

**MASSA VOLUMICA DELL'ARIA SECCA  
IN kg/m<sup>3</sup> PER TEMPERATURE DA 0°C  
A 300°C E PRESSIONI DA 0 A 25 bar**

**VOLUMETRIC MASS OF DRY AIR  
IN kg/m<sup>3</sup> FOR TEMPERATURES  
FROM 0°C TO 300°C AND PRESSURES  
FROM 0 TO 25 bar**

°C	Pressione al manometro (bar) / Gauge pressure (bar)										
	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
0	1.293	1.931	2.569	3.207	3.845	4.483	5.121	5.759	6.397	7.036	7.674
10	1.247	1.863	2.478	3.094	3.709	4.325	4.941	5.556	6.172	6.787	7.403
20	1.205	1.799	2.394	2.988	3.583	4.177	4.772	5.367	5.961	6.556	7.150
30	1.165	1.740	2.315	2.890	3.465	4.040	4.615	5.189	5.764	6.339	6.914
40	1.128	1.684	2.241	2.798	3.354	3.911	4.467	5.024	5.580	6.137	6.693
50	1.093	1.632	2.172	2.711	3.250	3.790	4.329	4.868	5.408	5.947	6.486
60	1.060	1.583	2.106	2.630	3.153	3.676	4.199	4.722	5.245	5.768	6.292
70	1.029	1.537	2.045	2.553	3.061	3.569	4.077	4.585	5.092	5.600	6.108
80	1.000	1.494	1.987	2.481	2.974	3.468	3.961	4.455	4.948	5.442	5.935
90	0.973	1.453	1.932	2.412	2.892	3.372	3.852	4.332	4.812	5.292	5.772
100	0.947	1.414	1.881	2.348	2.815	3.282	3.749	4.216	4.683	5.150	5.617
110	0.922	1.377	1.832	2.286	2.741	3.196	3.651	4.106	4.561	5.016	5.471
120	0.898	1.342	1.785	2.228	2.672	3.115	3.558	4.002	4.445	4.888	5.331
130	0.876	1.308	1.741	2.173	2.605	3.038	3.470	3.902	4.335	4.767	5.199
140	0.855	1.277	1.699	2.120	2.542	2.964	3.386	3.808	4.230	4.651	5.073
150	0.835	1.247	1.658	2.070	2.482	2.894	3.306	3.718	4.130	4.542	4.953
160	0.815	1.218	1.620	2.023	2.425	2.827	3.230	3.632	4.034	4.437	4.839
170	0.797	1.190	1.584	1.977	2.370	2.763	3.157	3.550	3.943	4.337	4.730
180	0.779	1.164	1.549	1.933	2.318	2.702	3.087	3.472	3.856	4.241	4.626
190	0.763	1.139	1.515	1.891	2.268	2.644	3.020	3.397	3.773	4.149	4.526
200	0.746	1.115	1.483	1.852	2.220	2.588	2.957	3.325	3.693	4.062	4.430
220	0.716	1.070	1.423	1.776	2.130	2.483	2.837	3.190	3.543	3.897	4.250
240	0.688	1.023	1.368	1.707	2.047	2.386	2.726	3.066	3.405	3.745	4.085
260	0.662	0.989	1.316	1.643	1.970	2.297	2.624	2.951	3.278	3.605	3.931
280	0.639	0.954	1.269	1.584	1.899	2.214	2.529	2.844	3.159	3.474	3.789
300	0.616	0.920	1.224	1.528	1.833	2.137	2.441	2.745	3.049	3.353	3.657

°C	Pressione al manometro (bar) / Gauge pressure (bar)										
	6	7	8	9	10	12	14	16	18	20	25
0	8.950	10.226	11.502	12.778	14.054	16.606	19.159	21.711	24.263	26.815	33.196
10	8.634	9.865	11.096	12.327	13.558	16.020	18.482	20.944	23.406	25.868	32.024
20	8.339	9.528	10.717	11.906	13.095	15.473	17.852	20.230	22.608	24.986	30.931
30	8.064	9.214	10.364	11.514	12.663	14.963	17.263	19.562	21.862	24.162	29.911
40	7.807	8.920	10.033	11.146	12.259	14.485	16.711	18.938	21.164	23.390	28.956
50	7.565	8.644	9.722	10.801	11.880	14.037	16.194	18.352	20.509	22.666	28.060
60	7.338	8.384	9.430	10.470	11.523	13.616	15.708	17.80	19.893	21.986	27.217
70	7.124	8.140	9.156	10.171	11.187	13.219	15.250	17.280	19.314	21.345	26.424
80	6.922	7.909	8.896	9.883	10.870	12.845	14.819	16.793	18.767	20.741	25.676
90	6.732	7.692	8.651	9.611	10.571	12.491	14.411	16.330	18.250	20.170	24.969
100	6.551	7.485	8.420	9.354	10.288	12.156	14.024	15.893	17.761	19.629	24.300
110	6.380	7.290	8.200	9.110	10.019	11.839	13.658	15.478	17.297	19.117	23.666
120	6.218	7.105	7.991	8.878	9.764	11.538	13.311	15.084	16.857	18.631	23.064
130	6.064	6.928	7.793	8.658	9.522	11.252	12.981	14.710	16.439	18.168	22.492
140	5.917	6.761	7.604	8.448	9.292	10.979	12.667	14.354	16.041	17.729	21.947
150	5.777	6.601	7.425	8.248	9.072	10.720	12.367	14.015	15.662	17.310	21.429
160	5.644	6.449	7.253	8.058	8.863	10.472	12.082	13.691	15.301	16.910	20.934
170	5.516	6.303	7.090	7.876	8.663	10.236	11.809	13.382	14.955	16.529	20.461
180	5.395	6.164	6.933	7.702	8.472	10.010	11.548	13.087	14.625	16.164	20.010
190	5.278	6.031	6.783	7.536	8.289	9.794	11.299	12.804	14.310	15.815	19.578
200	5.167	5.903	6.640	7.377	8.114	9.587	11.060	12.534	14.007	15.481	19.164
220	4.957	5.664	6.371	7.078	7.784	9.198	10.612	12.025	13.439	14.853	18.387
240	4.764	5.443	6.123	6.802	7.481	8.840	10.198	11.557	12.915	14.274	17.670
260	4.585	5.443	5.893	6.547	7.200	8.508	9.816	11.123	12.431	13.738	17.007
280	4.419	5.050	5.680	6.310	6.940	8.200	9.461	10.721	11.981	13.242	16.392
300	4.265	4.873	5.482	6.090	6.698	7.914	9.131	10.347	11.563	12.780	15.820

Nota - Per calcolare la massa volumica di altri gas moltiplicare i valori di tabella per la densità del gas relativa all'aria (aria=1)

N.B. - To calculate the volumetric mass of other gases, multiply the table values by the density of the gas relative to air (air =1)

N.B. Bear in mind that when reading the tables, the values are given with the European decimal notation; for English readers the comma should be taken as the decimal point.