

Maximum temperature and pressure ratings of flanges conforming dimensions ASME B16.5 Pipe Flanges and Flanged Fittings - and materials specification ASTM A-105 Specification for Carbon Steel Forgings for Piping Applications - temperature in Fahrenheit and pressure in psi.

Pressure (psi)							
Temperature °C (°F)	Flange Class						
	150#	300#	400#	600#	900#	1500#	2500#
< 38°C (< 100°F)	285 psi	740 psi	985 psi	1480 psi	2220 psi	3705 psi	6170 psi
93°C (200°F)	260	680	905	1360	2035	3395	5655
149°C (300°F)	230	655	870	1310	1965	3270	5450
204°C (400°F)	200	635	845	1265	1900	3170	5280
260°C (500°F)	170	605	805	1205	1810	3015	5025
315°C (600°F)	140	570	755	1135	1705	2840	4730
343°C (650°F)	125	550	730	1100	1650	2745	4575
371°C (700°F)	110	530	710	1060	1590	2655	4425
399°C (750°F)	95	505	675	1015	1520	2535	4230
425°C (800°F)	80	410	550	825	1235	2055	3430
454°C (850°F)	65	320	425	640	955	1595	2655
482°C (900°F)	50	230	305	460	690	1150	1915
510°C (950°F)	35	135	185	275	410	685	1145
538°C (1000°F)	20	85	115	170	255	430	715
<b>Hydrostatic Test Pressure (psig)</b>	<b>450</b>	<b>1125</b>	<b>1500</b>	<b>2225</b>	<b>3350</b>	<b>5575</b>	<b>9275</b>

