

# V1-1 PRESSURE TEMPERATURE RATINGS

## A182-F22 (2 1/4 Cr.- 1 Mo.)

MODEL No.*	ANSI Rating	TEMPERATURE, °F																	
		-20 to 100	200	300	400	500	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
B7L1	900(1)	2250 psi	2150	2030	1945	1920	1815	1765	1705	1595	1525	1460	1350	1130	780	525	330	205	125
B8L1	1500 2250(2)	5625 psi	5369	5076	4860	4798	4536	4414	4258	3988	3808	3654	3370	2830	1954	1310	824	514	310
B0L1	2500 3100(2)	7750 psi	7551	7226	6956	6721	6249	6081	5866	5492	5244	5034	4644	3901	2692	1806	1134	708	426
BAL7	3500 4000(2)	10000 psi	9929	9604	9289	8806	8063	7845	7569	7085	6765	6494	5991	5035	3475	2333	1463	915	548
BBL7	4500(1)	11250 psi	11250	10925	10585	9965	9070	8825	8515	7970	7610	7305	6740	5665	3910	2625	1645	1030	615

## A105 (Carbon Steel)\*\*

MODEL No.*	ANSI Rating	TEMPERATURE, °F													
		-20 to 100	200	300	400	500	600	650	700	750	800	850	900	950	1000
B7C1	900(1)	2250 psi	2025	1970	1900	1795	1640	1610	1600	1510	1235	805	515	310	155
B8C1	1500 2250(2)	5625 psi	5063	4923	4753	4491	4104	4028	3996	3780	3088	2008	1288	774	388
B0C1	2500 3100(2)	7750 psi	6974	6783	6548	6187	5655	5549	5505	5208	4252	2764	1772	1066	532
BAC1	3500 4000(2)	10000 psi	8996	8751	8449	7983	7298	7160	7103	6720	5485	3565	2285	1374	685
BBC1	4500(1)	11250 psi	10120	9845	9505	8980	8210	8055	7990	7560	6170	4010	2570	1545	770

\*\* per ASME/ANSI B16.34 Permissible, but not recommended for prolonged usage above 800 °F.

## A182-F316 (316 Stainless Steel)

MODEL No.*	ANSI Rating	TEMPERATURE, °F																	
		650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
B723	900(1)	1330 psi	1305	1280	1265	1255	1245	1160	1050	1030	915	710	555	440	350	290	225	175	125
B823	1500 2250(2)	3330 psi	3258	3204	3168	3133	3114	2898	2624	2579	2290	1774	1390	1106	874	720	568	436	310
B023	2500 3100(2)	4588 psi	4489	4415	4365	4316	4291	3993	3614	3552	3154	2444	1914	1524	1204	992	780	602	428
BA21	3500 4000(2)	5920 psi	5791	5698	5631	5569	5538	5151	4663	4583	4068	3155	2468	1965	1555	1280	1005	778	551
BB21	4500(1)	6660 psi	6515	6410	6335	6265	6230	5795	5245	5155	4575	3550	2775	2210	1750	1440	1130	875	620

## A182-F91 (9Cr.-1 Mo.)

MODEL No.*	ANSI Rating	TEMPERATURE, °F																	
		-20 to 100	200	300	400	500	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
B791	900(1)	2250 psi	2250	2185	2115	1995	1815	1765	1705	1595	1525	1460	1350	1109	1090	1080	965	718	448
B891	1500 2250(2)	5625 psi	5625	5463	5293	4986	4536	4414	4258	3988	3808	2904	3370	2898	2728	2700	2416	1800	1105
B091	2500 3100(2)	7750 psi	7750	7527	7292	6868	6249	6081	5866	5492	5244	4334	4644	3993	3756	3720	3330	2480	1523
BA91	3500 4000(2)	10000 psi	10000	9711	9409	8859	8063	7845	7569	7085	6765	6244	5991	5151	4845	4800	4298	3200	1965
BB91	4500(1)	11250 psi	11250	10925	10585	9965	9070	8825	8515	7970	7610	7305	6740	5795	5450	5400	4835	3600	2211

(1) Standard Rating  
(2) Interpolated Rating

NOTE: Working Pressures are in accordance with ASME/ANSI B16.34-1996; Standard Class Interpolated Ratings.  
F-22 Limited Class 2250, 3100 & 4000 are available upon request.

\* Add SW or BW to complete Model Number.



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