

Pressure/Temperature Charts

ASTM A216 Grade WBC//A105

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.

Standard Class

Working Pressures by Classes, psig								
Temperature, °F	150	300	400	600	900	1500	2500	4500
-20 to 100	285	740	990	1480	2220	3705	6170	11,110
200	260	675	900	1350	2025	3375	5625	10,120
300	230	655	875	1315	1970	3280	5470	9845
400	200	635	845	1270	1900	3170	5280	9505
500	170	300	800	1200	1795	2995	4990	8980
600	140	550	730	1095	1640	2735	4560	8210
650	125	535	715	1075	1610	2685	4475	8055
700	110	535	710	1065	1600	2665	4440	7990
750	95	505	670	1010	1510	2520	4200	7560
800	80	410	550	825	1235	2060	3430	6170