

Table 1. Vapor pressure of liquid water from 0 °C to 373 °C

T / °C	P / mmHg	P / hPa	T / °C	P / mmHg	P / hPa	T / °C	P / mmHg	P / hPa
0	4.5840	6.1115	47	79.709	106.27	95	634.61	846.08
0.01	4.58780	6.11657	48	83.834	111.77	96	658.34	877.71
1	4.9286	6.5709	49	88.147	117.52	97	682.78	910.30
2	5.2954	7.0599	50	92.648	123.52	98	707.98	943.90
3	5.6861	7.5808	51	97.343	129.78	99	733.95	978.52
4	6.1021	8.1355	52	102.24	136.31	100	760.00	1013.3
5	6.5449	8.7258	53	107.35	143.12	101	787.57	1050.0
6	7.0158	9.3536	54	112.67	150.22	102	815.86	1087.7
7	7.5164	10.021	55	118.23	157.62	103	845.12	1126.7
8	8.0482	10.730	56	124.01	165.33	104	875.06	1166.7
9	8.6130	11.483	57	130.03	173.36	105	906.07	1208.0
10	9.2123	12.282	58	136.29	181.71	106	937.92	1250.5
11	9.8483	13.130	59	142.82	190.41	107	970.60	1294.0
12	10.522	14.028	60	149.61	199.46	108	1004.42	1339.12
13	11.237	14.981	61	156.67	208.88	109	1038.92	1385.11
14	11.993	15.990	62	164.02	218.67	110	1074.56	1432.63
15	12.795	17.058	63	171.65	228.85	111	1111.20	1481.48
16	13.642	18.188	64	179.59	239.43	112	1148.74	1531.53
17	14.539	19.384	65	187.83	250.42	113	1187.42	1583.10
18	15.487	20.647	66	196.39	261.83	114	1227.25	1636.20
19	16.489	21.983	67	205.28	273.68	115	1267.98	1690.50
20	17.546	23.393	68	214.51	285.99	120	1489.14	1985.36
21	18.663	24.882	69	224.09	298.76	125	1740.93	2321.05
22	19.841	26.453	70	234.03	312.01	130	2026.10	2701.24
23	21.085	28.111	71	244.33	325.75	135	2347.26	3129.42
24	22.395	29.858	72	255.02	340.00	140	2710.92	3614.26
25	23.776	31.699	73	266.11	354.78	145	3116.76	4155.34
26	25.231	33.639	74	277.59	370.09	150	3570.48	4760.25
27	26.763	35.681	75	289.49	385.95	175	6694.08	8924.71
28	28.376	37.831	76	301.82	402.39	200	11 659.16	15 544.27
29	30.071	40.092	77	314.58	419.41	225	19 123.12	25 495.40
30	31.855	42.470	78	327.80	437.03	250	29 817.84	39 753.85
31	33.730	44.969	79	341.48	455.27	275	44 580.84	59 436.23
32	35.700	47.596	80	355.63	474.14	300	64 432.8	85 903.3
33	37.769	50.354	81	370.28	493.67	325	90 447.6	120 587
34	39.942	53.251	82	385.43	513.87	350	124 001.6	165 321.9
35	42.221	56.290	83	401.10	534.76	360	139 893.2	186 508.9
36	44.613	59.479	84	417.30	556.35	365	148 519.2	198 009.3
37	47.121	62.823	85	434.04	578.67	366	150 320.4	200 410.7
38	49.750	66.328	86	451.33	601.73	367	152 129.2	202 822.3
39	52.506	70.002	87	469.21	625.56	368	153 960.8	205 264.2
40	55.391	73.849	88	487.67	650.17	369	155 815.2	207 736.5
41	58.413	77.878	89	506.73	675.58	370	157 692.4	210 239.2
42	61.577	82.096	90	526.41	701.82	371	159 584.8	212 762.2
43	64.886	86.508	91	546.72	728.90	372	161 507.6	215 325.8
44	68.349	91.124	92	567.68	756.84	373	163 468.4	217 939.9
45	71.968	95.950	93	589.31	785.68	373.946	165 452.0	220 584.5
46	75.749	100.99	94	611.61	815.41			

Table 2. Vapor pressure of water ice from 0 °C to -80 °C

<i>T</i> °C	<i>P</i> mmHg	<i>P</i> Pa	<i>T</i> °C	<i>P</i> mmHg	<i>P</i> Pa	<i>T</i> °C	<i>P</i> mmHg	<i>P</i> Pa
0.0	4.5840	611.15	-15.0	1.2399	165.30	-30.0	0.2851	38.01
-0.5	4.3987	586.45	-15.5	1.1839	157.83	-30.5	0.2706	36.08
-1.0	4.2204	562.67	-16.0	1.1302	150.68	-31.0	0.2568	34.24
-1.5	4.0486	539.77	-16.5	1.0787	143.82	-31.5	0.2437	32.49
-2.0	3.8832	517.72	-17.0	1.0295	137.25	-32.0	0.2311	30.82
-2.5	3.7240	496.49	-17.5	0.98222	130.95	-32.5	0.2192	29.23
-3.0	3.5707	476.06	-18.0	0.93698	124.92	-33.0	0.2078	27.71
-3.5	3.4232	456.39	-18.5	0.89368	119.15	-33.5	0.1970	26.27
-4.0	3.2813	437.47	-19.0	0.85222	113.62	-34.0	0.1867	24.90
-4.5	3.1448	419.27	-19.5	0.81251	108.33	-34.5	0.1769	23.59
-5.0	3.0134	401.76	-20.0	0.77451	103.26	-35.0	0.1676	22.35
-5.5	2.8872	384.92	-20.5	0.7381	98.41	-35.5	0.1587	21.16
-6.0	2.7657	368.73	-21.0	0.7034	93.77	-36.0	0.1503	20.04
-6.5	2.6489	353.16	-21.5	0.6701	89.34	-36.5	0.1423	18.97
-7.0	2.5366	338.19	-22.0	0.6383	85.10	-37.0	0.1347	17.96
-7.5	2.4287	323.80	-22.5	0.6078	81.04	-37.5	0.1274	16.99
-8.0	2.3250	309.98	-23.0	0.5787	77.16	-38.0	0.1206	16.07
-8.5	2.2254	296.70	-23.5	0.5509	73.45	-38.5	0.1140	15.20
-9.0	2.1297	283.94	-24.0	0.5243	69.91	-39.0	0.1078	14.37
-9.5	2.0377	271.68	-24.5	0.4989	66.52	-39.5	0.1019	13.59
-10.0	1.9494	259.90	-25.0	0.4747	63.29	-40.0	0.09631	12.84
-10.5	1.8646	248.59	-25.5	0.4515	60.20	-45.0	0.05402	7.202
-11.0	1.7832	237.74	-26.0	0.4294	57.25	-50.0	0.02952	3.936
-11.5	1.7050	227.32	-26.5	0.4083	54.43	-55.0	0.01570	2.093
-12.0	1.6300	217.32	-27.0	0.3881	51.74	-60.0	0.008101	1.080
-12.5	1.5581	207.73	-27.5	0.3688	49.18	-65.0	0.00405	0.540
-13.0	1.4890	198.52	-28.0	0.3505	46.73	-70.0	0.00196	0.261
-13.5	1.4228	189.69	-28.5	0.3330	44.39	-75.0	0.000915	0.122
-14.0	1.3593	181.22	-29.0	0.3162	42.16	-80.0	0.00041	0.055
-14.5	1.2983	173.09	-29.5	0.3003	40.04			