



GLOBAL VALVE  
& CONTROLS



SERIES G

## SERIES G - GATE VALVE

ANSI 150-300-600-1500-2500

WCB • CF8M • Varios Other Materials



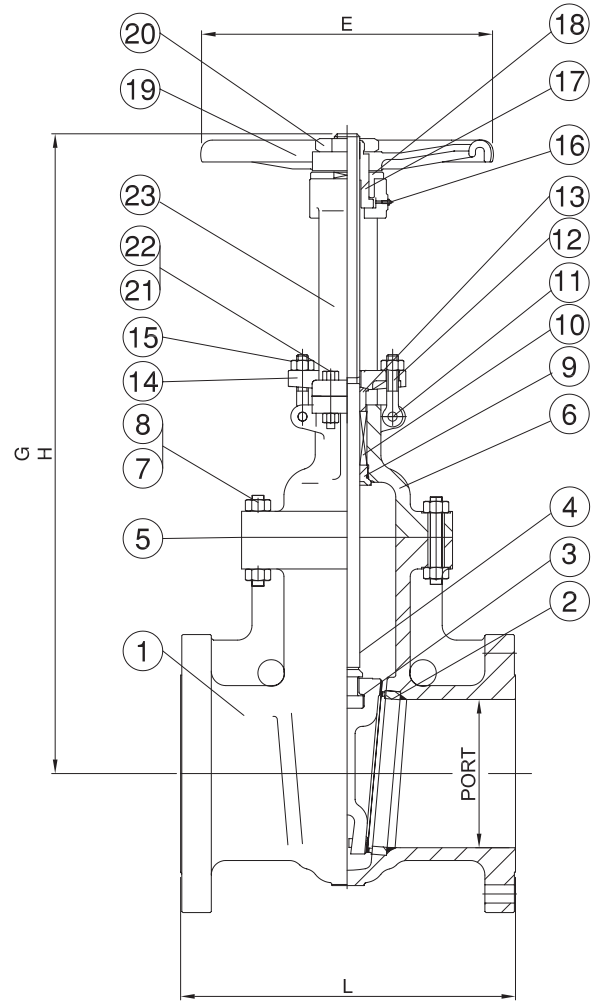
Providing Hundreds of Products. Supporting Thousands of Clients. Controlling Millions of Gallons.

Depend On Us, We Can Handle The Pressure.



# MATERIALS OF CONSTRUCTION

## SERIES G



Material List						
NO.	Part Name	ASTM Specifications (Specs. - Grades/Type)				
		A216	A352	A217		A351
		WCB	LCC	WC6	C5	CF8M
1	Body	A216-	A352-LCC	A217-WC6	A217-C5	A351-
2	Seat Ring	A105, LF2, 316 OR 304				
	Seat Ring	13CR, HF(STELLITE), 316, 304, Monel				
3	Gate	A216-	A352-LCC	A217-WC6	A217-C5	A351-
	Gate Sealing	13CR, HF(STELLITE), 316, 304, Monel				
4	Stem	13CR, 316, OR 304. 17-4PH, Monel				
5	Gasket	Soft Iron Spiral Wound				
6	Bonnet	A216-	A352-LCC	A217-WC6	A217-C5	A351-
7	Bonnet Bolt Nut	A194-2HM	A194-4	A194-2HM	A194-4	A194-8
8	Bonnet Bolt	A193-B7M	A320-L7	A193-B7M	A193-B16	A193-B8
9	Bonnet Bushing	13CR, 316 OR 304				
10	Packing	Braided Graphite & Die Formed Graphite Ring. PTFE				
11	Eye Bolt Pins	Carbon Steel				A276 TYP
12	Gland Eye Bolts	A103-B7M	A320-L7	A193-B7M		A193-B8
13	Gland	13CR, 316 OR 304				
14	Gland Flange	A216-	A352-LCC	A217-WC6	A217-C5	A351-
15	Eye Bolt Nut	A194-2HM	A194-7M	A194-2HM		A194-8
16	Grease Nipple	Carbon Steel				A276 TYP
17	Yoke Sleeve	ASTM A439 GR D2C				
18	Retaining Nut	Carbon Steel				A276 TYP
19	Handwheel	Malleable Iron				
20	Handwheel Nut	Carbon Steel				A276 TYP
21	Yoke Pad Bolt	ASTM A193 GR, 2H				A276 TYP
22	Yoke Pad Bolts	ASTM A194 GR, B7				A276 TYP
23	Yoke	A216-	A352-LCC	A217-WC6	A217-C5	A351-

## Manufacturing & Testing Standards

Face to Face	ASME B16.10
Steel Valves	ASME B16.34
End Flanges	ASME B16.5
Inspection and Tests	API 598
Butt Welding Ends	ASME B16.25
Base Design	API 600

\*Series G Valves ANSI 2500 are also available. For additional information please contact the factory.

### CLASS 150

Size	L	E	G (Closed)	H (Open)
2"	7.0	9.85	15.23	17.79
2 1/2"	7.5	8.0	16.3	19.3
3"	8.0	11.81	18.42	21.97
4"	9.0	11.81	22.44	27.12
6"	10.5	15.75	26.77	33.37
8"	11.5	19.7	33.26	42.06
10"	13.0	23.62	38.6	49.8
12"	14.0	23.62	44.1	56.77
14"	15.0	31.5	52.36	66.8
16"	16.0	31.5	56.9	73.35
18"	17.0	43.3	64.17	82.07

units in mm

### CLASS 300

Size	L	E	G (Closed)	H (Open)
2"	8.5	9.85	15.23	17.73
2 1/2"	9.5	8.0	16.9	20.1
3"	11.125	11.81	18.3	21.8
4"	12.0	15.75	22.44	27.04
6"	15.875	19.7	29.52	36.09
8"	16.5	23.62	34.25	43.03
10"	18.0	23.62	39.37	49.37
12"	19.75	31.5	46.88	59.38
14"	30.0	31.5	53.9	67.68
16"	33.0	43.3	62	78.53
18"	36.0	43.3	69.7	87.5

units in mm

### CLASS 600

Size	L	E	G (Closed)	H (Open)
2"	11.5	11.81	16.3	20.74
2 1/2"	13.0	10.0	17.6	20.8
3"	14.0	15.75	23.2	26.98
4"	17.0	15.75	27.0	32.0
6"	22.0	23.62	32.1	38.8
8"	26.0	31.5	41.4	50.08
10"	31.0	43.3	42.8	53.43
12"	33.0	43.3	49.1	81.1
14"	35.0	78.7	62.8	76.6
16"	39.0	78.7	67.7	84.2
18"	43.0	78.7	77.75	96.65

units in mm

### CLASS 900

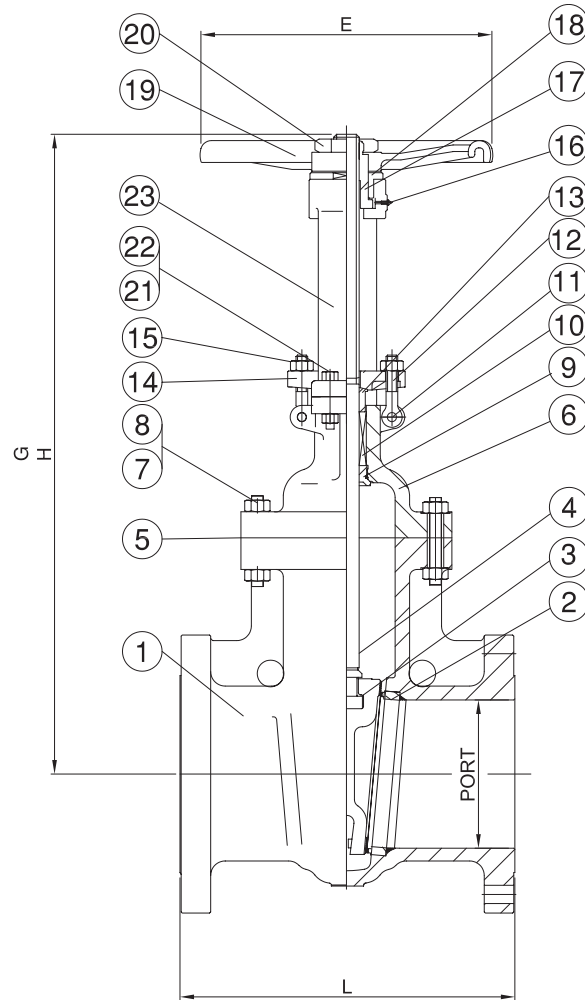
Size	L	E	G (Closed)	H (Open)
3"	15.0	15.75	24.2	22.94
4"	18.0	19.7	29.9	34.62
6"	24.0	31.5	37.8	44.09
8"	29.0	43.3	47.0	55.66
10"	33.0	43.3	52.56	62.79
12"	38.0	78.7	54.7	66.9
14"	40.5	78.7	60.8	73.8
16"	44.5	78.7	72.44	87.99

units in mm

### CLASS 1500

Size	L	E	G (Closed)	H (Open)
2"	14.5	15.75	21.85	24.8
2 1/2"	16.5	14.0	20.9	24.2
3"	18.5	19.7	21.58	29.59
4"	21.5	23.62	30.15	35.05
6"	27.75	31.5	39.5	45.4
8"	32.75	43.3	46.0	54.46
10"	39.0	78.7	55.1	64.74
12"	44.5	78.7	57.6	68.82
14"	49.5	36.0	66.0	79.0
16"	54.5	36.0	63.8	77.55

units in mm



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# FEATURES & OPTIONS

- Cast steel OS & Y bolted bonnet design gate valve
- ANSI Class 150-2500
- Flanged ends to Raised Face, RTJ and butt weld ends.
- WCB, CF8M, and various other alloys available
- Horizontal or vertical design
- Ideally the wedge design gate valve is suitable for steam and other high temperature service.
- Flexible wedge, Fully Guided
- Integral seats
- Rising Stem and Non-Rising Stem
- Bolted design / with spherical form with large radius, which permits the stress to be kept minimum
- Welded seat design to prevent any turbulence and damage by corrosion.
- Bonnet is equipped with back seat ring up to 12" for Class 150, 300, and 600.

# ORDERING INFORMATION

Size	Series	Class	Body	Seat / Disc (API 600 Trim)	End connections	Special
2"	G	15-150	1 - Carbon Steel	5 - Hardfaced & Stellite	1 - RF - Raised Face 2 - RTJ - Ring Type Joint 3 - BW - Butt Weld Ends	X - Special
3"		30-300	2 - Alloy 20	8 - 410 & Hardfaced		
6"		60-600	3 - Stainless Steel	10 - 316 SS		
8"		90-900	LC - A352	12 - 316 & Hardfaced		
10"		51-1500	X - Special	X - Special		
12"		25-2500				
14"						
16"						

- 2" G60-1-3-1

**PLEASE NOTE:** *There may be some performance variations between the GVC Series G and other manufacturer's comparable body designs. To ensure the longevity of performance, please provide specific information relevant to the requirements needed for each application process.*



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