

SMITH VALVES

GATE VALVE – FLANGED END CLASS 150/300#

(STAINLESS STEEL CF8M & CAST CARBON STEEL WCB)



PI NOLEAK PES
ENTERPRISES CORPORATION

NO LEAK BETWEEN THE PIPES



FEATURES

- Bolted Bonnet
- Stem / Wedge meets API 600 Standard
- Rising & Non-Rising Handwheel
- Working Temperature: -20°C to 200°C (-4°F to 392°F)
- Flanged Ends ANSI B16.5
- Pressure Class Class 150 / 300
- Inspection & Test API 598

APPLICABLE STANDARDS

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

DIMENSIONS (mm)

SIZE	A		B		C		D		E		F		G		NO. OF BOLTS	
	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#	150#	300#
1/2"	108	140	0.39	0.39	4.25	5.51	3.92	4.72	3.74	2.62	0.44	0.65	0.65	0.65	4	4
3/4"	117	152	0.51	0.51	4.55	5.98	3.73	4.72	4.51	3.51	0.44	0.65	0.65	0.65	4	4
1"	127	165	0.55	0.55	5.10	6.50	3.35	4.72	4.68	2.04	3.03	0.65	0.75	0.75	4	4
1-1/4"	140	178	0.99	0.59	5.33	5.93	3.29	4.68	4.72	4.68	0.45	0.55	0.55	0.55	4	4
1-1/2"	165	190	0.63	0.63	5.39	5.89	3.39	3.51	3.33	1.33	0.64	0.88	0.83	0.86	4	5
2"	178	216	6.85	9.39	12.27	23.89	3.88	3.88	3.96	3.52	1.38	0.89	0.73	0.85	4	8
2-1/2"	178	216	6.65	9.39	13.30	23.89	3.85	3.86	3.96	3.67	3.68	0.33	0.73	0.85	4	8
3"	190	229	1.50	3.59	13.98	23.89	3.06	3.58	7.58	9.06	5.64	1.33	0.73	0.68	8	8
4"	203	241	2.58	3.93	13.98	23.89	3.59	3.60	6.35	13.51	1.92	3.09	1.03	0.95	8	12
5"	229	283	15.66	28.83	3.37	3.90	19.98	3.95	13.60	13.61	1.07	1.20	2.93	1.03	12	12
6"	254	305	19.86	57.26	3.33	3.68	9.68	8.98	13.50	12.00	1.03	1.30	3.03	1.02	12	12
8"	279	356	22.96	19.76	3.33	3.68	19.68	8.93	12.50	12.00	1.03	1.38	1.00	1.02	12	18
8"	406	356	22.96	19.76	3.33	3.68	19.68	8.93	12.50	12.00	1.03	1.35	1.00	1.02	12	18
10"	406	533	27.50	19.76	31.30	59.33	19.00	19.68	17.00	13.00	1.25	1.00	1.00	1.00	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	220	200	170	140	110	80	50
	ANSI300#	740	680	650	630	600	550	515	410	230

ASTM A351 CF8M TECHNICAL INFORMATION

WORKING TEMP °C	°C	-20~100	200	300	400	500	600	700	800	900
WORKING PRESSURE (psi)	ANSI150#	300	260	215	195	170	140	110	80	50
	ANSI300#	700	600	550	510	480	420	420	390	360

NOTES:

- 1000 PSI (69 BAR) W.O.G.
- Pressure - Temperature rating varies by material. Refer to the graph.

APPLICATIONS



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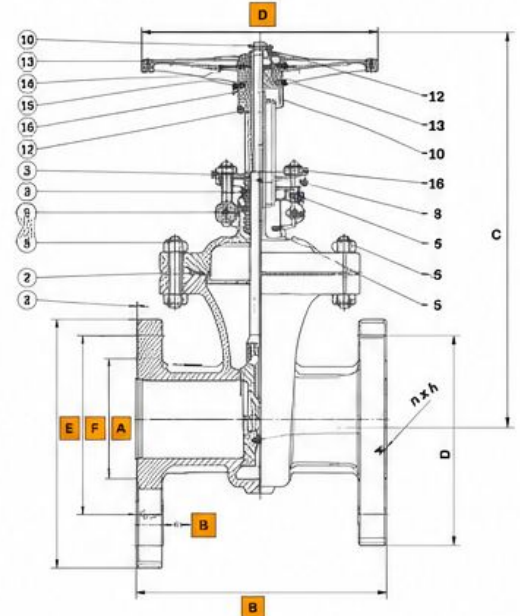
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