

PRESSURE & TEMPERATURE DATA

BOLTED BONNET VALVES

(complies with ASME B16.34 – 2013 – Standard Class)

CLASS	TEMP. F	WORKING PRESSURES, psig					CLASS	TEMP. F	WORKING PRESSURE, psig				
		A216 WCB	A217 C5	A217 WC6	A217 WC9	A352 LCC			A216 WCB	A217 C5	A217 WC6	A217 WC9	A352 LCC
150	-20 to 100	285	290	290	290	290	600	-20 to 100	1480	1500	1500	1500	1500
	200	260	260	260	260	260		200	1360	1490	1500	1500	1500
	300	230	230	230	230	230		300	1310	1430	1445	1455	1455
	400	200	200	200	200	200		400	1265	1410	1385	1410	1410
	500	170	170	170	170	170		500	1205	1330	1330	1330	1330
	600	140	140	140	140	140		600	1135	1210	1210	1210	1210
	650	125	125	125	125	125		650	1100	1175	1175	1175	1175
	700	110	110	110	110			700	1060	1135	1135	1135	
	750	95	95	95	95			750	1015	1055	1065	1065	
	800	80	80	80	80			800	825	1015	1015	1015	
	850	65*	65	65	65			850	640**	965	975	975	
	900	50*	50	50	50			900	460**	740	900	900	
	950	35**	35	35	35			950	275**	550	640	755	
	1000	20*	20	20	20			1000	170**	400	430	520	
	1050		20**	20**	20**			1050		290	290	350	
	1100		20**	20**	20**			1100		200	190	220	
1150		20**				1150		125					
1200		15**				1200		70					
300	-20 to 100	740	750	750	750	750	900	-20 to 100	2220	2250	2250	2250	2250
	200	680	745	750	750	750		200	2035	2250	2235	2250	2250
	300	655	715	720	730	730		300	1965	2150	2165	2185	2185
	400	635	705	695	705	705		400	1900	2115	2080	2115	2115
	500	605	665	665	665	665		500	1810	1995	1995	1995	1995
	600	570	605	605	605	605		600	1705	1815	1815	1815	1815
	650	550	590	590	590	590		650	1650	1765	1765	1765	1765
	700	530	570	570	570			700	1590	1705	1705	1705	
	750	505	530	530	530			750	1520	1585	1595	1595	
	800	410	510	510	510			800	1235	1525	1525	1525	
	850	320**	485	485	485			850	955**	1450	1460	1460	
	900	230**	370	450	450			900	680**	1110	1350	1350	
	950	135**	275	320	375			950	410**	825	955	1130	
	1000	85**	200	215	260			1000	255**	595	650	780	
	1050		145	145	175			1050		430	430	525	
	1100		100	95	110			1100		300	290	330	
1150		60				1150		185					
1200		35				1200		105					

* Upon prolonged exposure to temperatures above 800°F, the carbide phase of steel may be converted to Graphite, permissible, but not recommended for prolonged use above 800°F.

**Flanged-end valve ratings terminate @ 1,000°F

