

GATE VALVE FLANGED END CLASS 150/300#

Features:

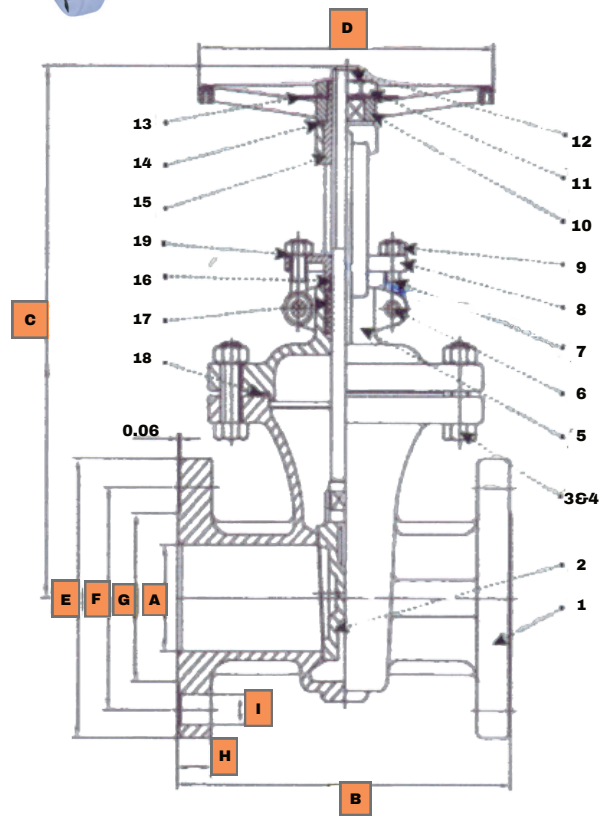
- Bolted Bonnet
- Stem / Wedge meets API 600 standard
- Working temp.: -20°C~200°C (-4°F~392°F)
- Flanged Ends
- Rising & Non-Rising stem (Hand Wheel)

Applicable Standard:

- End Flanges ANSI B16.5
- ASME B16.34 shell & seat test
- Face to Face ANSI B16.10
- Inspection & Test API 598



No.	PART NAME	MATERIAL	
		ASTM A351	ASTM A216 WCB
1	Body	CF8 / CF8M	Carbon Steel
2	Disc	CF8 / CF8M	Carbon Steel
3	Bonnet Bolt	SS304	SS410
4	Bonnet Nut	SS304	SS410
5	Bonnet	SS304 / SS316	Carbon Steel
6	Hinge	SS304	A194
7	Eye Bolt	SS304	A194
8	Gland	SS304 / SS316	SS410
9	Eye Nut	SS304	A194
10	Hand Wheel	Cast Iron	Cast Iron
11	Nut	SS410 / Brass	Carbon Steel
12	Stem	SS304 / SS316	SS304
13	Plate	SS304	SS304
14	Spring	Brass	SS410
15	Yoke Sleeve	Brass	Carbon Steel
16	Gland Packing	PTFE / Graphite	Graphite
17	Packing	PTFE / Graphite	Graphite
18	Gasket	SS304 + Graphite	SS304 + Graphite
19	Washer	SS304	SS410



SIZE	A		B		C		D		E		F		G		H		I		# OF BOLTS	
	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#
1/2"	10.59	0.59	4.25	5.51	7.32	9.29	3.5	4.72	2.38	3.74	1.38	2.62	0.43	1.38	0.44	0.56	0.625	0.625	4	4
3/4"	0.79	0.79	4.61	5.98	7.32	9.29	3.88	4.72	2.75	4.62	1.69	3.25	0.43	1.69	0.44	0.62	0.625	0.75	4	4
1"	0.98	0.98	5	6.5	8.35	9.29	4.25	4.72	3.21	4.88	2	3.5	0.43	2	0.44	0.69	0.625	0.75	4	4
1 1/2"	1.57	1.57	6.5	7.48	9.69	13.98	5	9.84	3.88	6.12	2.88	4.51	0.56	2.88	0.56	0.81	0.625	0.875	4	4
2"	1.97	1.97	7.99	8.9	9.92	15.12	6	9.84	4.75	6.5	3.62	5	0.62	3.62	0.62	0.88	0.75	0.875	4	8
2 1/2"	2.56	2.56	8.5	9.49	12.2	17.87	7	9.84	5.5	7.5	4.12	5.88	0.69	4.12	0.69	1	0.75	0.875	4	8
3"	3.15	3.15	9.49	11.14	12.87	19.69	7.5	9.84	6	8.25	5	6.62	0.75	5	0.75	1.12	0.75	0.875	4	8
4"	3.94	3.94	11.5	12	15.12	23.98	9	11.81	7.5	10	6.19	7.88	0.94	6.18	0.94	1.25	0.75	0.875	8	8
5"	4.91	4.91	14	14.62	19.02	28.22	10	13.78	8.48	11.15	7.5	8.11	1	7.21	0.94	1.33	0.875	0.875	8	8
6"	5.91	5.91	15.98	15.87	21.5	31.18	11	13.78	9.5	12.5	8.5	8.5	1	8.5	1	1.44	0.875	1	8	12
8"	7.87	7.87	16.49	16.49	26.34	39.29	13.5	15.75	11.75	15	10.62	10.62	1.12	10.62	1.12	1.62	0.875	1	8	12
10"	9.84	9.84	24.49	17.99	32.44	49.49	16	19.68	14.25	17.5	12.75	12.75	1.19	12.75	1.19	1.88	1	1	12	16
12"	12	12	27.5	19.76	31.3	59.33	19	19.68	17	20.5	15	15	1.25	15	1.25	2	1	1	12	16

(measurement in inches)

ASTM A216 WCB TECHNICAL INFORMATION

WORKING TEMP °C	°C	20 - 100	200	300	400	500	600	700	800	900
WORKING PRESSURE (psi)	ANSI150#	300	260	230	200	170	140	110	80	50
	ANSI300#	740	680	650	630	600	550	515	410	230

ASTM A351 TECHNICAL INFORMATION

WORKING TEMP °C	°C	20 - 100	200	300	400	500	600	700	800	900
WORKING PRESSURE (psi)	ANSI150#	300	235	215	195	170	140	110	80	50
	ANSI300#	700	600	550	510	480	420	420	390	360