

Pressure-Temperature Ratings

ANSI B16.34 (1977)

STANDARD CLASS VALVES

CLASS 150

TEMPERATURE °F	A105*	F-11	F-22	F5	F9
-20 to 100	285	290	290	290	290
200	260	260	260	260	260
300	230	230	230	230	230
400	200	200	200	200	200
500	170	170	170	170	170
600	140	140	140	140	140
650	125	125	125	125	125
700	110	110	110	110	110
750	95	95	95	95	95
800	80	80	80	80	80
850	65	65	65	65	65
900	50	50	50	50	50
950	35	35	35	35	35
1000	20	20	20	20	20
1050	—	—	—	—	—
1100	—	—	—	—	—
1150	—	—	—	—	—
1200	—	—	—	—	—

CLASS 300

TEMPERATURE °F	A105*	F-11	F-22	F5	F9
-20 to 100	740	750	750	750	750
200	675	710	715	750	750
300	655	675	675	730	730
400	635	660	650	705	705
500	600	640	640	665	665
600	550	605	605	605	605
650	535	590	590	590	590
700	535	570	570	570	570
750	505	530	530	530	530
800	410	510	510	500	510
850	270	484	484	440	485
900	170	450	450	335	450
950	105	380	380	260	370
1000	50	225	270	190	290
1050	—	140	200	140	190
1100	—	95	115	105	115
1150	—	—	105	70	75
1200	—	—	55	45	50

CLASS 600

TEMPERATURE °F	A105*	F-11	F-22	F5	F9
-20 to 100	1480	1500	1500	1500	1500
200	1350	1425	1430	1500	1500
300	1315	1345	1355	1455	1455
400	1270	1315	1295	1410	1410
500	1200	1285	1280	1330	1330
600	1095	1210	1210	1210	1210
650	1075	1175	1175	1175	1175
700	1065	1135	1135	1135	1135
750	1010	1065	1065	1065	1065
800	825	1015	1015	995	1015
850	535	975	975	880	975
900	345	900	900	705	900
950	205	755	755	520	740
1000	105	445	535	385	585
1050	—	275	400	280	380
1100	—	190	225	205	225
1150	—	—	205	140	150
1200	—	—	110	90	105

CLASS 800 (API 602)

TEMPERATURE °F	A105*	F-11	F-22	F5	F9
-20 to 100	2000	2000	2000	2000	2000
200	1940	1940	1940	1940	1940
300	1895	1895	1895	1895	1895
400	1850	1850	1850	1850	1850
500	1735	1735	1735	1735	1735
600	1540	1540	1540	1540	1540
650	1430	1430	1430	1430	1430
700	1305	1340	1340	1340	1340
750	1180	1245	1245	1275	1275
800	1015	1155	1155	1155	1155
850	800	1060	1060	1060	1060
900	600	970	970	970	970
950	425	880	880	880	880
1000	235	740	790	695	790
1050	—	520	600	495	600
1100	—	380	420	310	420
1150	—	—	245	205	245
1200	—	—	155	130	155

CLASS 1500

TEMPERATURE °F	A105*	F-11	F-22	F5	F9
-20 to 100	3750	3750	3750	3750	3750
200	3375	3560	3580	3750	3750
300	3280	3365	3385	3640	3640
400	3170	3290	3240	3530	3530
500	2995	3210	3200	3225	3225
600	2735	3025	3025	3025	3025
650	2685	2940	2940	2940	2940
700	2665	2840	2840	2840	2840
750	2520	2660	2660	2660	2660
800	2060	2540	2540	2485	2540
850	1340	2435	2435	2195	2435
900	860	2245	2245	1765	2245
950	515	1885	1885	1305	1850
1000	260	1115	1340	960	1460
1050	—	685	995	705	945
1100	—	480	565	515	565
1150	—	—	515	345	380
1200	—	—	275	225	260

CLASS 2500

TEMPERATURE °F	A105*	F-11	F-22	F5	F9
-20 to 100	6170	6250	6250	6250	6250
200	5625	5930	5965	6250	6250
300	5470	5605	5640	6070	6070
400	5280	5485	5400	5880	5880
500	4990	5350	5330	5540	5540
600	4560	5040	5040	5040	5040
650	4475	4905	4905	4905	4905
700	4440	4730	4730	4730	4730
750	4200	4430	4430	4430	4430
800	3430	4230	4230	4145	4230
850	2230	4060	4060	3660	4060
900	1430	3745	3745	2945	3745
950	860	3145	3145	2170	3085
1000	430	1860	2230	1600	2430
1050	—	1145	1660	1170	1570
1100	—	800	945	860	945
1150	—	430	860	570	630
1200	—	285	460	370	430

* Permissible, but not recommended for prolonged usage above 800° F.