

SERIES TYPE PAGE G = GATE L = GLOBE C = CHECK VALVE														SERIES INDEX	
S74	C 99	S698	C 102	R2522	L 56	12141B	L 63	13710	C 84	B15761	C 90	32353	G 12	35801	G 21
351	G 12	701	C 84	2591	L 55	12141ER	L 62	B13710	C 84	S15761	C 101	32363	G 13	35821	L 50
352	G 12	A701	C 91	R2591	L 56	CT12141	L 57	13718	C 84	15780	C 90	32373	G 14	36111	G 17
353	G 12	AB701	C 91	2610	C 96	ST12141	L 57	B13718	C 84	B15780	C 90	32443	L 66	36373	L 15
358	G 12	B701	C 84	R2610	C 97	TT12141	L 57	13750	C 84	15801	G 21	32461	L 64	36483	L 71
361	G 13	S701	C 100	2611	C 96	12161	G 18	B13750	C 84	BT15801	G 24	32473	L 40	36493	L 71
362	G 13	710	C 84	R2611	C 97	12181	L 46	13751	C 84	CT15801	G 24	32483	L 41	36701	C 90
363	G 13	A710	C 91	2622	C 96	12301	48	B13751	C 84	ST15801	G 24	32493	L 42	B36701	C 90
368	G 13	AB710	C 91	R2622	C 97	12188	L 46	13780	C 84	15821	L 50	32570	C 86	36710	C 90
371	G 14	B710	C 84	2691	C 96	12321	G 10	B13780	C 84	15831	G 21	B32570	C 86	B36710	C 90
372	G 14	718	C 84	R2691	G 97	12351	L 38	13921	G 10	15841	L 50	32573	C 86	36801	G 21
373	G 14	B718	C 84	2801	G 20	12401	G 10	15111	G 17	15851	G 21	B32573	C 86	41000	G 134
378	G 14	S718	C 100	2801B	G 30	12401C	G 31	BT15111	G 24	15861	G 21	32580	C 86	42211	G 28
473	L 40	730	C 106	BT2801	G 22	12421	G 10	CT15111	G 24	BT15901	G 24	B32580	C 86	42241	L 70
473B	L 63	750	C 84	CT2801	G 22	12443	L 66	ST15111	G 24	CT15901	G 24	32583	C 86	43111	G 29
473VP	L 66	B750	C 84	ST2801	G 22	12501	L 38	15141	L 45	ST15901	G 24	B32583	C 86	43211	G 28
478	L 40	751	C 84	TT2801	G 22	12501C	L 73	15321	G 17	15921	G 17	32590	C 88	43241	L 69
478VP	L 66	B751	C 84	2811	G 19	12521	G 10	15343	L 68	16111	G 17	B32590	C 88	B43721	C 92
483	L 41	S751	C 100	2821	L 49	12543	L 66	15351	L 45	16321	G 17	32593	C 88	52461	L 65
483B	L 63	S761	C 100	2831	G 20	12551	L 38	15373	G 15	16373	G 15	B32593	C 88	54853	C 94
483VP	L 66	780	C 84	2831B	G 30	12601	G 32	15378	G 15	16378	G 15	S32673	C 102	54863	C 94
488	L 41	B780	L 84	2841	L 49	12602	G 32	15401	G 17	16401	G 17	S32683	C 102	58431	L 77
488VP	L 66	801	L 47	2851	G 20	12603	G 32	15401C	G 31	16421	G 17	S32693	C 102	59851	G 27
493	L 42	810	L 51	2861	G 20	12604	G 32	15421	G 17	16521	G 17	32701	C 84	59951	G 27
493B	L 63	811	L 51	2891	L 76	12605	G 32	15443	L 68	16701	C 90	B32701	C 84	65703	G 21
493VP	L 66	822	L 51	BT2901	G 22	12921	G 10	15493	L 43	B16701	C 90	S32701	C 100	65713	G 21
498	L 42	851	L 46	CT2901	G 22	13111	G 10	15498	L 43	16710	C 90	32710	C 84	65733	L 50
498VP	L 66	891	L 51	ST2901	G 22	13111ER	G 28	15501	L 45	B16710	C 90	B32710	C 84	65723	L 50
570	C 86	1003	L 60	TT2901	G 22	13141	L 38	15521	G 17	16718	C 90	32801	G 20	65773	G 21
B570	C 86	1023	L 60	3801	G 20	13141B	L 63	15543	L 68	B16718	C 90	32801B	G 30	66703	G 26
573	C 86	1033	G 36	3801B	G 30	13141ER	L 62	15551	L 45	16750	C 90	32821	L 50	66713	G 26
B573	C 86	1043	G 36	3831	G 20	13321	G 10	15590	C 89	B16750	C 90	33111	G 10	66723	L 54
578	C 86	1331	L 75	3831B	G 30	13351	L 38	B15590	C 89	16751	C 90	33141	L 38	66733	L 54
B578	C 86	1510	L 52	3991	L 80	13361	G 13	15593	C 89	B16751	C 90	33363	G 13	66743	G 26
579	C 86	R1510	L 53	4835	C 98	13362	G 13	B15593	C 89	16760	C 90	33373	G 14	66773	G 26
B579	C 86	1511	L 52	4881	C 105	13363	G 13	15598	C 89	B16760	C 90	33701	C 84	66783	L 54
580	C 87	R1511	L 53	9091	C 93	13368	G 13	B15598	C 89	16761	C 90	B33701	C 84	66791	G 26
B580	C 87	1522	L 52	B9091	C 93	13371	G 14	15599	C 89	B16761	C 90	33710	C 84	66793	L 54
583	C 87	R1522	L 53	9821	L 79	13372	G 14	B15599	C 89	16780	C 90	B33710	C 84	82401	G 10
B583	C 87	1551	C 104	9841	L 78	13373	G 14	S15693	C 103	B16780	C 90	33801	G 20	82501	L 38
588	C 87	B1551	C 104	9871	L 78	13378	G 14	S15698	C 103	16801	G 21	33801B	G 30	82718	C 84
B588	C 87	1591	L 52	10103	L 59	13401	G 10	15701	C 90	16831	G 21	34835	C 98	82831	G 20
589	C 87	R1591	L 53	10403	L 58	13401C	G 31	B15701	C 90	16851	G 21	35111	G 24	83401	G 10
B589	C 87	1610	C 95	10603	L 61	13421	G 10	S15701	C 101	16861	G 21	35141	L 45	83501	L 38
590	C 88	1611	C 95	10683	L 61	13474B	L 63	15710	C 90	16921	G 17	35373	G 15	85401	G 17
B590	C 88	1622	C 95	11103	G 33	13483B	L 63	B15710	C 90	21000	G 134	35443	L 68	85831	G 21
593	C 88	1691	C 95	11403	G 34	13493B	L 63	15718	C 90	22141	L 72	35493	L 43	86401	G 17
B593	C 88	1871	L 75	11603	G 35	13501	L 38	B15718	C 90	22142	L 72	35590	C 89	86831	G 21
598	C 88	1971	L 44	12041	L 48	13521	G 10	S15718	C 101	22461	L 64	B35590	C 89	88300	L 74
B598	C 88	1971VP	L 68	11683	G 35	13551	L 38	15750	C 90	22483	L 71	35593	C 89		
599	C 88	2191	C 104	12111	G 10	13601	G 32	B15750	C 90	22493	L 71	B35593	C 89		
B599	C 88	2271	106	12111ER	G 28	13602	G 32	15751	C 90	22501	L 72	S35693	C 103		
S673	C 102	2510	L 55	BT12111	G 22	13603	G 32	B15751	C 90	22561	L 64	35701	C 90		
S678	C 102	R2510	L 56	CT12111	G 22	13604	G 32	S15751	C 101	23141	L 69	B35701	C 90		
S683	C 102	2511	L 55	ST12111	G 22	13605	G 32	15760	C 90	S32074	C 99	S35701	C 101		
S688	C 102	R2511	L 56	TT12111	G 22	13701	C 84	B15760	C 90	32111	G 10	35710	C 90		
S693	C 102	2522	L 55	12141	L 38	B13701	C 84	15761	C 90	32141	L 38	B35710	C 90		

12111 Gate Valve

Class 800 Gate Valve

Conventional Port
Full Port



See pages 12 - 14



The Core of the Pressure Class 150, 300, 600 & 800 Gate Valve

CONNECTION	CONV PORT	FULL PORT	BODY/BONNET	TRIM	RATING	
Threaded Socket Weld (SW) Threaded/Socket Weld (TSW) Butt Weld (BW)*	12111	13111	A105	13 Cr	1975 PSI @ 100 F	136.2 BAR @ 38 C
	32111	33111	A350 LF2	13 Cr	1975 PSI @ -50 F	136.2 BAR @ -46 C
	12401	13401	F316/F316L	316	1920 PSI @ 100 F	132.4 BAR @ 38 C
	82401	83401	F316H	316H		
	12321	13321	F11,Cl.2(1-1/4 Cr.)	13 Cr	2000 PSI @ 100 F	137.9 BAR @ 38 C
	12521	13521	F22,Cl.3(2-1/4 Cr.)			
	12421	13421	F5(5 Cr.)			
	12921	13921	F9(9 Cr.)			

(UOP) Universal Oil Products Approved - For HF Alkylation Service

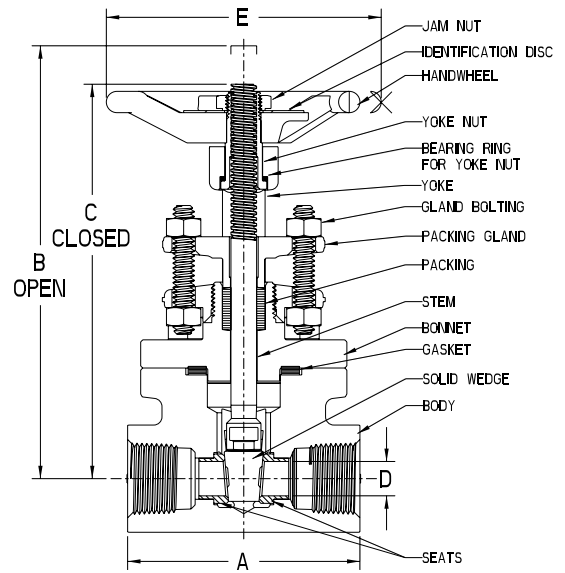
CONNECTION	CONV PORT	FULL PORT	BODY/BONNET	TRIM	RATING	
Threaded Socket Weld (SW)	12111HF6		A105	13 Cr	1975 PSI @ 100 F	136.2 BAR @ 38 C
		13111HF4	A105	Monel	1975 PSI @ 100 F	136.2 BAR @ 38 C
	12111HF7		A105	13 Cr	1975 PSI @ 100 F	136.2 BAR @ 38 C
		13111HF5	A105	Monel	1975 PSI @ 100 F	136.2 BAR @ 38 C

*See page 16 for Butt Weld Series Gate Valves

12111 Gate Valve

Class 800 Gate Valve

Round Bolted Bonnet
Spiral Wound Gasket
Outside Screw & Yoke
Bolted Gland
Solid Wedge
Hard Faced Seats
API 602
ASME B16.34



Dimensions

SIZE			A	B	C	D	E	WEIGHT	Cv	Conventional Port
-04	NPS	½	3.38	6.30	5.74	.50	4.00	5.0	9.6	
	DN	15	86	160	146	12.7	102	2.3		
-05	NPS	¾	3.38	6.30	5.74	.50	4.00	4.8	9.7	
	DN	20	86	160	146	12.7	102	2.2		
-06	NPS	1	4.00	8.37	7.43	.75	4.75	8.4	20.3	
	DN	25	102	213	189	19.1	121	3.8		
-07	NPS	1¼	4.75	10.12	8.71	1.25	5.75	16.7	80.5	
	DN	32	121	257	221	31.8	146	7.6		
-08	NPS	1 ½	4.75	10.12	8.71	1.25	5.75	16.2	91.6	
	DN	40	121	257	221	31.8	146	7.3		
-09	NPS	2	5.25	11.12	9.40	1.50	7.00	21.8	117.6	
	DN	50	133	282	239	38.1	178	9.9		
-10	NPS	2½	7.00	14.09	11.76	2.00	8.00	39.8	174	
	DN	65	178	358	299	50.8	203	18.1		
-11	NPS	3	8.00	17.96	15.01	2.75	9.75	75.0	203.9	
	DN	80	203	456	381	69.9	248	34.0		

-04	NPS	½	3.38	6.30	5.75	.50	4.00	5.0	9.6	Full port
	DN	15	86	160	146	12.7	102	2.3		
-05	NPS	¾	4.0	8.37	7.43	.75	4.75	8.6	28.7	
	DN	20	102	213	189	19.1	121	3.9		
-06	NPS	1	4.38	9.80	8.59	1.0	5.75	12.2	46.5	
	DN	25	111	249	218	25.4	146	5.5		
-07	NPS	1¼	4.75	10.12	8.71	1.25	5.75	16.7	80.5	
	DN	32	121	257	221	31.8	146	7.6		
-08	NPS	1½	5.25	11.12	9.40	1.50	7.0	23.0	109.6	
	DN	40	133	282	239	38.1	178	10.4		
-09	NPS	2	7.00	14.09	11.76	2.00	8.0	41.8	181.0	
	DN	50	178	358	299	50.8	203	19.0		

Refer to page 4 for optional trim and service configurations.
Refer to pages 126 & 127 for full materials description.

Refer to page 111-113 for end connections.
Refer to pages 114-115 for other ratings