

# Steam Table

Pressure bar g	Sat Temp °C	"Enthalpy of Water (hf)" kJ/kg	"Enthalpy of Evap (hfg)" kJ/kg	"Enthalpy of Steam (hg)" kJ/kg	Density kg/m <sup>3</sup>	"Specific Volume (vg)" m <sup>3</sup> /kg
0.0	100.0	419.1	2,257	2,676	0.598	1.6736
0.1	102.7	430.3	2,250	2,680	0.653	1.5326
0.2	105.1	440.8	2,243	2,684	0.707	1.4141
0.3	107.4	450.5	2,237	2,687	0.762	1.3131
0.4	109.6	459.7	2,231	2,691	0.816	1.2260
0.5	111.6	468.3	2,225	2,694	0.870	1.1500
0.6	113.6	476.5	2,220	2,697	0.923	1.0832
0.7	115.4	484.3	2,215	2,699	0.977	1.0239
0.8	117.2	491.8	2,210	2,702	1.030	0.9710
0.9	118.8	498.9	2,206	2,705	1.083	0.9234
1.0	120.4	505.7	2,201	2,707	1.136	0.8804
1.1	122.0	512.3	2,197	2,709	1.189	0.8413
1.2	123.5	518.6	2,193	2,711	1.241	0.8057
1.3	124.9	524.7	2,189	2,713	1.294	0.7730
1.4	126.3	530.6	2,185	2,715	1.346	0.7430
1.5	127.6	536.3	2,181	2,717	1.398	0.7152
1.6	128.9	541.8	2,177	2,719	1.450	0.6896
1.7	130.2	547.1	2,174	2,721	1.502	0.6657
1.8	131.4	552.3	2,170	2,722	1.554	0.6435
1.9	132.6	557.4	2,167	2,724	1.606	0.6228
2.0	133.7	562.3	2,163	2,726	1.657	0.6034
2.1	134.8	567.1	2,160	2,727	1.709	0.5852
2.2	135.9	571.7	2,157	2,728	1.760	0.5681
2.3	137.0	576.3	2,154	2,730	1.812	0.5520
2.4	138.0	580.7	2,151	2,731	1.863	0.5368
2.5	139.0	585.1	2,148	2,733	1.914	0.5224
2.6	140.0	589.3	2,145	2,734	1.965	0.5088
2.7	141.0	593.5	2,142	2,735	2.016	0.4959
2.8	141.9	597.6	2,139	2,736	2.067	0.4837
2.9	142.9	601.5	2,136	2,738	2.118	0.4721
3.0	143.8	605.5	2,133	2,739	2.169	0.4610
3.1	144.7	609.3	2,131	2,740	2.220	0.4505
3.2	145.5	613.0	2,128	2,741	2.271	0.4404
3.3	146.4	616.7	2,125	2,742	2.321	0.4308
3.4	147.2	620.4	2,123	2,743	2.372	0.4216
3.5	148.0	623.9	2,120	2,744	2.422	0.4128
3.6	148.9	627.4	2,118	2,745	2.473	0.4044
3.7	149.7	630.9	2,115	2,746	2.523	0.3963
3.8	150.4	634.2	2,113	2,747	2.574	0.3885
3.9	151.2	637.6	2,110	2,748	2.624	0.3811
4.0	152.00	640.8	2,108	2,749	2.674	0.3739
4.1	152.7	644.1	2,106	2,750	2.725	0.3670
4.2	153.4	647.3	2,103	2,751	2.775	0.3604
4.3	154.2	650.4	2,101	2,751	2.825	0.3540
4.4	154.9	653.5	2,099	2,752	2.875	0.3478
4.5	155.6	656.5	2,096	2,753	2.925	0.3419
4.6	156.3	659.5	2,094	2,754	2.975	0.3419
4.7	157.0	662.5	2,092	2,755	3.025	0.3306
4.8	157.6	665.4	2,090	2,755	3.075	0.3252
4.9	158.3	668.3	2,088	2,756	3.125	0.3200

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5.0	158.9	671.1	2,086	2,757	3.175	0.3150
5.5	162.1	684.8	2,075	2,760	3.424	0.2921
6.0	165.1	697.7	2,066	2,763	3.672	0.2723
6.5	167.9	709.9	2,056	2,766	3.920	0.2551
7.0	170.5	721.6	2,047	2,769	4.167	0.2400
7.5	173.0	732.6	2,039	2,771	4.413	0.2266
8.0	175.5	743.2	2,030	2,774	4.660	0.2146
8.5	177.8	753.4	2,022	2,776	4.905	0.2039
9.0	180.0	763.2	2,015	2,778	5.151	0.1941
9.5	182.1	772.6	2,007	2,780	5.396	0.1853
10.0	184.2	781.7	2,000	2,781	5.641	0.1773
10.5	186.1	790.4	1,992	2,783	5.886	0.1699
11.0	188.0	798.9	1,985	2,784	6.131	0.1631
11.5	189.9	807.2	1,979	2,786	6.376	0.1568
12.0	191.7	815.2	1,972	2,787	6.620	0.1511
12.5	193.4	822.9	1,965	2,788	6.865	0.1457
13.0	195.1	830.5	1,959	2,789	7.109	0.1407
13.5	196.8	837.9	1,953	2,791	7.354	0.1360
14.0	198.4	845.1	1,946	2,792	7.598	0.1316
14.5	199.9	852.1	1,940	2,793	7.843	0.1275
15.0	201.5	858.9	1,934	2,793	8.087	0.1236
15.5	202.9	865.6	1,929	2,794	8.332	0.1200
16.0	204.4	872.2	1,923	2,795	8.577	0.1166
16.5	205.8	878.6	1,917	2,796	8.822	0.1134
17.0	207.2	884.9	1,912	2,796	9.067	0.1103
17.5	208.5	891.1	1,906	2,797	9.312	0.1074
18.0	209.9	897.1	1,901	2,798	9.557	0.1046
18.5	211.2	903.0	1,895	2,798	9.802	0.1020
19.0	212.5	908.9	1,890	2,799	10.048	0.0995
19.5	213.7	914.6	1,885	2,799	10.294	0.0971
20.0	214.9	920.2	1,879	2,800	10.540	0.0949
21.0	217.3	931.2	1,869	2,801	11.032	0.0906
22.0	219.6	941.8	1,859	2,801	11.525	0.0868
23.0	221.9	952.1	1,850	2,802	12.019	0.0832
24.0	224.0	962.1	1,840	2,802	12.515	0.0799
25.0	226.1	971.9	1,831	2,803	13.011	0.0769
26.0	228.1	981.4	1,822	2,803	13.508	0.0740
27.0	230.1	990.6	1,813	2,803	14.007	0.0714
28.0	232.0	999.6	1,804	2,803	14.507	0.0689
29.0	233.9	1008.4	1,795	2,803	15.008	0.0666
30.0	235.7	1017.1	1,786	2,803	15.510	0.0645
31.0	237.5	1025.5	1,778	2,803	16.014	0.0624
32.0	239.3	1033.7	1,769	2,803	16.519	0.0605
33.0	241.0	1041.8	1,761	2,803	17.026	0.0587
34.0	242.6	1049.8	1,753	2,803	17.534	0.0570
35.0	244.2	1057.6	1,745	2,802	18.044	0.0554
36.0	245.8	1065.2	1,737	2,802	18.555	0.0539
37.0	247.4	1072.7	1,729	2,802	19.068	0.0524
38.0	248.9	1080.1	1,721	2,801	19.583	0.0511
39.0	250.4	1087.4	1,713	2,801	20.099	0.0498

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