



© 1995-2023 by Isidoro Martínez

SATURATED WATER

Temperature <i>T</i> °C	Vapour Pressure <i>p_v</i> MPa	Specific volume		Specific enthalpy			Specific entropy	
		liquid <i>v_l</i> ·10 ³ m ³ /kg	vapour <i>v_v</i> ·10 ³ m ³ /kg	liquid <i>h_l</i> kJ/kg	Phase change <i>h_{lv}</i> kJ/kg	vapour <i>h_v</i> kJ/kg	liquid <i>s_l</i> kJ/(kg K)	vapour <i>s_v</i> kJ/(kg K)
0	0.000611	1.0002	206278	-0.02	2501.4	2501.3	0.0001	9.1565
4	0.000813	1.0001	157232	16.78	2491.9	2508.7	0.0610	9.0514
5	0.000872	1.0001	147120	20.98	2489.6	2510.6	0.0761	9.0257
6	0.000935	1.0001	137734	25.20	2487.2	2512.4	0.0912	9.0003
8	0.001072	1.0002	120917	33.60	2482.5	2516.1	0.1212	8.9501
10	0.001228	1.0004	106379	42.01	2477.7	2519.8	0.1510	8.9008
11	0.001312	1.0004	99857	46.20	2475.4	2521.6	0.1658	8.8765
12	0.001402	1.0005	93784	50.41	2473.0	2523.4	0.1806	8.8524
13	0.001497	1.0007	88124	54.60	2470.7	2525.3	0.1953	8.8285
14	0.001598	1.0008	82848	58.80	2468.3	2527.1	0.2099	8.8048
15	0.001705	1.0009	77926	62.99	2465.9	2528.9	0.2245	8.7814
16	0.001818	1.0011	73333	67.19	2463.6	2530.8	0.2390	8.7582
17	0.001938	1.0012	69044	71.38	2461.2	2532.6	0.2535	8.7351
18	0.002064	1.0014	65038	75.58	2458.8	2534.4	0.2679	8.7123
19	0.002198	1.0016	61293	79.77	2456.5	2536.2	0.2823	8.6897
20	0.002339	1.0018	57791	83.96	2454.1	2538.1	0.2966	8.6672
21	0.002487	1.0020	54514	88.14	2451.8	2539.9	0.3109	8.6450
22	0.002645	1.0022	51447	92.33	2449.4	2541.7	0.3251	8.6229
23	0.00281	1.0024	48574	96.52	2447.0	2543.5	0.3393	8.6011
24	0.002985	1.0027	45883	100.70	2444.7	2545.4	0.3534	8.5794
25	0.003169	1.0029	43360	104.89	2442.3	2547.2	0.3674	8.5580
26	0.003363	1.0032	40994	109.07	2439.9	2549.0	0.3814	8.5367
27	0.003567	1.0035	38774	113.25	2437.6	2550.8	0.3954	8.5156
28	0.003782	1.0037	36690	117.43	2435.2	2552.6	0.4093	8.4946
29	0.004008	1.0040	34733	121.61	2432.8	2554.5	0.4231	8.4739
30	0.004246	1.0043	32894	125.79	2430.5	2556.3	0.4369	8.4533
31	0.004496	1.0046	31165	129.97	2428.1	2558.1	0.4507	8.4329
32	0.004759	1.0050	29540	134.15	2425.7	2559.9	0.4644	8.4127
33	0.005034	1.0053	28011	138.33	2423.4	2561.7	0.4781	8.3927
34	0.005324	1.0056	26571	142.50	2421.0	2563.5	0.4917	8.3728
35	0.005628	1.0060	25216	146.68	2418.6	2565.3	0.5053	8.3531
36	0.005947	1.0063	23940	150.86	2416.2	2567.1	0.5188	8.3336
38	0.006632	1.0071	21602	159.21	2411.5	2570.7	0.5458	8.2950
40	0.007384	1.0078	19523	167.57	2406.7	2574.3	0.5725	8.2570
45	0.009593	1.0099	15258	188.45	2394.8	2583.2	0.6387	8.164
50	0.01235	1.0121	12032	209.33	2382.7	2592.1	.7038	8.0763
55	0.01576	1.0146	9568	230.23	2370.7	2600.9	.7679	7.9913
60	0.01994	1.0172	7671	251.13	2358.5	2609.6	.8312	7.9096
65	0.02505	1.0199	6197	272.06	2346.2	2618.3	.8935	7.8310
70	0.03119	1.0228	5042	292.98	2333.8	2626.8	.9549	7.7553
75	0.03858	1.0259	4131	313.93	2321.4	2635.3	1.0155	7.6824
80	0.04739	1.0291	3407	334.91	2308.8	2643.7	1.0753	7.6122
85	0.05783	1.0325	2828	355.90	2296.0	2651.9	1.1343	7.5"5
90	0.07014	1.0360	2361	376.92	2283.2	2660.1	1.1925	7.4791
95	0.08455	1.0397	1982	397.96	2270.2	2668.1	1.2500	7.4159
100	0.1014	1.0435	1673	419.04	2257.0	2676.1	1.3069	7.3549
110	0.1433	1.0516	1210.	461.30	2230.2	2691.5	1.4185	7.2387
120	0.1985	1.0603	891.9	503.71	2202.6	2706.3	1.5276	7.1296
130	0.2701	1.0697	668.5	546.31	2174.2	2720.5	1.6344	7.0269
140	0.3613	1.0797	508.9	589.13	2144.7	2733.9	1.7391	6.9299
150	0.4759	1.0905	392.8	632.20	2114.3	2746.5	1.9418	6.8379
160	0.6178	1.1020	307.1	675.55	2082.6	2758.1	1.9427	6.7502
170	0.7917	1.1143	242.8	719.21	2049.5	2768.7	2.0419	6.6663
180	1.002	1.1274	194.1	763.22	2015.0	2778.2	2.1396	6.5857
190	1.254	1.1414	156.5	807.62	1978.8	2786.4	2.2359	6.5079
200	1.554	1.1565	127.4	852.45	1940.7	2793.2	2.3309	6.4323

210	1.906	1.1726	104.4	897.76	1900.7	2798.5	2.4248	6.3585
220	2.318	1.1900	86.19	943.62	1858.5	2802.1	2.5178	6.2861
230	2.795	1.2088	71.58	990.12	1813.8	2804.0	2.6099	6.2146
240	3.344	1.2291	59.76	1037.3	1766.5	2803.8	2.7015	6.1437
250	3.973	1.2512	50.13	1085.4	1716.2	2801.5	2.7927	6.0730
260	4.688	1.2755	42.21	1134.4	1662.5	2796.6	2.8838	6.0019
270	5.499	1.3023	35.64	1184.5	1605.2	2789.7	2.9751	5.9301
280	6.412	1.3321	30.17	1236.0	1543.6	2779.6	3.0668	5.8571
290	7.436	1.3656	25.57	1289.1	1477.1	2766.2	3.1594	5.7821
300	8.581	1.4036	21.67	1344.0	1404.9	2749.0	3.2534	5.7045
320	11.27	1.4988	15.49	1461.5	1238.6	2700.1	3.4480	5.5362
340	14.59	1.6379	10.80	1594.2	1027.9	2622.0	3.6594	5.3357
360	18.65	1.8925	6.945	1760.5	720.5	2481.0	3.9147	5.0526
374.14	22.09	3.155	3.155	2099.3	0	2099.3	4.4298	4.4298