

Pressure/Temperature Charts

ASTM A351 Grade CF3(a)/A182-F304L & ASTM A351 Grade CF8(b)/A182-F304

(a) Not to be used over 800°F

(b) At temperatures over 1000°F, use only when the carbon content is 0.04% or higher. This requirement must be specified by customer when applicable.

Standard Class

Working Pressures by Classes, psig								
Temperature, °F	150	300	400	600	900	1500	2500	4500
-20 to 100	275	720	960	1440	2160	3600	6000	10,800
200	230	600	800	1200	1800	3000	5000	9000
300	205	540	720	1080	1620	2700	4500	8100
400	190	495	660	995	1490	2485	4140	7450
500	170	465	620	930	1395	2330	3880	6985
600	140	435	580	875	1310	2185	3640	6550
650	125	430	575	860	1290	2150	3580	6445
700	110	425	565	850	1275	2125	3540	6370
750	95	415	555	830	1245	2075	3460	6230
800	80	405	540	805	1210	2015	3360	6050
850	65	395	530	790	1190	1980	3300	5940
900	50	390	520	780	1165	1945	3240	5830
950	35	380	510	765	1145	1910	3180	5725
1000	20	320	430	640	965	1605	2675	4815
1050	20(1)	310	410	615	925	1545	2570	4630
1100	20(1)	255	345	515	770	1285	2145	3855
1150	20(1)	200	265	400	595	995	1655	2985
1200	20(1)	155	205	310	465	770	1285	2315
1250	20(1)	115	150	225	340	565	945	1695
1300	20(1)	85	115	170	255	430	715	1285
1350	20(1)	60	80	125	185	310	515	925
1400	20(1)	50	65	95	145	240	400	720
1450	15(1)	35	45	70	105	170	285	515
1500	10(1)	25	35	55	80	135	230	410

NOTE: (1) For welding end valves only. Flanged end ratings terminate at 1000°F