

PRESSURE & TEMPERATURE RATINGS (ASME B16.34)

MAT'L GROUP (GROUP NO.)	CARBON (1.1)		LOW ALLOY (1.9, 1.0, 1.14, 1.15, 1.17)									STAINLESS (2.1, 2.2)				
MATERIAL	A105(a) & A350-LF2(a)		A182-F11(b)		A182-F22(b)		A182-F5		A182-F9		A182-F91		A182-F304(L)(c)		A182-F316(L)(c)	
CLASS	800	1500	800	1500	800	1500	800	1500	800	1500	800	1500	800	1500	800	1500
°F	WORKING PRESSURE, psig															
100	1975	3705	2000	3750	2000	3750	2000	3750	2000	3750	2000	3750	1920	3600	1920	3600
200	1810	3395	2000	3750	2000	3750	1965	3680	2000	3750	2000	3750	1600	3000	1655	3095
300	1745	3270	1925	3610	1940	3640	1865	3495	1940	3640	1945	3640	1435	2690	1495	2795
400	1690	3170	1850	3465	1880	3530	1780	3345	1880	3530	1880	3530	1325	2485	1370	2570
500	1610	3015	1775	3325	1775	3325	1725	3230	1775	3325	1775	3325	1240	2330	1275	2390
600	1515	2840	1615	3025	1615	3025	1615	3025	1615	3025	1615	3025	1180	2210	1205	2255
650	1465	2745	1570	2940	1570	2940	1570	2940	1570	2940	1570	2940	1150	2160	1180	2210
700	1415	2665	1515	2840	1515	2840	1515	2840	1515	2840	1515	2840	1125	2110	1160	2170
750	1350	2535	1420	2660	1420	2660	1420	2660	1420	2660	1420	2660	1100	2065	1140	2135
800	1100	2055	1355	2540	1355	2540	1355	2540	1355	2540	1355	2540	1080	2030	1125	2110
850	850	1595	1300	2435	1300	2435	1300	2435	1300	2435	1300	2435	1055	1980	1115	2090
900	615	1150	1200	2245	1200	2245	995	1870	1200	2245	1200	2245	1035	1945	1105	2075
950	365	685	850	1595	1025	1930	735	11370	1005	1885	1035	1930	1020	1910	1030	1930
1000	225	430	575	1080	710	1335	530	995	675	1270	970	1820	945	1770	970	1820
1050			385	720	465	875	385	720	460	855	960	1800	865	1630	960	1800
1100			255	480	295	550	255	480	300	565	805	1510	685	1285	815	1525
1150			175	325	180	345	165	310	200	375	595	1115	545	1030	630	1185
1200			110	205	110	205	95	170	140	255	385	720	440	825	495	925
1250													355	670	390	735
1300													300	565	310	585
1350													250	465	255	480
1400													200	380	200	380
1450													155	290	155	290
1500													110	205	110	205

MAT'L GROUP (GROUP NO.)	STAINLESS (2.4, 2.5)				DUPLEX (2.8)		SUPER AUST. (3.1)		NICKEL ALLOY (3.4, 3.8)							
MATERIAL	A182-F321(d)		A182-F347H		A182-F51(e) & A182-F53(e)		B462-N08020		B564-N04400		B564-N08825(d)		B564-N06625(f)		B564-N10276(g)	
CLASS	800	1500	800	1500	800	1500	800	1500	800	1500	800	1500	800	1500	800	1500
°F	WORKING PRESSURE, psig															
100	1920	3600	1920	3600	2000	3750	2000	3750	1600	3000	2000	3750	2000	3750	2000	3750
200	1730	3240	1765	3310	1985	3720	1975	3710	1400	2630	2000	3750	2000	3750	2000	3750
300	1585	2975	1645	3085	1780	3335	1890	3550	1305	2450	1940	3640	1940	3640	1940	3640
400	1470	2760	1535	2880	1640	3070	1815	3410	1260	2365	1860	3490	1860	3490	1860	3490
500	1375	2580	1445	2710	1545	2905	1745	3275	1260	2365	1770	3325	1770	3325	1770	3325
600	1300	2435	1375	2580	1485	2785	1610	3025	1260	2365	1610	3025	1610	3025	1610	3025
650	1265	2375	1350	2530	1460	2735	1565	2940	1260	2365	1565	2940	1565	2940	1565	2940
700	1240	2330	1325	2485	1445	2710	1515	2840	1250	2350	1515	2840	1515	2840	1515	2840
750	1220	2290	1310	2460	1420	2660	1415	2660	1240	2330	1415	2660	1415	2660	1415	2660
800	1205	2255	1300	2435			1355	2540	1220	2290	1355	2540	1355	2540	1355	2540
850	1190	2230	1295	2425					1005	1885	1295	2435	1295	2435	1295	2435
900	1180	2210	1200	2245					730	1370	1200	2245	1200	2245	1200	2245
950	1030	1930	1030	1930							1030	1930	1030	1930	1030	1930
1000	970	1820	970	1820							965	1820	965	1820	965	1820
1050	960	1800	960	1800							960	1800	960	1800	960	1800
1100	830	1560	860	1610							855	1610	855	1610	855	1610
1150	630	1185	735	1370							730	1370	730	1370	730	1370
1200	495	925	550	1030							545	1030	545	1030	545	1030
1250	375	705	485	910							440	825	440	825	440	825
1300	295	550	365	685							320	600	320	600	320	600
1350	225	430	275	515												
1400	175	325	200	380												
1450	140	255	155	290												
1500	100	190	110	205												

<GENERAL NOTE>

1. Flanged-end valve ratings terminate at 1000°F.

<NOTES>

(a) Permissible, but not recommended for prolonged use above 800°F.

(b) Permissible, but not recommended for prolonged use above 1100°F.

(c) "L" grade is not to be used over 800°F.

(d) Not to be used over 1000°F.

(e) Not to be used over 600°F.

(f) Not to be used over 1200°F.

(g) Not to be used over 1250°F.