	1.50

## DIMENSIONS

SIZE	PORT	L	ØE	H	ØG	ØJ	ØI	T	F	M	ØN	Weight(lbs)	Cv(GPM)	Torque(lbs-inch)	
DN50	2"	2.00	7.00	7.88	15.20	6.00	4.75	3.62	0.75	0.06	4	0.75	41.9	57.2	252.8
DN65	2-1/2"	2.50	7.50	7.88	17.13	7.00	5.50	4.12	0.88	0.06	4	0.75	61.7	75.4	284.2
DN80	3"	3.00	8.00	9.84	19.02	7.50	6.00	5.00	0.94	0.06	4	0.75	75	109.7	425.6
DN100	4"	4.00	9.00	9.84	23.35	9.00	7.50	6.19	0.94	0.06	8	0.75	110.3	189.9	494.8
DN125	5"	5.00	10.00	11.81	26.77	10.00	8.50	7.31	0.94	0.06	8	0.88	141.1	329.7	662.5
DN150	6"	6.00	10.50	11.81	30.31	11.00	9.50	8.50	1.00	0.06	8	0.88	187.4	427.5	857.6
DN200	8"	8.00	11.50	13.78	37.60	13.50	11.75	10.62	1.12	0.06	8	0.88	249.2	759.9	1151.2
DN250	10"	10.00	13.00	15.75	45.39	16.00	14.25	12.75	1.19	0.06	12	1.00	377.1	1187.3	1592.8
DN300	12"	12.00	14.00	17.72	52.83	19.00	17.00	15.00	1.25	0.06	12	1.00	542.4	1699.1	2833.1

	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
SIGN	ZJ	YJR	DCJ	WARREN-1155C-8	MATERIALS LIST	inch	CARBON STEEL GATE VALVES FLANGED END, ANSI CLASS 150
DATE	12/01/2014	12/01/2014	12/01/2014	REVISION	02	SCALE	

BODY MARK



APPLICABLE STANDARDS:  
 Gate Valve:API 600  
 Shell Wall Thickness:API 600  
 Face to Face:ANSI B16.10  
 End Flanges:ANSI B16.5

TEST PRESSURE:  
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## MATERIALS LIST

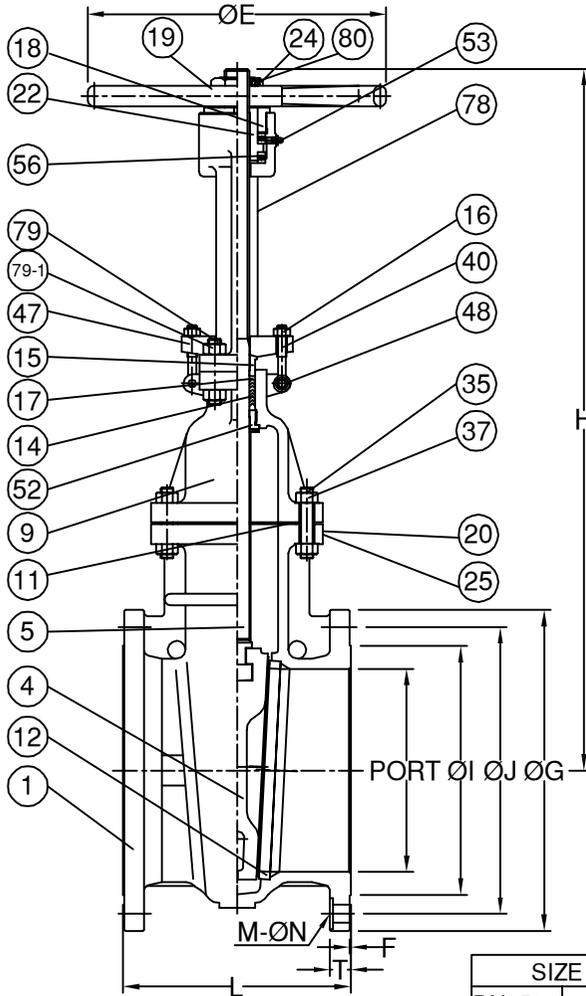
NO.	PART NAME	MATERIAL
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4	WEDGE	ASTM A216 Gr.WCB+13Cr
5	STEM	ASTM A182 Gr.F6a
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15	GLAND	ASTM A276 Gr.410
16	EYE NUT	ASTM A194 Gr.2HM
17	PACKING	STAINLESS STEEL WIRE+GRAPHITE
18	SLEEVE	ASTM A29 Gr. 1020
19	HANDWHEEL	ASTM A536 Gr.65-45-12
20	RIVET	SS304
22	STEM NUT	ASTM A439 Gr.D-2
24	LOCK NUT	ASTM A29 Gr. 1020
25	NAME PLATE	SS304
35	BOLT	ASTM A193 Gr.B7M
37	NUT	ASTM A194 Gr.2HM
40	EYE BOLT	ASTM A193 Gr.B7M
47	GLAND FLANGE	ASTM A216 Gr.WCB
48	PIN	ASTM A536 Gr.1035
52	BACK SEAT	ASTM A276 Gr.410
53	OIL FILLER	CARBON STEEL
56	BEARING	UNS 52100
78	YOKE	ASTM A216 Gr.WCB
79	BOLT	ASTM A193 Gr.B7M
79-1	NUT	ASTM A194 Gr.2HM
80	SCREW	ASTM A29 Gr.1035

## DIMENSIONS

SIZE	STEM	Stem pitch	Stem lead	Stem dia.
DN350	14" 1-5/8-0.25P-0.5L-4ACME-2G-LH	0.25	0.50	1.63
DN400	16" 1-3/4-0.25P-0.5L-4ACME-2G-LH	0.25	0.50	1.75
DN450	18" 1-7/8-0.25P-0.5L-4ACME-2G-LH	0.25	0.50	1.87
DN500	20" 2-0.25P-0.5L-4ACME-2G-LH	0.25	0.50	2.00

## DIMENSIONS

SIZE	PORT	L	ØE	H	ØG	ØJ	ØI	T	F	M	ØN	Weight(lbs)	Cv(GPM)	Torque(lbs-inch)	
DN350	14"	13.25	15.00	19.69	60.00	21.00	18.75	16.25	1.38	0.06	12	1.13	839.1	2144.6	4115.1
DN400	16"	15.25	16.00	22.05	76.76	23.50	21.25	18.50	1.44	0.06	16	1.13	1134.6	2845.6	4604.1
DN450	18"	17.25	17.00	25.20	74.80	25.00	22.75	21.00	1.56	0.06	16	1.25	1427.6	3644.3	4865.1
DN500	20"	19.25	18.00	25.20	83.46	27.50	25.00	23.00	1.69	0.06	20	1.25	1741.9	4523.9	6017.8



	APPROVED BY.	CHECK BY.	DRAWN BY.	DRAWING NO.	MATERIAL	UNIT	DESCRIPTION
SIGN	ZJ	YJR	DCJ	WARREN-1155C-8	MATERIALS LIST	inch	CARBON STEEL GATE VALVES FLANGED END, ANSI CLASS 150
DATE	12/01/2014	12/01/2014	12/01/2014	REVISION 02	SCALE	FREE	