

Pressure Saturation Table for Water

P (kPa)	Saturation Temperature (°C)	Specific Enthalpy (kJ/kg)		Specific Entropy (kJ/(kg K))		Specific Volume (cm ³ /g)	
		Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
0.61166	0.01	0	2500.9	0	9.1555	1.0021	205991
1	6.97	29.3	2513.7	0.10591	8.9749	1.00014	129178
2	17.495	73.43	2532.9	0.26056	8.7226	1.00136	66987
4	28.96	121.39	2553.7	0.42239	8.4734	1.0041	34791
6	36.159	151.48	2566.6	0.52082	8.329	1.00645	23733
8	41.509	173.84	2576.2	0.59249	8.2273	1.00848	18099
10	45.806	191.81	2583.9	0.6492	8.1488	1.01027	14670
20	60.058	251.42	2608.9	0.83202	7.9072	1.01716	7648
40	75.857	317.62	2636.1	1.0261	7.669	1.02638	3993
60	85.926	359.91	2652.9	1.1454	7.5311	1.03307	2731.7
80	93.486	391.71	2665.2	1.233	7.4339	1.0385	2087.1
100	99.606	417.5	2674.9	1.3028	7.3588	1.04315	1693.9
120	104.784	439.36	2683.1	1.3609	7.2977	1.04727	1428.4
140	109.292	458.42	2690	1.411	7.2461	1.05099	1236.6
160	113.297	475.38	2696	1.4551	7.2014	1.0544	1091.4
180	116.911	490.7	2701.4	1.4945	7.1621	1.05756	977.47
200	120.21	504.7	2706.2	1.5302	7.1269	1.06052	885.68
250	127.411	535.34	2716.5	1.6072	7.0524	1.06722	718.66
300	133.522	561.43	2724.9	1.6717	6.9916	1.07317	605.76
350	138.857	584.26	2732	1.7274	6.9401	1.07857	524.18
400	143.608	604.65	2738.1	1.7765	6.8955	1.08355	462.38
500	151.831	640.09	2748.1	1.8604	6.8207	1.09255	374.81
600	158.826	670.38	2756.1	1.9308	6.7592	1.1006	315.58

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700	164.946	697	2762.8	1.9918	6.7071	1.10796	272.77
800	170.406	720.86	2768.3	2.0457	6.6616	1.11478	240.34
900	175.35	742.56	2773	2.094	6.6213	1.12118	214.89
1000	179.878	762.52	2777.1	2.1381	6.585	1.12723	194.36
1200	187.957	798.33	2783.7	2.2159	6.5217	1.1385	163.26
1400	195.039	829.97	2788.8	2.2835	6.4675	1.14892	140.78
1600	201.37	858.46	2792.8	2.3435	6.4199	1.15868	123.74
1800	207.112	884.47	2795.9	2.3975	6.3775	1.16792	110.37
2000	212.377	908.5	2798.3	2.4468	6.339	1.17675	99.585
2500	223.95	961.91	2801.9	2.5543	6.2558	1.19743	79.949
3000	233.853	1008.3	2803.2	2.6455	6.1856	1.21669	66.664
3500	242.557	1049.8	2802.6	2.7254	6.1243	1.23497	57.058
4000	250.354	1087.5	2800.8	2.7968	6.0696	1.25256	49.776
4500	257.437	1122.2	2797.9	2.8615	6.0197	1.26965	44.059
5000	263.941	1154.6	2794.2	2.921	5.9737	1.28639	39.446
5500	269.965	1185.1	2789.7	2.9762	5.9307	1.3029	35.642
6000	275.585	1213.9	2784.6	3.0278	5.8901	1.31926	32.448
6500	280.858	1241.4	2778.9	3.0764	5.8516	1.33556	29.727
7000	285.829	1267.7	2772.6	3.1224	5.8148	1.35186	27.378
7500	290.535	1292.9	2765.9	3.1662	5.7793	1.36821	25.33
8000	295.008	1317.3	2758.7	3.2081	5.745	1.38467	23.526
8500	299.271	1340.9	2751	3.2483	5.7117	1.40128	21.923
9000	303.345	1363.9	2742.9	3.287	5.6791	1.41811	20.49
9500	307.249	1386.2	2734.4	3.3244	5.6473	1.4352	19.199
10000	310.997	1408.1	2725.5	3.3606	5.616	1.45259	18.03

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		Liquid	Vapor	Liquid	Vapor	Liquid	Vapor
11000	318.079	1450.4	2706.3	3.4303	5.5545	1.48851	15.99
12000	324.675	1491.5	2685.4	3.4967	5.4939	1.5263	14.264
13000	330.854	1531.5	2662.7	3.5608	5.4336	1.56649	12.78
14000	336.666	1571	2637.9	3.6232	5.3727	1.60974	11.485
15000	342.155	1610.2	2610.7	3.6846	5.3106	1.65695	10.338
16000	347.355	1649.7	2580.8	3.7457	5.2463	1.70944	9.3088
17000	352.293	1690	2547.5	3.8077	5.1787	1.76926	8.3709
18000	356.992	1732.1	2509.8	3.8718	5.1061	1.8398	7.5017
19000	361.473	1777.2	2466	3.9401	5.0256	1.92677	6.6773
20000	365.749	1827.2	2412.3	4.0156	4.9314	2.04	5.8652
21000	369.827	1887.6	2338.6	4.1064	4.8079	2.2055	4.9961
22000	373.705	2011.3	2173.1	4.2945	4.5446	2.7044	3.6475
Pc 22064	373.946	2084.3	2084.3	4.407	4.407	3.1056	3.1056