

# RATINGS FOR ASTM A216-WCB

## ASME B16.34-2004 TABLE 2-1.1

### A STANDARD CLASS

Temperature, °F	Working Pressure by Classes, psig						
	150	300	600	900	1500	2500	4500
-20 to 100	285	740	1480	2220	3705	6170	11110
200	260	680	1360	2035	3395	5655	10185
300	230	655	1310	1965	3270	5450	9815
400	200	635	1265	1900	3170	5280	9505
500	170	605	1205	1810	3015	5025	9040
600	140	570	1135	1705	2840	4730	8515
650	125	550	1100	1650	2745	4575	8240
700	110	530	1060	1590	2665	4425	7960
750	95	505	1015	1520	2535	4230	7610
800	80	410	825	1235	2055	3430	6170
850	65	320	640	955	1595	2655	4785
900	50	230	460	690	1150	1915	3455
950	35	135	275	410	685	1145	2055
1000	20	85	170	255	430	715	1285

### B SPECIAL CLASS

Temperature, °F	Working Pressure by Classes, psig						
	150	300	600	900	1500	2500	4500
-20 to 100	290	750	1500	2250	3750	6250	11250
200	290	750	1500	2250	3750	6250	11250
300	285	740	1480	2220	3700	6170	11105
400	280	735	1465	2200	3665	6105	10995
500	280	750	1465	2200	3665	6105	10995
600	280	735	1465	2200	3665	6105	10995
650	275	715	1430	2145	3575	5960	10730
700	265	690	1380	2075	3455	5760	10365
750	245	635	1270	1905	3170	5285	9515
800	195	515	1030	1545	2570	4285	7715
850	155	400	795	1195	1995	3320	5980
900	110	285	575	860	1435	2395	4305
950	65	170	345	515	855	1430	2570
1000	40	105	215	320	535	895	1605

NOTE: 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.

# RATINGS FOR ASTM A217-WC9

## ASME B16.34-1996 TABLE 2-1.10

### A STANDARD CLASS

Temperature, °F	Working Pressure by Classes, psig						
	150	300	600	900	1500	2500	4500
-20 to 100	290	750	1500	2250	3750	6250	11250
200	260	750	1500	2250	3750	6250	11250
300	230	730	1455	2185	3640	6070	10925
400	200	705	1410	2115	3530	5880	10585
500	170	665	1330	1995	3325	5540	9965
600	140	605	1210	1815	3025	5040	9070
650	125	590	1175	1765	2940	4905	8825
700	110	570	1135	1705	2840	4730	8515
750	95	530	1065	1595	2660	4430	7970
800	80	510	1015	1525	2540	4230	7610
850	65	485	975	1460	2435	4060	7305
900	50	450	900	1350	2245	3745	6740
950	35	385	755	1160	1930	3220	5795
1000	20	266	535	800	1335	2230	4010
1050	20	175	350	525	875	1455	2625
1100	20	110	220	330	550	915	1645
1150	20	70	135	205	345	570	1030
1200	15	40	80	125	205	345	615

### B SPECIAL CLASS

Temperature, °F	Working Pressure by Classes, psig						
	150	300	600	900	1500	2500	4500
-20 to 100	290	750	1500	2250	3750	6250	11250
200	290	750	1500	2250	3750	6250	11250
300	285	740	1480	2220	3695	6160	11090
400	280	730	1455	2185	3640	6065	10915
500	280	725	1450	2175	3620	6035	10865
600	275	720	1440	2165	3605	6010	10815
650	275	715	1430	2145	3580	5965	10735
700	270	705	1415	2120	3535	5895	10605
750	270	705	1415	2120	3535	5895	10605
800	270	705	1415	2120	3535	5895	10605
850	260	680	1355	2030	3385	5645	10160
900	230	600	1200	1800	3000	5000	9000
950	180	470	945	1415	2360	3930	7070
1000	130	335	670	1005	1670	2785	5015
1050	85	220	435	655	1095	1820	3280
1100	55	135	275	410	685	1145	2055
1150	35	85	170	255	430	715	1285
1200	20	50	105	155	255	430	770

NOTES: Not to be used over 1100°F.

Flanged end valve ratings terminate at 1000°F.

# RATINGS FOR A351 CF8M (316SS)

## ASME B16.34-1996 TABLE 2-2.2

### A STANDARD CLASS

Temperature, °F	Working Pressure by Classes, psig						
	150	300	600	900	1500	2500	4500
-20 to 100	275	720	1440	2160	3600	6000	10800
200	235	620	1240	1860	3095	5160	9290
300	215	560	1120	1680	2795	4660	8390
400	195	515	1025	1540	2570	4280	7705
500	170	480	955	1435	2390	3980	7165
600	140	450	900	1355	2255	3760	6770
650	125	440	885	1325	2210	3680	6625
700	110	435	870	1305	2170	3620	6515
750	95	425	855	1280	2135	3560	6410
800	80	420	845	1265	2110	3520	6335
850	65	420	835	1255	2090	3480	6265
900	50	415	830	1245	2075	3460	6230
950	35	385	775	1160	1930	3220	5795
1000	20	365	725	1090	1820	3030	5450
1050	20	160	720	1080	1800	3000	5400
1100	20	305	610	915	1525	2545	4575
1150	20	235	475	710	1185	1970	3550
1200	20	185	370	555	1925	1545	2775
1250	20	145	295	440	735	1230	2210
1300	20	115	235	350	585	970	1750
1350	20	95	190	290	480	800	1440
1400	20	75	150	225	380	630	1130
1450	20	60	115	175	290	485	875
1500	15	40	85	125	205	345	620

### B SPECIAL CLASS

Temperature, °F	Working Pressure by Classes, psig						
	150	300	600	900	1500	2500	4500
-20 to 100	290	750	1500	2250	3750	6250	11250
200	265	690	1380	2075	3455	5260	10365
300	240	625	1250	1870	3120	5200	9360
400	220	575	1145	1720	2865	4775	8600
500	205	535	1065	1600	2665	4440	7795
600	195	505	1005	1510	2520	4195	7555
650	190	495	985	1480	2465	4105	7395
700	185	485	970	1455	2425	4040	7270
750	185	475	955	1430	2385	3975	7150
800	180	470	945	1415	2355	3930	7070
850	175	465	930	1400	2330	3885	6990
900	180	465	925	1390	2315	3860	6950
950	185	460	915	1375	2290	3815	6870
1000	170	420	840	1260	2105	3505	6310
1050	160	420	840	1260	2105	3505	6310
1100	145	380	765	1145	1905	3180	5720
1150	115	295	590	885	1480	2465	4435
1200	90	230	465	695	1155	1930	3470
1250	70	185	370	555	1920	1535	2765
1300	55	145	290	435	730	1215	2185
1350	45	120	240	360	600	1000	1800
1400	35	95	190	285	470	785	1415
1450	30	75	145	220	365	605	1095
1500	20	50	105	155	260	430	770

NOTE: Flanged end ratings terminate at 1000°F.