

A105 Forged Steel Flange Pressure/Temperature Ratings

CLASS								
	75	150	300	400	600	900	1500	2500
TEST PRESSURE		425	1100	1450	2175	3250	5400	9000
ANSI B16.5 - ASME B16.5								
-20 - 100F		275	720	960	1440	2160	3600	6000
150F		255	710	945	1420	2130	3550	5915
200F		240	700	930	1400	2100	3500	5830
250F		225	690	920	1380	2070	3450	5750
300F		210	680	910	1365	2050	3415	5690
350F		195	675	900	1350	2025	3375	5625
400F		180	665	890	1330	2000	3330	5550
450F		165	650	870	1305	1955	3255	5430
500F		150	625	835	1250	1875	3125	5210
550F		140	590	790	1160	1775	2955	4925
600F		130	555	740	1110	1660	2770	4620
650F		120	515	690	1030	1550	2560	4300
700F		110	470	535	940	1410	2350	3920
750F		100	425	575	850	1275	2125	3550
800F		92	365	490	730	1100	1830	3050
850F		82	300	400	600	900	1500	2500
900F		70	225	295	445	670	1115	1855
950F		55	155	205	310	465	770	1285
1000F		40	85	115	170	255	430	715
MSS SP-44 - ASME B16.47 Class A								
-20 - 100F		285	740	990	1480	2220		
300F		275	715	955	1430	2145		
350F		265	690	925	1380	2070		
400F		255	665	890	1330	2000		
450F		245	640	860	1285	1925		
API 605 - ASME B16.47 Class B								
100F	140	285	740	990	1480	2220		
200F	130	260	675	900	1350	2025		
300F	115	230	665	875	1315	1970		
400F	100	200	635	845	1270	1900		
500F	85	170	600	800	1200	1795		
600F	70	140	550	730	1095	1640		
650F	60	125	535	715	1075	1610		
700F		110	535	710	1065	1600		
750F		95	505	670	1010	1510		
800F		80	410	550	825	1235		
850F		65	270	355	535	805		
900F		50	170	230	345	515		
950F		35	105	140	205	310		
1000F		20	50	70	105	155		

*Pressures based on using A193 B-7 Bolting

** Every effort has been made to insure the accuracy of this chart, for critical applications consult a qualified engineer.