

Saturated Pressure Table

temperature [°C]	pressure [bar]		density [kg/m <sup>3</sup> ]		enthalpy [kJ/kg]		entropy [J/kg*K]	
	liquid	vapour	liquid	vapour	liquid	vapour	liquid	vapour
-60,0	0,512	0,416	1445,4	2,486	125,65	326,76	0,6953	1,6482
-59,0	0,541	0,440	1442,3	2,624	126,82	327,36	0,7007	1,6465
-58,0	0,572	0,466	1439,2	2,767	127,99	327,96	0,7062	1,6448
-57,0	0,604	0,493	1436,1	2,916	129,16	328,56	0,7116	1,6432
-56,0	0,638	0,521	1433,0	3,072	130,34	329,16	0,7170	1,6417
-55,0	0,672	0,551	1429,8	3,234	131,51	329,76	0,7224	1,6401
-54,0	0,709	0,582	1426,7	3,403	132,69	330,36	0,7278	1,6386
-53,0	0,747	0,614	1423,5	3,579	133,87	330,96	0,7331	1,6372
-52,0	0,786	0,647	1420,4	3,762	135,06	331,56	0,7385	1,6357
-51,0	0,828	0,682	1417,2	3,953	136,24	332,16	0,7438	1,6343
-50,0	0,870	0,719	1414,0	4,151	137,43	332,75	0,7491	1,6330
-49,0	0,915	0,757	1410,8	4,356	138,62	333,35	0,7544	1,6316
-48,0	0,962	0,796	1407,6	4,570	139,81	333,95	0,7597	1,6303
-47,0	1,010	0,838	1404,4	4,792	141,00	334,54	0,7650	1,6291
-46,0	1,060	0,881	1401,2	5,022	142,19	335,14	0,7702	1,6278
-45,0	1,112	0,925	1397,9	5,261	143,39	335,73	0,7755	1,6266
-44,0	1,166	0,972	1394,7	5,509	144,59	336,32	0,7807	1,6254
-43,0	1,222	1,020	1391,4	5,766	145,79	336,91	0,7859	1,6243
-42,0	1,280	1,070	1388,2	6,033	146,99	337,51	0,7911	1,6232
-41,0	1,341	1,122	1384,9	6,309	148,20	338,10	0,7963	1,6221
-40,0	1,403	1,177	1381,6	6,594	149,41	338,69	0,8015	1,6210
-39,0	1,468	1,233	1378,3	6,890	150,62	339,27	0,8066	1,6199
-38,0	1,535	1,291	1375,0	7,197	151,83	339,86	0,8118	1,6189
-37,0	1,604	1,351	1371,6	7,514	153,04	340,45	0,8169	1,6179
-36,0	1,676	1,414	1368,3	7,841	154,26	341,03	0,8220	1,6170
-35,0	1,751	1,478	1364,9	8,180	155,48	341,62	0,8272	1,6160
-34,0	1,828	1,545	1361,6	8,531	156,70	342,20	0,8322	1,6151
-33,0	1,907	1,615	1358,2	8,893	157,93	342,78	0,8373	1,6142
-32,0	1,989	1,687	1354,8	9,267	159,16	343,36	0,8424	1,6133
-31,0	2,074	1,761	1351,4	9,654	160,39	343,94	0,8475	1,6125
-30,0	2,161	1,838	1348,0	10,05	161,62	344,52	0,8525	1,6116
-29,0	2,252	1,917	1344,5	10,47	162,85	345,09	0,8576	1,6108
-28,0	2,345	1,999	1341,1	10,89	164,09	345,66	0,8626	1,6100
-27,0	2,441	2,084	1337,6	11,33	165,33	346,24	0,8676	1,6092
-26,0	2,540	2,172	1334,1	11,78	166,58	346,81	0,8726	1,6085
-25,0	2,643	2,262	1330,6	12,25	167,82	347,38	0,8776	1,6077
-24,0	2,748	2,355	1327,1	12,73	169,07	347,94	0,8826	1,6070
-23,0	2,857	2,451	1323,6	13,23	170,32	348,51	0,8876	1,6063
-22,0	2,968	2,550	1320,0	13,74	171,58	349,07	0,8926	1,6056
-21,0	3,084	2,653	1316,5	14,26	172,83	349,64	0,8975	1,6050
-20,0	3,202	2,758	1312,9	14,81	174,10	350,20	0,9025	1,6043

temperature [°C]	pressure [bar]		density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
	liquid	vapour	liquid	vapour	liquid	vapour	liquid	vapour
-19,0	3,324	2,867	1309,3	15,37	175,36	350,75	0,9074	1,6037
-18,0	3,449	2,978	1305,7	15,94	176,63	351,31	0,9124	1,6030
-17,0	3,578	3,093	1302,0	16,54	177,90	351,86	0,9173	1,6024
-16,0	3,711	3,212	1298,4	17,15	179,17	352,41	0,9222	1,6018
-15,0	3,847	3,334	1294,7	17,77	180,44	352,96	0,9271	1,6013
-14,0	3,987	3,459	1291,0	18,42	181,72	353,51	0,9320	1,6007
-13,0	4,131	3,589	1287,3	19,09	183,01	354,06	0,9369	1,6001
-12,0	4,279	3,721	1283,6	19,77	184,29	354,60	0,9418	1,5996
-11,0	4,431	3,858	1279,8	20,47	185,58	355,14	0,9467	1,5991
-10,0	4,586	3,998	1276,0	21,20	186,87	355,67	0,9516	1,5986
-9,0	4,746	4,142	1272,2	21,94	188,17	356,21	0,9565	1,5980
-8,0	4,910	4,290	1268,4	22,71	189,47	356,74	0,9613	1,5976
-7,0	5,078	4,442	1264,6	23,50	190,77	357,27	0,9662	1,5971
-6,0	5,251	4,598	1260,7	24,30	192,08	357,80	0,9710	1,5966
-5,0	5,427	4,759	1256,8	25,14	193,39	358,32	0,9759	1,5961
-4,0	5,609	4,923	1252,9	25,99	194,70	358,84	0,9807	1,5957
-3,0	5,794	5,092	1248,9	26,87	196,02	359,36	0,9855	1,5952
-2,0	5,985	5,265	1245,0	27,77	197,34	359,87	0,9904	1,5948
-1,0	6,180	5,443	1241,0	28,70	198,67	360,38	0,9952	1,5943
0,0	6,379	5,625	1237,0	29,65	200,00	360,89	1,0000	1,5939
1,0	6,584	5,812	1232,9	30,63	201,33	361,39	1,0048	1,5935
2,0	6,793	6,003	1228,8	31,64	202,67	361,89	1,0096	1,5931
3,0	7,007	6,199	1224,7	32,67	204,01	362,38	1,0144	1,5926
4,0	7,226	6,400	1220,6	33,73	205,36	362,88	1,0192	1,5922
5,0	7,451	6,606	1216,4	34,82	206,71	363,36	1,0240	1,5918
6,0	7,680	6,817	1212,2	35,94	208,06	363,85	1,0288	1,5914
7,0	7,914	7,033	1208,0	37,09	209,42	364,33	1,0336	1,5910
8,0	8,154	7,254	1203,8	38,27	210,79	364,80	1,0384	1,5906
9,0	8,400	7,480	1199,5	39,49	212,16	365,27	1,0432	1,5902
10,0	8,650	7,711	1195,1	40,73	213,53	365,74	1,0480	1,5898
11,0	8,906	7,948	1190,8	42,01	214,91	366,20	1,0527	1,5894
12,0	9,168	8,191	1186,4	43,33	216,29	366,65	1,0575	1,5890
13,0	9,435	8,439	1182,0	44,68	217,68	367,10	1,0623	1,5886
14,0	9,708	8,692	1177,5	46,07	219,07	367,54	1,0671	1,5882
15,0	9,987	8,952	1173,0	47,49	220,47	367,98	1,0719	1,5878
16,0	10,27	9,217	1168,4	48,95	221,87	368,42	1,0766	1,5874
17,0	10,56	9,488	1163,8	50,46	223,28	368,84	1,0814	1,5870
18,0	10,86	9,765	1159,2	52,00	224,69	369,26	1,0862	1,5866
19,0	11,16	10,05	1154,5	53,59	226,11	369,68	1,0910	1,5862
20,0	11,47	10,34	1149,8	55,22	227,53	370,09	1,0957	1,5858

temperature [°C]	pressure [bar]		density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
	liquid	vapour	liquid	vapour	liquid	vapour	liquid	vapour
21,0	11,79	10,63	1145,0	56,89	228,96	370,49	1,1005	1,5853
22,0	12,11	10,94	1140,2	58,61	230,40	370,88	1,1053	1,5849
23,0	12,44	11,24	1135,4	60,38	231,84	371,27	1,1101	1,5844
24,0	12,77	11,56	1130,4	62,20	233,29	371,65	1,1148	1,5840
25,0	13,11	11,88	1125,5	64,07	234,74	372,02	1,1196	1,5835
26,0	13,46	12,21	1120,5	65,99	236,20	372,38	1,1244	1,5831
27,0	13,81	12,54	1115,4	67,96	237,67	372,74	1,1292	1,5826
28,0	14,18	12,89	1110,3	70,00	239,15	373,09	1,1340	1,5821
29,0	14,54	13,24	1105,1	72,09	240,63	373,43	1,1388	1,5816
30,0	14,92	13,59	1099,8	74,24	242,12	373,76	1,1436	1,5810
31,0	15,30	13,96	1094,5	76,45	243,61	374,08	1,1484	1,5805
32,0	15,69	14,33	1089,1	78,73	245,12	374,39	1,1533	1,5800
33,0	16,09	14,70	1083,7	81,07	246,63	374,69	1,1581	1,5794
34,0	16,49	15,09	1078,2	83,49	248,15	374,98	1,1629	1,5788
35,0	16,90	15,48	1072,6	85,97	249,68	375,26	1,1678	1,5782
36,0	17,32	15,89	1066,9	88,54	251,22	375,53	1,1726	1,5776
37,0	17,75	16,30	1061,1	91,18	252,76	375,78	1,1775	1,5769
38,0	18,18	16,71	1055,3	93,90	254,32	376,03	1,1824	1,5763
39,0	18,62	17,14	1049,4	96,71	255,88	376,26	1,1872	1,5756
40,0	19,07	17,57	1043,4	99,61	257,46	376,48	1,1921	1,5749
41,0	19,53	18,02	1037,2	102,6	259,04	376,68	1,1971	1,5741
42,0	19,99	18,47	1031,0	105,7	260,64	376,88	1,2020	1,5734
43,0	20,47	18,93	1024,7	108,9	262,25	377,05	1,2069	1,5726
44,0	20,95	19,40	1018,3	112,2	263,87	377,21	1,2119	1,5717
45,0	21,44	19,87	1011,7	115,6	265,50	377,36	1,2169	1,5709
46,0	21,94	20,36	1005,0	119,1	267,15	377,48	1,2219	1,5700
47,0	22,45	20,86	998,18	122,8	268,80	377,59	1,2269	1,5690
48,0	22,96	21,36	991,21	126,6	270,48	377,68	1,2320	1,5680
49,0	23,49	21,88	984,10	130,5	272,17	377,75	1,2371	1,5670
50,0	24,02	22,41	976,82	134,6	273,87	377,80	1,2422	1,5659
51,0	24,56	22,94	969,37	138,8	275,59	377,83	1,2473	1,5648
52,0	25,11	23,49	961,73	143,3	277,33	377,83	1,2525	1,5636
53,0	25,67	24,04	953,90	147,8	279,09	377,80	1,2577	1,5624
54,0	26,24	24,61	945,86	152,6	280,87	377,75	1,2630	1,5610
55,0	26,82	25,19	937,59	157,6	282,67	377,67	1,2683	1,5597
56,0	27,41	25,78	929,07	162,9	284,49	377,55	1,2737	1,5582
57,0	28,00	26,38	920,27	168,4	286,34	377,40	1,2791	1,5566
58,0	28,61	26,99	911,18	174,1	288,22	377,22	1,2845	1,5550
59,0	29,23	27,61	901,76	180,1	290,13	376,99	1,2901	1,5532
60,0	29,85	28,25	891,99	186,5	292,07	376,71	1,2957	1,5514

## Saturated Pressure Table

temperature [°C]	pressure [bar]		density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
	liquid	vapour	liquid	vapour	liquid	vapour	liquid	vapour
61,0	30,49	28,90	881,80	193,3	294,05	376,39	1,3014	1,5494
62,0	31,13	29,56	871,16	200,4	296,07	376,01	1,3073	1,5472
63,0	31,79	30,23	860,01	208,0	298,14	375,56	1,3132	1,5449
64,0	32,46	30,92	848,26	216,1	300,26	375,05	1,3193	1,5424
65,0	33,13	31,63	835,83	224,8	302,44	374,45	1,3255	1,5397
66,0	33,82	32,35	822,59	234,2	304,70	373,75	1,3319	1,5367
67,0	34,51	33,08	808,38	244,5	307,05	372,95	1,3386	1,5334
68,0	35,22	33,84	792,98	255,7	309,50	372,01	1,3455	1,5298
69,0	35,93	34,61	776,08	268,2	312,08	370,90	1,3528	1,5257
70,0	36,66	35,40	757,22	282,2	314,85	369,58	1,3606	1,5210
71,0	37,39	36,22	735,67	298,4	317,85	367,97	1,3691	1,5155
72,0	38,13	37,06	710,11	317,7	321,21	365,97	1,3785	1,5089
73,0	38,86	37,93	677,83	341,9	325,19	363,33	1,3897	1,5005
74,0	39,58	38,86	631,21	375,8	330,52	359,46	1,4048	1,4886
75,0	40,15	39,94	523,18	452,3	342,26	350,41	1,4383	1,4618

Calculated by Refprop version 10.0

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