

SPECIFICATIONS

FIGURE 4515 - 4530

API 603 CORROSION-RESISTANT GATE VALVES



STAINLESS STEEL, BOLTED BONNET, ASME CLASSES 150 & 300

FEATURES

- Flexible wedge disc
- Lapped seat faces
- Outside screw and yoke (OS&Y) w/ rising stem
- Graphite body gasket and packing
- API trim 10

Product Specifications	
Wall Thickness	API 603
Pressure-Temperature Rating	ANSI B16.34
Pressure Testing	API 598
Face to Face	ANSI B16.10
End Flanges	ANSI B16.5
Material	ASTM



FIGURE NUMBER MATRIX

FNW				
BODY MATERIAL	VALVE TYPE	CLASS	SIZE	
4 = CF8M	5 = Gate	15 = 150# 30 = 300#	D = 1/2	X = 8
			F = 3/4	10 = 10
			G = 1	12 = 12
			J = 1-1/2	14 = 14
			K = 2	16 = 16
			L = 2-1/2	18 = 18
			M = 3	20 = 20
			P = 4	24 = 24
			U = 6	

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FIGURE 4515 - 4530

API 603 CORROSION-RESISTANT GATE VALVES



STAINLESS STEEL, BOLTED BONNET, ASME CLASSES 150 & 300

PART MATERIALS

No.	Part	Material
1	Body	ASTM A 351 GR. CF8M
2	Bonnet / Yoke	ASTM A 351 GR. CF8M
3	Seat Ring	ASTM A 351 GR. CF8M
4	Wedge	ASTM A 351 GR. CF8M
5	Back Seat Bushing	ASTM A 276 Type 316
6	Stem	ASTM A 276 Type 316
7	Gland Packing	Corrosion Inhibited Flexible Graphite with Braided Anti Extrusion Rings
8	Gland Bushing	ASTM A 276 Type 316
9	Gland Flange	ASTM A 351 GR. CF8M
10	Bonnet Gasket	Spiral Wound SS316 + Flexible Graphite
11	Bonnet Stud & Nut	ASTM A 193 GR.B8M ASTMA 194 GR.8M
12	Eye Bolt & Nut	ASTM A 193 GR.B8M ASTMA 194 GR.8M
13	Cross Pin	Stainless Steel
14	Stem Nut	EN 1A
15	Bonnet Bushing	Stainless Steel
16	Hand Wheel	MI/SG Iron
17	Lock Nut	Stainless Steel
18	Grease Nipple	Stainless Steel
19	Name Plate	Stainless Steel
20	Grub Screw	Stainless Steel
21	Key	EN 1A

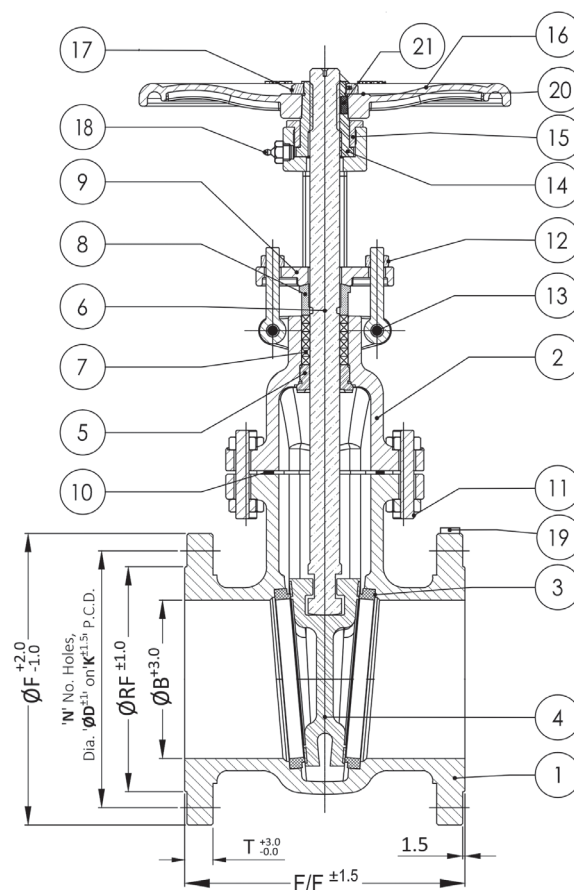
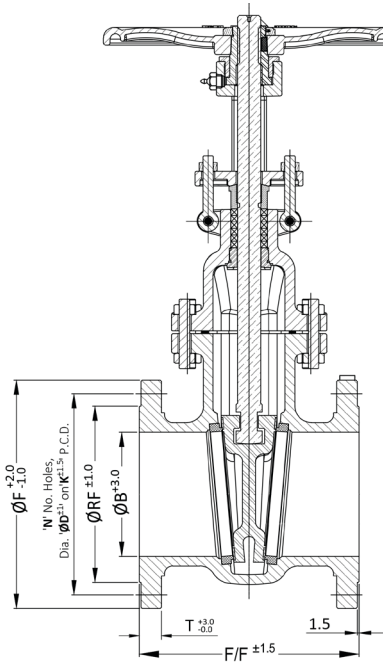


FIGURE 4515
API 603 CORROSION-RESISTANT GATE VALVES



STAINLESS STEEL, BOLTED BONNET, ASME CLASS 150



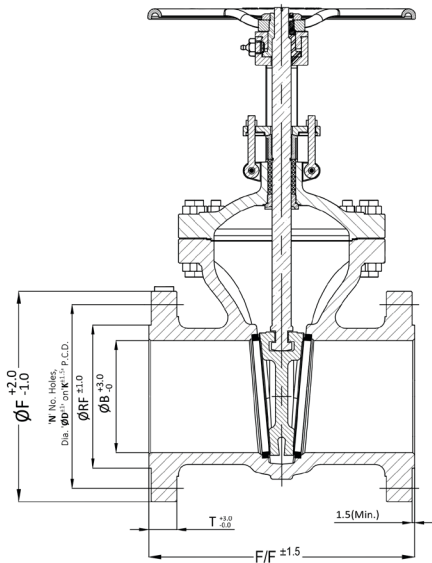
DIMENSIONS (IN.)

Size	F/F	ØB	ØF	T	ØRF	N	ØD	K
1/2	4.25	0.50	3.50	0.37	1.38	4	0.63	2.38
3/4	4.61	0.75	3.90	0.40	1.69	4	0.63	2.75
1	5.00	1.00	4.25	0.44	2.00	4	0.63	3.12
1-1/2	6.50	1.50	5.00	0.56	2.87	4	0.63	3.88
2	7.00	2.00	5.98	0.62	3.62	4	0.75	4.75
2-1/2	7.50	2.50	7.01	0.68	4.12	4	0.75	5.50
3	8.00	3.00	7.48	0.75	5.00	4	0.75	6.00
4	9.00	4.00	9.02	0.94	6.19	8	0.75	7.50
6	10.50	6.00	10.98	0.99	8.50	8	0.88	9.50
8	11.50	8.00	13.50	1.12	10.62	8	0.88	11.75
10	13.00	10.00	15.98	1.18	12.75	12	1.00	14.25
12	14.00	12.00	19.02	1.25	15.00	12	1.00	17.00
14	15.00	13.25	20.98	1.37	16.25	12	1.13	18.75
16	16.00	15.25	23.50	1.44	18.50	16	1.13	21.25
18	17.00	17.25	25.00	1.56	21.00	16	1.25	22.75
20	18.00	19.25	27.28	1.68	23.00	20	1.25	25.00
24	20.00	23.25	32.01	1.87	27.25	20	1.38	29.50

FIGURE 4530
API 603 CORROSION-RESISTANT GATE VALVES



STAINLESS STEEL, BOLTED BONNET, ASME CLASS 300



DIMENSIONS (IN.)

Size	F/F	ØB	ØF	T	ØRF	N	ØD	K
1/2	5.51	0.50	3.74	0.56	1.38	4	0.63	2.62
3/4	5.98	0.75	4.61	0.62	1.69	4	0.75	3.25
1	6.50	1.00	4.88	0.68	2.00	4	0.75	3.50
1-1/2	7.50	1.50	6.10	0.81	2.87	4	0.88	4.50
2	8.50	2.00	6.50	0.87	3.62	8	0.75	5.00
2-1/2	9.50	2.50	7.48	1.00	4.12	8	0.88	5.88
3	11.10	3.00	8.27	1.12	5.00	8	0.88	6.62
4	12.00	4.00	10.00	1.25	6.19	8	0.88	7.88
6	15.87	6.00	12.52	1.44	8.50	12	0.88	10.62
8	16.50	8.00	15.00	1.62	10.62	12	1.00	13.00
10	18.00	10.00	17.48	1.87	12.75	16	1.13	15.25
12	19.75	12.00	20.51	2.00	15.00	16	1.25	17.75
14	30.00	13.25	22.99	2.12	16.25	20	1.25	20.25
16	33.00	15.25	25.51	2.25	18.50	20	1.38	22.50
18	36.00	17.00	27.99	2.37	21.00	24	1.38	24.75
20	39.00	19.00	30.51	2.50	23.00	24	1.38	27.00
24	45.00	23.00	35.98	2.75	27.25	24	1.63	32.00