



GENERAL DESIGN BULLETIN
VALVE CLASS PRESSURE – TEMPERATURE RATINGS
 AMERICAN NATIONAL STANDARDS INSTITUTE
 ANSI B16.5

ANSI Class	150 lb.	300 lb.	400 lb.	600 lb.	900 lb.	1500 lb.	2500 lb.
Hydrostatic Test Pressure (PSIG)	450	1125	1500	2225	3350	5575	9275
Temperature °F	Maximum Allowable Non-Shock Pressure PSIG						
-20 to 100	285	740	990	1480	2220	3705	6170
200	260	675	900	1350	2025	3375	5625
300	230	655	875	1315	1970	3280	5470
400	200	635	845	1270	1900	3170	5280
500	170	600	800	1200	1795	2995	4990
600	140	550	730	1095	1640	2735	4560
650	125	535	715	1075	1610	2685	4475
700	110	535	710	1065	1600	2665	4440
750	95	505	670	1010	1510	2520	4200
800	80	410	550	825	1235	2060	3430
850	65	270	355	535	805	1340	2230
900	50	170	230	345	515	860	1430
950	35	105	140	205	310	515	860
1000	20	50	70	105	155	260	430

NOTES:

- Flanges of ANSI B16.5 shall not be used for higher ratings except where it is justified by the design methods of the code.
- Ratings are maximum allowable non-shock working pressures expressed as gage pressure, at the tabulated temperatures and may be interpolated between temperatures shown.