

# 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
150#	100	285	290	275	275	230	275
150#	200	260	260	235	240	195	235
150#	300	230	230	205	215	175	210
150#	400	200	200	180	195	160	190
150#	500	170	170	170	170	145	170
150#	600	140	140	140	140	140	140
150#	650	125	125	125	125	125	125
150#	700	110	110	110	110	110	110
150#	750	95	95	95	95	95	95
150#	800	80	80	80	80	80	80
150#	850	65	65	65	65	65	65
150#	900	50	50	50	50		50
150#	950	35	35	35	35		35
150#	1000	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
300#	200	675	750	600	620	505	610
300#	300	655	730	530	560	455	545
300#	400	635	705	470	515	415	495
300#	500	600	665	435	480	380	460
300#	600	550	605	415	450	360	435
300#	650	535	590	410	445	350	430
300#	700	535	570	405	430	345	420
300#	750	505	530	400	425	335	415
300#	800	410	510	395	415	330	415
300#	850	270	485	390	405	320	410
300#	900	170	450	385	395		405
300#	950	105	345	375	385		385
300#	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
400#	100	990	1000	960	960	800	960
400#	200	900	1000	800	825	675	815
400#	300	875	970	705	745	605	725
400#	400	845	940	630	685	550	660
400#	500	800	885	585	635	510	610
400#	600	730	805	555	600	480	585
400#	650	715	785	540	575	460	560
400#	700	710	755	540	575	460	560
400#	750	670	710	530	565	450	555
400#	800	550	675	525	555	440	550
400#	850	355	650	520	540	430	545
400#	900	230	600	510	525		540
400#	950	140	460	500	515		515
400#	1000	70	285	430	485		475

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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
600#	100	1480	1500	1440	1440	1200	1440
600#	200	1350	1500	1200	1240	1015	1220
600#	300	1315	1455	1055	1120	910	1090
600#	400	1270	1410	940	1030	825	990
600#	500	1200	1330	875	955	765	915
600#	600	1095	1210	830	905	720	875
600#	650	1075	1175	815	890	700	855
600#	700	1065	1135	805	865	685	840
600#	750	1010	1065	975	845	670	830
600#	800	825	1015	790	830	660	825
600#	850	535	975	780	810	645	815
600#	900	345	900	770	790		810
600#	950	205	685	750	775		775
600#	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
900#	200	2025	2250	1800	1860	1520	1830
900#	300	1970	2185	1585	1680	1360	1635
900#	400	1900	2115	1410	1540	1240	1485
900#	500	1975	1995	1310	1435	1145	1375
900#	600	1640	1815	1245	1355	1080	1310
900#	650	1610	1765	1225	1330	1050	1280
900#	700	1600	1705	1210	1295	1030	1260
900#	750	1510	1595	1195	1270	1010	1245
900#	800	1235	1525	1180	1245	985	1240
900#	850	805	1460	1165	1215	965	1225
900#	900	515	1350	1150	1180		1215
900#	950	310	1030	1125	1160		1160
900#	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
1500#	100	3600	3750	3600	3600	3000	3600
1500#	200	3500	3750	3000	3095	2530	2530
1500#	300	3415	3610	2700	2795	2270	2975
1500#	400	3330	3465	2485	2570	2065	2760
1500#	500	3125	3325	2330	2390	1910	2570
1500#	600	2770	3025	2185	2225	1800	2435
1500#	650	2580	2940	2150	2220	1750	2390
1500#	700	2350	2840	2125	2170	1715	2330
1500#	750	2125	2660	2075	2135	1680	2290
1500#	800	1830	2540	2015	2110	1645	2255
1500#	850	1500	2435	1980	2090	1610	2230
1500#	900	1115	2245	1945	2075		2210
1500#	950	770	1595	1910	1930		1930
1500#	1000	430	1080	1605	1750		1785

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