

## Pressure Temperature Ratings for Stainless Steel 316 ANSI Flanges

Table 2-2.2

<b>WORKING PRESSURES BY CLASSES, psig</b>							
<b>Class Temp °F</b>	<b>150</b>	<b>300</b>	<b>400</b>	<b>600</b>	<b>900</b>	<b>1500</b>	<b>2500</b>
<b>-20 to 100</b>	275	720	960	1440	2160	3600	6000
<b>200</b>	235	620	825	1240	1860	3095	5160
<b>300</b>	215	560	745	1120	1680	2795	4660
<b>400</b>	195	515	685	1025	1540	2570	4280
<b>500</b>	170	480	635	955	1435	2390	3980
<b>600</b>	140	450	600	900	1355	2255	3760
<b>650</b>	125	440	590	885	1325	2210	3680
<b>700</b>	110	435	580	870	1305	2170	3620
<b>750</b>	95	425	570	855	1280	2135	3560
<b>800</b>	80	420	565	845	1265	2110	3520
<b>850</b>	65	420	555	835	1255	2090	3480
<b>900</b>	50	415	555	830	1245	2075	3460
<b>950</b>	35	385	515	775	1160	1930	3220
<b>1000</b>	20	365	485	725	1090	1820	3030

Table F2-2.2

<b>WORKING PRESSURES BY CLASSES, bar</b>							
<b>Class Temp °C</b>	<b>150</b>	<b>300</b>	<b>400</b>	<b>600</b>	<b>900</b>	<b>1500</b>	<b>2500</b>
<b>-29 to 38</b>	19	49.6	66.2	99.3	148.9	248.2	413.7
<b>50</b>	18.4	48.1	64.2	96.2	144.3	240.6	400.9
<b>100</b>	16.2	42.2	56.3	84.4	126.6	211	351.6
<b>150</b>	14.8	38.5	51.3	77	115.5	192.5	320.8
<b>200</b>	13.7	35.7	47.6	71.3	107	178.3	297.2
<b>250</b>	12.1	33.4	44.5	66.8	100.1	166.9	278.1
<b>300</b>	10.2	31.6	42.2	63.2	94.9	158.1	263.5
<b>325</b>	9.3	30.9	41.2	61.8	92.7	154.4	257.4
<b>350</b>	8.4	30.3	40.4	60.7	91	151.6	252.7
<b>375</b>	7.4	29.9	39.8	59.8	89.6	149.4	249
<b>400</b>	6.5	29.4	39.3	58.9	88.3	147.2	245.3
<b>425</b>	5.5	29.1	38.9	58.3	87.4	145.7	242.9
<b>450</b>	4.6	28.8	38.5	57.7	86.5	144.2	240.4
<b>475</b>	3.7	28.7	38.2	57.3	86	143.4	238.9
<b>500</b>	2.8	28.2	37.6	56.5	84.7	140.9	235
<b>538</b>	1.4	25.2	33.4	50	75.2	125.5	208.9

**Flange End Pressure Ratings** – Pressure ratings for fittings that have both tube fitting end connections and flange connections are determined by the connection with the lowest pressure rating.