



Pressure Temperature Ratings for Flanges

Weldbend manufactured flanges in Class 150, Class 300, and Class 600 have pressure ratings in pounds - force per square inch at temperatures measured in degrees Fahrenheit.

Each column shows working pressure for that pressure rating Class.

Note that the table specifically rates carbon steel products within the temperatures listed.

RATING (Carbon Steel)

Temperature in °F	Working Pressure in psig by Classes			
	125*	150	300	600
-20 to 100	*	285	740	1480
200	*	260	675	1350
300	*	230	655	1315
400	*	200	635	1270
500	*	170	600	1200
600	*	140	550	1095
650	*	125	535	1075
700	*	110	535	1065
750	*	95	505	1010
800	*	80	410	825
850	*	65	270	535
900	*	50	170	345
950	*	35	105	205
1000	*	20	50	105

* There is no standard for Class 125 as it is applicable to Cast Iron Standard ASA B16.1. Class 125 flanges are wide in face and used for connections to cast steel valves or equipment containing flanged ends made to Cast Iron Standard dimensions. Carbon steel bolting is intended and alloy studs should be avoided. Class 125 flanges are identical with Class E AWWA.