

Description

**API603 STAINLESS STEEL GATE VALVE
RISING STEM, NON-RISING HANDWHEEL
O.S. & YOKE, FLEXIBLE WEDGE
RF FLANGE ENDS, BOLTED BONNET
1.4308/1.4408, PN16/40**

Pressure Rating

ASTM A216 WCB	PN16/40
Size Range	DN15~DN600



Application Standards

Material	Body	DIN EN 1.4408
	Wedge	ASTM A351 CF8M
	Stem	ASTM A276 316
	Bonnet	DIN EN 1.4408
	Body Seat	1.4408+Stellite#6
Connections	RF Flange Ends	EN1092-1
Specification	Wall Thickness	ASME B16.34
	Valve Design	API603
	P-T Rating	ASME B16.34
	Casting Surface	MSS-SP-55
	F To F	EN558 Basic Series 14/F4
	Marking	MSS SP-25
Valve Test		EN12266-1 Leakage Rate D
Shell by		24 bar
Seat by water		17.7 bar
Seat by air		6 bar

Features

- ◆ API603 Corrosion-Resistant, Bolted Bonnet Gate Valves.
- ◆ Bolted Bonnet With Flexible Wedge
- ◆ Integral seats
- ◆ Material Availability : ASTM A351 Stainless Steel, Super Austenitic Stainless Steel such as Hastelloy C, Monel 400. Duplex & Super Duplex.
- ◆ Gear Box is available
- ◆ **CF8M is in our inventory**
- ◆ Butt Weld as per ANSI B16.25
- ◆ **PN16 : EN558-1**
Size: DN15~DN600
- ◆ **PN40 : EN558** **Size: DN15~DN200**
- ◆ Oxygen Cleaned Service is upon on request

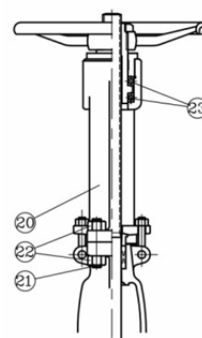
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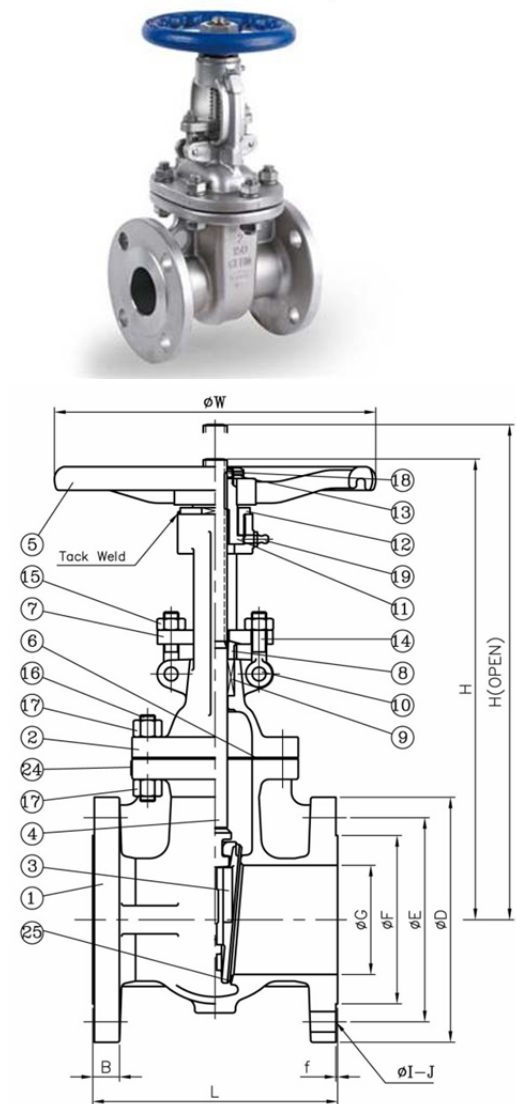
Material List

NO.	PARTS	MATERIAL
1	Body	1.4408
2	Bonnet	1.4408
3	Wedge	ASTM A351 CF8M (Flexible Wedge)
4	Stem	ASTM A276 316
5	Handwheel	ASTM A536 Ductile Iron
6	Gasket	PTFE. / Graphite
7	Gland Flange	ASTM A351 CF8
8	Gland	ASTM A351 CF8M
9	Packing	PTFE. / Graphite
10	Eye Bolt Pin	ASTM A276 304
11	Yoke Sleeve	ASTM A439 D2
12	Yoke Cap	ASTM A351 CF8
13	Handwheel Nut	ASTM A351 CF8
14	Eye Bolt	ASTM A193 B8
15	Eye Bolt Nut	ASTM A194 8
16	Bonnet Stud	ASTM A193 B8
17	Bonnet Nut	ASTM A194 8
18	Set Screw	ASTM A193 B8
19	Grease Fitting	ANSI 304
20	Yoke	ASTM A351 CF8 (14" Above)
21	Yoke Bolt	ASTM A193 B8 (14" Above)
22	Yoke Bolt Nut	ASTM A194 8 (14" Above)
23	Bearings	Steel (14" Above)
24	Nameplate	ASTM A666 304
25	Body Seat	1.4408+STL#6 (12" Above)

PN16



For DN250
Above



Dimension

Unit: mm

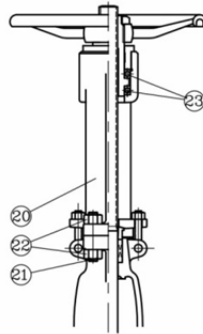
	Size	L	H	H(OPEN)	ØW	B	f	ØD	ØE	ØF	ØG	ØI	J	Weight(kg)	CV's(GPM)
1-1/2"	DN40	140.0	263.0	308.0	150.0	18.0	3.0	150.0	110.0	88.0	38.1	18.0	4.0	10.0	164.13
2"	DN50	150.0	279.0	337.0	150.0	18.0	3.0	165.0	125.0	102.0	50.8	18.0	4.0	13.0	306.77
2-1/2"	DN65	170.0	329.0	403.0	200.0	18.0	3.0	185.0	145.0	122.0	63.5	18.0	8.0	19.0	492.46
3"	DN80	180.0	366.0	453.0	200.0	20.0	3.0	200.0	160.0	138.0	79.0	18.0	8.0	24.0	709.14
4"	DN100	190.0	430.0	544.0	300.0	20.0	3.0	220.0	180.0	158.0	101.6	18.0	8.0	37.0	1297.24
5"	DN125	200.0	507.0	650.0	300.0	22.0	3.0	250.0	210.0	188.0	127.0	18.0	8.0	51.0	2089.33
6"	DN150	210.0	572.0	740.0	300.0	22.0	3.0	285.0	240.0	212.0	152.4	22.0	8.0	61.0	3107.30
8"	DN200	230.0	725.0	944.0	350.0	24.0	3.0	340.0	295.0	268.0	203.2	22.0	12.0	108.0	5717.97
10"	DN250	250.0	873.0	1145.0	350.0	26.0	3.0	405.0	355.0	320.0	254.0	26.0	12.0	140.0	8934.33
12"	DN300	270.0	1009.0	1332.0	400.0	28.0	4.0	460.0	410.0	378.0	304.8	26.0	12.0	245.0	13351.10
14"	DN350	290.0	1128.0	1482.0	450.0	30.0	4.0	520.0	470.0	438.0	336.6	26.0	16.0	305.0	16277.45
16"	DN400	310.0	1280.0	1689.0	600.0	32.0	4.0	580.0	525.0	490.0	387.4	30.0	16.0	392.0	21562.26
18"	DN450	330.0	1416.0	1876.0	600.0	40.0	4.0	640.0	585.0	550.0	438.2	30.0	20.0	665.0	28175.33
20"	DN500	350.0	1566.0	2075.0	700.0	44.0	4.0	715.0	650.0	610.0	489.0	33.0	20.0	880.0	35759.96
24"	DN600	390.0	1878.0	2500.0	765.0	54.0	5.0	840.0	770.0	725.0	590.6	36.0	20.0	995.0	52165.27

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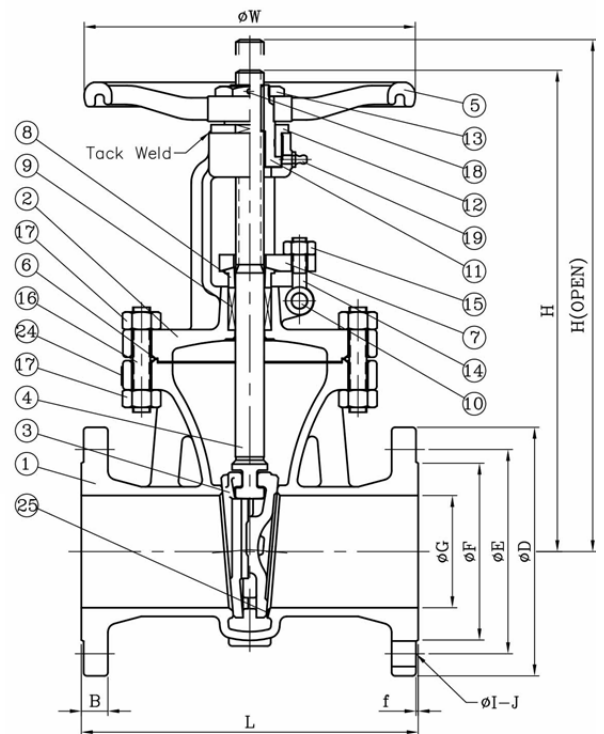
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Material List

NO.	PARTS	MATERIAL
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2	Bonnet	1.4408
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4	Stem	ASTM A276 316
5	Handwheel	ASTM A536 Ductile Iron
6	Gasket	S.S Spiral Wound+PTFE. / Graphite
7	Gland Flange	ASTM A351 CF8
8	Gland	ASTM A351 CF8M
9	Packing	PTFE. / Graphite
10	Eye Bolt Pin	ASTM A276 304
11	Yoke Sleeve	ASTM A439 D2
12	Yoke Cap	ASTM A351 CF8
13	Handwheel Nut	ASTM A351 CF8
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19	Grease Fitting	ANSI 304
20	Yoke	ASTM A351 CF8 (10" Above)
21	Yoke Bolt	ASTM A193 B8 (10" Above)
22	Yoke Bolt Nut	ASTM A194 8 (10" Above)
23	Bearings	Steel (10" Above)
24	Nameplate	ASTM A666 304
25	Body Seat	1.4408+STL#6 (10" Above)

PN40

For DN250 and
Above



Dimension

Unit: mm

Size	L	H	H(OPEN)	ØW	B	f	ØD	ØE	ØF	ØG	ØI	J	Weight(kg)	CV's(GPM)
1-1/2" DN40	240.0	281.0	324.0	200.0	18.0	3.0	150.0	110.0	88.0	38.1	18.0	4.0	15.0	164.13
2" DN50	250.0	301.0	360.0	200.0	20.0	3.0	165.0	125.0	102.0	50.8	18.0	4.0	18.0	306.77
2-1/2" DN65	290.0	334.0	407.0	200.0	22.0	3.0	185.0	145.0	122.0	63.5	18.0	8.0	29.0	492.46
3" DN80	310.0	368.0	455.0	300.0	24.0	3.0	200.0	160.0	138.0	79.0	18.0	8.0	39.0	709.14
4" DN100	350.0	436.0	548.0	300.0	24.0	3.0	235.0	190.0	162.0	101.6	22.0	8.0	56.0	1297.24
5" DN125	400.0	535.0	675.0	350.0	26.0	3.0	270.0	220.0	188.0	127.0	26.0	8.0	98.0	2089.33
6" DN150	450.0	610.0	777.0	350.0	28.0	3.0	300.0	250.0	218.0	152.4	26.0	8.0	122.0	3107.30
8" DN200	550.0	751.0	967.0	400.0	34.0	3.0	375.0	320.0	285.0	203.2	30.0	12.0	190.0	5717.97
10" DN250	650.0	907.0	1179.0	450.0	38.0	3.0	450.0	385.0	345.0	254.0	33.0	12.0	305.0	8934.33
12" DN300	750.0	1055.0	1379.0	450.0	42.0	4.0	515.0	450.0	410.0	304.8	33.0	16.0	429.0	13351.10