



No.	Part Name	Material
1	Body	ASTM A216 Gr. WCB
4	Disc	ASTM A216 WCB + 13%Cr Faced
5	Stem	ASTM A182 Gr. F6
9	Bonnet	ASTM A216 Gr. WCB
11	Gasket	304+Graphite, Spiral Wound
12	Seat Ring	ASTM A105 + STL#6 Faced
14	Stem Packing	Braided Graphite + Die formed Graphite Ring
15	Gland	ASTM A276 Type 410
15-1	Lantern Ring	ASTM A276 Type 410
18	Yoke Sleeve	ASTM A439 Gr. D2
19	Hand Wheel	Malleable Iron
20	Rivet	SS304
20-1	Screw	Carbon Steel
22	Stem Retainer Nut	Carbon Steel
24	Hand Wheel Nut	Carbon Steel
25	Name Plate	SS304
35	Bonnet Bolt	ASTM A193 Gr. B7
37	Bonnet Bolt Nut	ASTM A194 Gr. 2H
40	Gland Bolt	ASTM A193 Gr. B7
40-1	Gland Nut	ASTM A194 Gr. 2H
47	Gland Flange	ASTM A216 Gr. WCB
48	Gland Bolt Pin	ASTM A216 Gr. WCB
52	Back Seat	ASTM A276 Type 410
53	Grease Fitting	Carbon Steel

NOTES:  
 12" and larger valves have 2-piece yoke and bonnet  
 14" and larger valves include a gear operator  
 Design per API 600  
 Pressure/Temperature Rating per ANSI B16.34  
 Flange Dimensions per ANSI B16.5  
 Face to Face Dimensions per ANSI B16.10  
 Pressure Tested

Size	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
Port	2.01	2.52	2.99	4.02	5.98	7.99	10.00	12.01	13.27	15.24	17.01	19.02	22.99
L	8.50	9.49	11.10	12.01	15.87	16.50	17.99	19.76	30.00	32.99	35.98	39.02	45.00
H	16.42	18.11	20.71	25.59	32.44	38.86	46.93	56.34	61.38	69.21	76.46	84.45	114.33
ØE	7.87	7.87	9.84	9.84	13.78	15.75	17.72	19.68	22.05	25.20	25.20	28.35	29.92
Flange Dimension	F	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	ØG	6.50	7.48	8.27	10.00	12.52	15.00	17.52	20.51	22.99	25.51	27.99	30.51
	ØI	3.62	4.13	5.00	6.18	8.50	10.63	12.76	15.00	16.26	18.50	20.98	22.99
	ØJ	5.00	5.87	6.63	7.87	10.63	12.99	15.26	17.76	20.26	22.50	24.74	27.01
	T	0.91	1.02	1.14	1.26	1.46	1.65	1.89	2.01	2.13	2.28	2.40	2.52
	M	8	8	8	8	12	12	16	16	20	20	24	24
ØN	0.75	0.87	0.87	0.87	0.87	0.98	1.14	1.26	1.26	1.38	1.38	1.38	1.61
Wt. (lbs.)	68	86	101	148	293	503	747	1,027	1,541	2,227	2,657	3,792	5,754



TITLE: 300# FLANGED CAST CARBON STEEL GATE VALVE

DATE: 3-27-2012 BY: JER APP'D: MIKE UNITS: IN

FILE: 552 2-24.dwg

MODEL: 552

SCALE: NONE REV DATE:

DWG NO: 552 2-24

REV: 0

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