

Pressure Data for Red Brass Pipe — Table VII

For metal temperatures up to and NOT EXCEEDING 100°F. Safe working pressure shown in Lbs/Sq. In. for plain ends and threaded ends, by nominal pipe size.

REGULAR						
Size (In.)	O.D. (In.)	Wall Thickness (In.)	I.D. (In.)	I.D. Area (Sq. In.)	Safe Working Pressure Plain Ends (Lbs/Sq. In.)	Safe Working Pressure Threaded Ends (Lbs/Sq. In.)
1/8	0.405	0.062	0.281	0.062	2640	370
1/4	0.540	0.082	0.376	0.110	2610	870
3/8	0.675	0.090	0.495	0.192	2280	890
1/2	0.840	0.107	0.626	0.307	2160	900
3/4	1.050	0.114	0.822	0.531	1800	810
1	1.315	0.126	1.063	0.887	1580	630
1 1/4	1.660	0.146	1.368	1.47	1440	690
1 1/2	1.900	0.150	1.600	2.01	1280	630
2	2.375	0.156	2.063	3.34	1050	540
2 1/2	2.875	0.187	2.501	4.91	1040	450
3	3.500	0.219	3.062	7.37	1000	510
3 1/2	4.000	0.250	3.500	9.62	1000	570
4	4.500	0.250	4.000	12.6	880	510
5	5.562	0.250	5.062	20.1	710	410
6	6.625	0.250	6.125	29.5	600	340
8	8.625	0.312	8.001	50.3	560	360
10	10.750	0.365	10.020	78.8	520	360
12	12.750	0.375	12.000	113.0	450	320

EXTRA STRONG						
Size (In.)	O.D. (In.)	Wall Thickness (In.)	I.D. (In.)	I.D. Area (Sq. In.)	Safe Working Pressure Plain Ends (Lbs/Sq. In.)	Safe Working Pressure Threaded Ends (Lbs/Sq. In.)
1/8	0.405	0.100	0.205	0.033	4630	1960
1/4	0.540	0.123	0.294	0.068	4200	2210
3/8	0.675	0.127	0.421	0.139	3360	1840
1/2	0.840	0.149	0.542	0.231	3130	1760
3/4	1.050	0.157	0.736	0.425	2560	1510
1	1.315	0.182	0.951	0.710	2360	1340
1 1/4	1.660	0.194	1.272	1.27	1950	1160
1 1/2	1.900	0.204	1.494	1.75	1770	1000
2	2.375	0.221	1.933	2.94	1520	1000
2 1/2	2.875	0.280	2.315	4.21	1600	970
3	3.500	0.304	2.892	6.57	1420	910
3 1/2	4.000	0.321	3.358	8.86	1300	860
4	4.500	0.341	3.818	11.5	1230	840
5	5.562	0.375	4.812	18.2	1080	770
6	6.625	0.437	5.751	26.0	1060	800
8	8.625	0.500	7.625	45.7	910	710
10	10.750	0.500	9.750	74.7	710	550

Notes

- Safe working pressures apply only to metal temperatures up to and not exceeding 100°F; derate for higher operating temperatures per applicable code.
- Source: transcribed from a scanned reference document (Table VII, Pressure Data for Red Brass Pipe). Some figures on the original were faint or partially illegible and were read as carefully as possible — verify against the original, mill certification, or governing standard before use in fabrication or procurement specifications.