

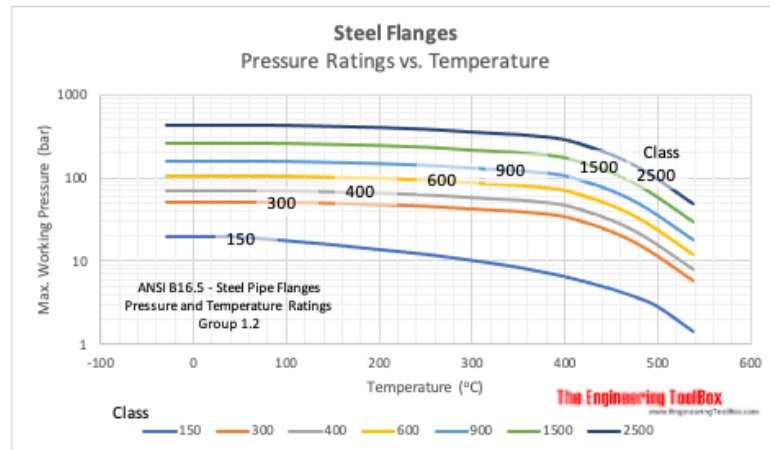
Pressure (psig) and temperature ratings for steel pipe flanges and flanged fittings according the American National Standard ANSI B16.5 - 1988 Group 1.2:

Temperature (°C) (°F)	Working Pressure (bar) (psi)						
	Class						
	150	300	400	600	900	1500	2500
-29 - 38	19.8	51.7	68.9	103.4	155	259	431
50	19.5	51.7	68.9	103.4	155	259	431
100	17.7	51.5	68.7	103.0	155	258	429
150	15.8	50.2	66.8	100.3	151	251	418
200	13.8	48.6	64.8	97.2	146	243	405
250	12.1	46.3	61.7	92.7	139	232	386
300	10.2	42.9	57.0	85.7	129	214	357
325	9.3	41.4	55.0	82.6	124	207	344
350	8.4	40.0	53.4	80.0	120	200	334
375	7.4	37.8	50.4	75.7	114	189	315
400	6.5	34.7	46.3	69.4	104	174	290
425	5.5	28.8	38.4	57.5	86.3	144	240
450	4.6	23.0	30.7	46.0	69.0	115	192
475	3.7	17.1	22.8	34.2	51.3	85.4	142
500	2.8	11.6	15.4	23.2	34.7	57.9	96.5
538	1.4	5.9	7.9	11.8	17.7	29.5	49.2

The values in this table apply to materials Group 1.2

- [Pressure Ratings Group 1.1](#)

For other Material Groups the Pressure-Temperature Ratings are different. Most carbon steels are only acceptable for temperatures below 800 F.



<https://sensemaster.co.uk/circulation-heaters/>

Please liaise with Sensemaster technical mail@sensemaster.co.uk 01291 422022 for further assistance

Further product information can be found on our website link [Circulation Heaters](#)