PRESSURE/TEMPERATURE RATINGS OF STEEL AND STAINLESS STEEL FLANGES

150 lb. Flange											
				STAINLESS STEEL							
Material	Carbon steel			Туре 304	Type 316	Types 304L 316L	Type 321	Type 347 348			
Temp. °F	Norm.	High	Low								
-20 to 100 200 300 400	285 260 230	290 260 230 200	235 215 210	275 235 205 180	275 240 215 195	230 195 175 160	275 235 210 190	275 245 225 200			
500 600 650 700	170 140 125 110			14 12	70 40 25 10	140 125		170 140 125 110			
750 800 850 900	95 80		95 80 65 50		95 80 65	95 80 65 50					
950 1000					35 20			35 20			
	Pressure in Pounds per square inch, gage (psig))			

300 lb. Flange

				STAINLESS STEEL					
Material Temp. °F	Carbon steel Norm. High Low			Туре 304	Туре 316	Types 304L 316L	Type 321	Types 347 348	
-20 to 100 200 300 400	740 675 655 635	750 750 730 705	620 560 550 530	720 600 530 470	720 620 560 515	600 505 455 415	720 610 545 495	720 635 590 555	
500 600 650 700	600 550 535 535	665 605 590 570	500 455 450 450	435 415 410 405	480 450 445 430	380 360 350 345	460 435 430 420	520 490 480 470	
750 800 850 900	505 410	505 410 270 170	445 370	400 395 390 385	425 415 405 395	335 330 320	415 415 410 405	460 455 445 430	
950 1000 1050 1100		105 50		375 325 310 260	385 365 360 325		385 355 345 300	385 365 360 325	
1150 1200 1250 1300				195 155 110 85	275 205 180 140		235 180 140 105	275 170 125 95	
1350 1400 1450 1500				60 50 35 25	105 75 60 40		80 60 50 40	70 50 40 35	
	Pressure in Pounds per square inch, gage (psig)								

				STAINLESS STEEL					
Material	Carbon steel			Tune	Tues	Types		Types	
				Туре 304	Type 316	304L 316L	Type 321	347 348	
Temp. °F	Norm.	High	Low						
-20 to 100 200 300 400	1480 1350 1315 1270	1550 1500 1455 1410	1235 1225 1095 1060	1440 1200 1055 940	1440 1240 1120 1030	1200 1015 910 825	1440 1220 1090 990	1440 1270 1175 1110	
500 600 650 700	1200 1095 1075 1065	1330 1210 1175 1135	995 915 895 895	875 830 815 805	955 905 890 865	765 720 700 685	915 875 855 840	1035 985 960 935	
750 800 850 900	1010 825	1010 825 535 345	885 740	795 790 780 770	845 830 810 790	670 660 645	830 825 815 810	920 910 890 865	
950 1000 1050 1100		205 105		750 645 620 515	775 725 720 645		775 715 695 605	775 725 720 645	
1150 1200 1250 1300				390 310 220 165	550 410 365 275		475 365 280 210	550 345 245 185	
1350 1400 1450 1500				120 90 70 50	205 150 115 85		165 125 95 75	135 105 80 70	
	Pressure in Pounds per square inch, gage (psig)								

600 lb. Flange

150 lb. Flange