

## Temperature Saturation Table for Water

T(°C)	Saturation Pressure (kPa)	Specific Enthalpy (kJ/kg)		Specific Entropy (kJ/(kg K))		Specific Volume (cm <sup>3</sup> /g)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
0.01	0.6117	0	2500.9	0	9.1555	1.00021	205991
5	0.8726	21.02	2510.1	0.07625	9.0248	1.00008	147011
10	1.2282	42.02	2519.2	0.15109	8.8998	1.00035	106303
15	1.7058	62.98	2528.3	0.22446	8.7803	1.00094	77875
20	2.3393	83.91	2537.4	0.29648	8.666	1.00184	57757
25	3.1699	104.83	2546.5	0.36722	8.5566	1.00301	43337
30	4.247	125.73	2555.5	0.43675	8.452	1.00441	32878
35	5.629	146.63	2564.5	0.50513	8.3517	1.00605	25205
40	7.3849	167.53	2573.5	0.5724	8.2555	1.00789	19515
45	9.595	188.43	2582.4	0.63861	8.1633	1.00992	15252
50	12.352	209.34	2591.3	0.70381	8.0748	1.01215	12027
55	15.762	230.26	2600.1	0.76802	7.9898	1.01455	9564.3
60	19.946	251.18	2608.8	0.83129	7.9081	1.01713	7667.2
65	25.042	272.12	2617.5	0.89365	7.8296	1.01987	6193.5
70	31.201	293.07	2626.1	0.95513	7.754	1.02277	5039.5
75	38.595	314.03	2634.6	1.0158	7.6812	1.02584	4128.9
80	47.414	335.01	2643	1.0756	7.6111	1.02905	3405.2
85	57.867	356.01	2651.3	1.1346	7.5434	1.03243	2825.8
90	70.182	377.04	2659.5	1.1929	7.4781	1.03595	2359.1
95	84.608	398.09	2667.6	1.2504	7.4151	1.03963	1980.6
100	101.42	419.17	2675.6	1.3072	7.3541	1.04346	1671.8
105	120.9	440.27	2683.4	1.3633	7.2952	1.04744	1418.4
110	143.38	461.42	2691.1	1.4188	7.2381	1.05158	1209.3
115	169.18	482.59	2698.6	1.4737	7.1828	1.05588	1035.8
120	198.67	503.81	2705.9	1.5279	7.1291	1.06033	891.21

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		Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
125	232.24	525.07	2713.1	1.5816	7.077	1.06494	770.03
130	270.28	546.38	2720.1	1.6346	7.0264	1.06971	668
135	313.23	567.74	2726.9	1.6872	6.9772	1.07465	581.73
140	361.54	589.16	2733.4	1.7392	6.9293	1.07976	508.45
145	415.68	610.64	2739.8	1.7907	6.8826	1.08504	445.96
150	476.16	632.18	2745.9	1.8418	6.8371	1.0905	392.45
155	543.5	653.79	2751.8	1.8924	6.7926	1.09615	346.46
160	618.23	675.47	2757.4	1.9426	6.7491	1.10199	306.78
165	700.93	697.24	2762.8	1.9923	6.7066	1.10803	272.43
170	792.19	719.08	2767.9	2.0417	6.665	1.11427	242.59
175	892.6	741.02	2772.7	2.0906	6.6241	1.12072	216.58
180	1002.8	763.05	2777.2	2.1392	6.584	1.1274	193.84
185	1123.5	785.19	2781.4	2.1875	6.5447	1.1343	173.9
190	1255.2	807.43	2785.3	2.2355	6.5059	1.14145	156.36
195	1398.8	829.79	2788.8	2.2832	6.4678	1.14886	140.89
200	1554.9	852.27	2792	2.3305	6.4302	1.15653	127.21
205	1724.3	874.88	2794.8	2.3777	6.393	1.16448	115.08
210	1907.7	897.63	2797.3	2.4245	6.3563	1.17272	104.29
215	2105.8	920.53	2799.3	2.4712	6.32	1.18128	94.679
220	2319.6	943.58	2800.9	2.5177	6.284	1.19017	86.092
225	2549.7	966.8	2802.1	2.564	6.2483	1.1994	78.403
230	2797.1	990.19	2802.9	2.6101	6.2128	1.20902	71.503
235	3062.5	1013.8	2803.2	2.6561	6.1775	1.21902	65.298
240	3346.9	1037.6	2803	2.702	6.1423	1.22946	59.705
245	3651.2	1061.5	2802.2	2.7478	6.1072	1.24035	54.654
250	3976.2	1085.8	2800.9	2.7935	6.0721	1.25173	50.083

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		Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
255	4322.9	1110.2	2799.1	2.8392	6.0369	1.26364	45.938
260	4692.3	1135	2796.6	2.8849	6.0016	1.27612	42.173
265	5085.3	1160	2793.5	2.9307	5.9661	1.28922	38.746
270	5503	1185.3	2789.7	2.9765	5.9304	1.303	35.621
275	5946.4	1210.9	2785.2	3.0224	5.8944	1.31751	32.766
280	6416.6	1236.9	2779.9	3.0685	5.8579	1.33284	30.153
285	6914.7	1263.2	2773.7	3.1147	5.8209	1.34907	27.756
290	7441.8	1290	2766.7	3.1612	5.7834	1.3663	25.555
295	7999.1	1317.3	2758.7	3.208	5.7451	1.38464	23.529
300	8587.9	1345	2749.6	3.2552	5.7059	1.40423	21.66
305	9209.4	1373.3	2739.4	3.3028	5.6657	1.42524	19.933
310	9865.1	1402.2	2727.9	3.351	5.6244	1.44787	18.335
315	10566	1431.8	2715.1	3.3998	5.5816	1.47236	16.851
320	11284	1462.2	2700.6	3.4494	5.5372	1.49904	15.471
325	12051	1493.5	2684.3	3.5	5.4908	1.52829	14.183
330	12858	1525.9	2666	3.5518	5.4422	1.56061	12.979
335	13707	1559.5	2645.4	3.605	5.3906	1.59671	11.847
340	14601	1594.5	2621.8	3.6601	5.3356	1.63755	10.781
345	15541	1631.5	2594.9	3.7176	5.2762	1.68456	9.769
350	16529	1670.9	2563.6	3.7784	5.211	1.74002	8.8024
355	17570	1713.7	2526.6	3.8439	5.183	1.80786	7.8684
360	18666	1761.7	2481.5	3.9167	5.0536	1.89541	6.9493
365	19821	1817.8	2422.9	4.0014	4.9497	2.0172	6.0115
370	21044	1890.7	2334.5	4.1112	4.8012	2.2152	4.9544
T <sub>c</sub> 373.946	22064	2084.3	2084.3	4.407	4.407	3.1056	3.1056