



## Valve Pressure Temperature Chart **ASME B16.34**

Group 1.1 Materials  
A216 Gr. WCB<sup>(1)</sup>, A105<sup>(1)</sup>  
and A350 Gr. LF2<sup>(1)</sup>



Temp. (°F)	Working Pressure by Class (psig)					
	150	300	600	800	900	1500
-20 to 100	740	1480	1975	2220	3705	740
200	680	1360	740	2035	3395	680
300	655	1310	765	1965	3270	655
400	635	1265	770	1900	3170	635
500	605	1205	760	1810	3015	605
600	570	1135	755	1705	2840	570
650	550	1100	775	1650	2745	550
700	530	1060	770	1590	2665	530
750	505	1015	765	1520	2535	505
800	410	825	650	1235	2055	410
850	320	640	620	955	1595	320
900	230	460	575	690	1150	230
950	135	275	475	410	685	135
1,000	85	170	500	255	430	85

**NOTE:**

**(1) 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.**

**This information is provided for quick references, always consult applicable ASME, ASTM and Manufacture's standards.**