

ANSI FLANGE PRESSURE-TEMPERATURE REFERENCE CHART

Pressure - Temperature Ratings (psig) Class - 150#

Pressure Class #	Service Temp (°F)	Carbon Steel	Cr - Mo	SS 304	SS 316	SS 304L SS 316L	SS 321
100	285	285	290	275	275	230	275
200	260	260	260	235	240	195	235
300	230	230	230	205	215	175	210
400	200	200	200	180	195	160	190
500	170	170	170	170	170	145	170
600	140	140	140	140	140	140	140
650	125	125	125	125	125	125	125
700	110	110	110	110	110	110	110
750	95	95	95	95	95	95	95
800	80	80	80	80	80	80	80
850	65	65	65	65	65	65	65
900	50	50	50	50	50		50
950	35	35	35	35	35		35
1000	20	20	20	20	20		20

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ANSI FLANGE PRESSURE-TEMPERATURE REFERENCE CHART

Pressure - Temperature Ratings (psig) Class - 300#

Pressure Class #	Service Temp (°F)	Carbon Steel	Cr - Mo	SS 304	SS 316	SS 304L SS 316L	SS 321
#300	100	740	750	720	720	600	720
	200	675	750	600	620	505	610
	300	655	730	530	560	455	545
	400	635	705	470	515	415	495
	500	600	665	435	480	380	460
	600	550	605	415	450	360	435
	650	535	590	410	445	350	430
	700	535	570	405	430	345	420
	750	505	530	400	425	335	415
	800	410	510	395	415	330	415
	850	270	485	390	405	320	410
	900	170	450	385	395		405
	950	105	345	375	385		385
1000	50	215	325	365		355	

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ANSI FLANGE PRESSURE-TEMPERATURE REFERENCE CHART

Pressure - Temperature Ratings (psig) Class - 400#

Pressure Class #	Service Temp(°F)	Carbon Steel	Cr - Mo	SS 304	SS 316	SS 304L SS 316L	SS 321
100	990	1000	960	960	800	960	
200	900	1000	800	825	675	815	
300	875	970	705	745	605	725	
400	845	940	630	685	550	660	
500	800	885	585	635	510	610	
600	730	805	555	600	480	585	
650	715	785	540	575	460	560	
700	710	755	540	575	460	560	
750	670	710	530	565	450	555	
800	550	675	525	555	440	550	
850	355	650	520	540	430	545	
900	230	600	510	525		540	
950	140	460	500	515		515	
1000	70	285	430	485		475	

400#

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ANSI FLANGE PRESSURE-TEMPERATURE REFERENCE CHART

Pressure - Temperature Ratings (psig) Class - 600#

Pressure Class #	Service Temp(°F)	Carbon Steel	Cr - Mo	SS 304	SS 316	SS 304L SS 316L	SS 321
100	1480	1500	1440	1440	1200	1440	
200	1350	1500	1200	1240	1015	1220	
300	1315	1455	1055	1120	910	1090	
400	1270	1410	940	1030	825	990	
500	1200	1330	875	955	765	915	
600	1095	1210	830	905	720	875	
650	1075	1175	815	890	700	855	
700	1065	1135	805	865	685	840	
750	1010	1065	975	845	670	830	
800	825	1015	790	830	660	825	
850	535	975	780	810	645	815	
900	345	900	770	790		810	
950	205	685	750	775		775	
1000	105	425	645	725		715	

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ANSI FLANGE PRESSURE-TEMPERATURE REFERENCE CHART

Pressure - Temperature Ratings (psig) Class - 900#

Pressure Class #	Service Temp(°F)	Carbon Steel	Cr - Mo	SS 304	SS 316	SS 304L SS 316L	SS 321
#900	100	2200	2250	2160	2160	1800	2160
	200	2025	2250	1800	1860	1520	1830
	300	1970	2185	1585	1680	1360	1635
	400	1900	2115	1410	1540	1240	1485
	500	1975	1995	1310	1435	1145	1375
	600	1640	1815	1245	1355	1080	1310
	650	1610	1765	1225	1330	1050	1280
	700	1600	1705	1210	1295	1030	1260
	750	1510	1595	1195	1270	1010	1245
	800	1235	1525	1180	1245	985	1240
	850	805	1460	1165	1215	965	1225
	900	515	1350	1150	1180		1215
	950	310	1030	1125	1160		1160
	1000	155	640	965	1090		1070

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ANSI FLANGE PRESSURE-TEMPERATURE REFERENCE CHART

Pressure - Temperature Ratings (psig) Class - 1500#

Pressure Class #	Service Temp(°F)	Carbon Steel	Cr - Mo	SS 304	SS 316	SS 304L SS 316L	SS 321
100		3600	3750	3600	3600	3000	3600
200		3500	3750	3000	3095	2530	2530
300		3415	3610	2700	2795	2270	2975
400		3330	3465	2485	2570	2065	2760
500		3125	3325	2330	2390	1910	2570
600		2770	3025	2185	2225	1800	2435
650		2580	2940	2150	2220	1750	2390
700		2350	2840	2125	2170	1715	2330
750		2125	2660	2075	2135	1680	2290
800		1830	2540	2015	2110	1645	2255
850		1500	2435	1980	2090	1610	2230
900		1115	2245	1945	2075		2210
950		770	1595	1910	1930		1930
1000		430	1080	1605	1750		1785

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