



ALL STAINLESS LIMITED

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INFORMATION SHEET

Allowable Working Pressures

Allowable Working Pressure psi – Type 316 Schedule 80S

Temp °F	Size Stress	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"
		-20 to 100	18750	5562	4558	4196	3490	3169	2736	2870	2543	2347	2204	1972	1905	1685
200	18750	5562	4558	4196	3490	3169	2736	2870	2534	2347	2204	1972	1905	1685	1341	1124
300	17900	5309	4352	4006	3332	3026	2612	2740	2427	2241	2104	1883	1819	1609	1280	1073
400	17500	5191	4255	3916	3258	2958	2553	2679	2374	2191	2057	1841	1778	1572	1251	1049
500	17200	5102	4182	3849	3201	2907	2510	2633	2333	2153	2022	1810	1748	1546	1229	1031
600	17100	5072	4157	3827	3183	2890	2494	2618	2319	2141	2010	1799	1738	1536	1223	1025
650	17050	5048	4145	3815	3173	2882	2487	2610	2312	2135	2004	1794	1733	1532	1218	1022
700	17000	5043	4133	3804	3164	2873	2480	2602	2306	2129	1998	1789	1728	1528	1215	1020
750	16750	5013	4108	3782	3145	2856	2465	2587	2292	2116	1986	1778	1717	1518	1208	1014
800	16750	4969	4072	3748	3117	2831	2443	2564	2272	2097	1969	1762	1702	1505	1197	1004
850	16500	4895	4012	3693	3071	2788	2407	2526	2238	2066	1939	1736	1677	1483	1179	989
900	16000	4746	3890	3581	2978	2704	2334	2449	2170	2003	1881	1683	1626	1438	1144	959
950	15100	4479	3671	3379	2810	2552	2203	2312	1891	1891	1774	1589	1535	1357	1079	906
1000	14000	4153	3403	3133	2606	2366	2042	2142	1753	1753	1645	1473	1422	1258	1001	839
1050	12200	3619	2966	2730	2271	2062	1779	1867	1527	1527	1433	1283	1240	1096	872	731
1100	10400	3196	2602	2390	1979	1793	1543	1620	1321	1321	1240	1108	1070	944	749	628
1150	8500	2816	2260	2065	1693	1528	1307	1375	1113	1113	1042	929	895	788	623	521
1200	6800	2253	1808	1652	1344	1222	1046	1100	890	890	833	742	716	631	498	416
1250	5300	1756	1409	1287	1055	952	815	857	694	694	650	579	558	492	388	324
1300	4000	1325	1064	972	797	719	615	647	524	524	490	436	421	371	293	244
1350	3000	994	798	729	597	538	461	485	392	392	368	328	316	278	220	183
1400	2350	785	624	571	468	522	361	379	307	307	288	256	247	218	172	143
1450	1850	612	492	449	368	323	284	299	242	242	226	202	194	171	136	113
1500	1500	497	398	364	299	269	230	243	196	196	183	164	158	139	109	91

Pressure calculated in accordance with ANSI B31.1, paragraph 324-a
304L and 316L are slightly lower than 304 and 316.
Above information is for guidance only.