

temperature [°C]	pressure [bar]	density [kg/m ³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
-65,0	0,488	1249,1	1,507	93,50	489,38	0,5585	2,4604
-64,0	0,517	1246,5	1,591	95,08	489,94	0,5660	2,4539
-63,0	0,548	1243,8	1,680	96,65	490,48	0,5735	2,4476
-62,0	0,580	1241,1	1,772	98,22	491,03	0,5810	2,4413
-61,0	0,614	1238,4	1,869	99,80	491,57	0,5884	2,4351
-60,0	0,650	1235,7	1,969	101,38	492,11	0,5958	2,4289
-59,0	0,687	1233,0	2,074	102,95	492,64	0,6032	2,4229
-58,0	0,725	1230,3	2,183	104,53	493,17	0,6105	2,4169
-57,0	0,766	1227,6	2,297	106,11	493,70	0,6178	2,4110
-56,0	0,808	1224,9	2,415	107,70	494,22	0,6251	2,4051
-55,0	0,852	1222,1	2,538	109,28	494,74	0,6324	2,3993
-54,0	0,898	1219,4	2,667	110,86	495,26	0,6396	2,3936
-53,0	0,945	1216,7	2,800	112,45	495,77	0,6468	2,3880
-52,0	0,995	1213,9	2,938	114,04	496,27	0,6540	2,3824
-51,0	1,047	1211,1	3,082	115,63	496,78	0,6611	2,3769
-50,0	1,101	1208,4	3,232	117,22	497,27	0,6683	2,3714
-49,0	1,158	1205,6	3,387	118,81	497,77	0,6754	2,3660
-48,0	1,216	1202,8	3,548	120,41	498,26	0,6824	2,3607
-47,0	1,277	1200,0	3,715	122,00	498,74	0,6895	2,3554
-46,0	1,341	1197,2	3,888	123,60	499,23	0,6965	2,3502
-45,0	1,406	1194,4	4,067	125,20	499,70	0,7035	2,3450
-44,0	1,475	1191,5	4,253	126,80	500,17	0,7105	2,3399
-43,0	1,545	1188,7	4,446	128,40	500,64	0,7175	2,3348
-42,0	1,619	1185,9	4,645	130,01	501,11	0,7244	2,3298
-41,0	1,695	1183,0	4,852	131,62	501,56	0,7313	2,3249
-40,0	1,774	1180,2	5,065	133,23	502,02	0,7382	2,3200
-39,0	1,856	1177,3	5,286	134,84	502,47	0,7451	2,3151
-38,0	1,941	1174,4	5,515	136,45	502,91	0,7519	2,3103
-37,0	2,029	1171,5	5,751	138,07	503,35	0,7587	2,3056
-36,0	2,120	1168,6	5,995	139,69	503,78	0,7655	2,3008
-35,0	2,214	1165,7	6,248	141,31	504,21	0,7723	2,2962
-34,0	2,311	1162,8	6,508	142,93	504,63	0,7791	2,2916
-33,0	2,412	1159,8	6,778	144,56	505,05	0,7858	2,2870
-32,0	2,516	1156,9	7,056	146,18	505,46	0,7926	2,2824
-31,0	2,623	1153,9	7,343	147,81	505,87	0,7993	2,2779
-30,0	2,734	1151,0	7,639	149,45	506,27	0,8060	2,2735
-29,0	2,849	1148,0	7,945	151,08	506,67	0,8127	2,2691
-28,0	2,968	1145,0	8,260	152,72	507,06	0,8193	2,2647
-27,0	3,090	1142,0	8,585	154,36	507,45	0,8259	2,2604
-26,0	3,216	1138,9	8,920	156,01	507,82	0,8326	2,2561
-25,0	3,346	1135,9	9,266	157,66	508,20	0,8392	2,2518

temperature [°C]	pressure [bar]	density [kg/m ³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
-24,0	3,480	1132,9	9,622	159,31	508,57	0,8458	2,2476
-23,0	3,618	1129,8	9,989	160,96	508,93	0,8523	2,2434
-22,0	3,760	1126,7	10,37	162,62	509,28	0,8589	2,2392
-21,0	3,907	1123,7	10,76	164,28	509,63	0,8654	2,2351
-20,0	4,058	1120,6	11,16	165,94	509,97	0,8720	2,2310
-19,0	4,213	1117,4	11,57	167,61	510,31	0,8785	2,2269
-18,0	4,373	1114,3	12,00	169,28	510,64	0,8850	2,2229
-17,0	4,537	1111,2	12,43	170,95	510,96	0,8915	2,2189
-16,0	4,707	1108,0	12,88	172,63	511,27	0,8979	2,2149
-15,0	4,881	1104,9	13,35	174,31	511,58	0,9044	2,2109
-14,0	5,060	1101,7	13,82	175,99	511,89	0,9109	2,2070
-13,0	5,244	1098,5	14,31	177,68	512,18	0,9173	2,2031
-12,0	5,433	1095,2	14,82	179,37	512,47	0,9237	2,1992
-11,0	5,627	1092,0	15,34	181,07	512,75	0,9301	2,1954
-10,0	5,826	1088,8	15,87	182,76	513,02	0,9365	2,1915
-9,0	6,031	1085,5	16,42	184,47	513,28	0,9429	2,1877
-8,0	6,241	1082,2	16,98	186,18	513,54	0,9493	2,1839
-7,0	6,457	1078,9	17,56	187,89	513,79	0,9557	2,1802
-6,0	6,679	1075,6	18,16	189,60	514,03	0,9620	2,1764
-5,0	6,906	1072,2	18,77	191,33	514,26	0,9684	2,1727
-4,0	7,139	1068,9	19,40	193,05	514,49	0,9747	2,1690
-3,0	7,378	1065,5	20,04	194,78	514,70	0,9811	2,1653
-2,0	7,623	1062,1	20,71	196,52	514,91	0,9874	2,1616
-1,0	7,874	1058,7	21,39	198,26	515,11	0,9937	2,1580
0,0	8,131	1055,3	22,09	200,00	515,30	1,0000	2,1543
1,0	8,395	1051,8	22,81	201,75	515,48	1,0063	2,1507
2,0	8,665	1048,3	23,55	203,50	515,65	1,0126	2,1471
3,0	8,941	1044,8	24,31	205,26	515,81	1,0189	2,1434
4,0	9,225	1041,3	25,09	207,03	515,96	1,0252	2,1399
5,0	9,515	1037,7	25,89	208,80	516,11	1,0314	2,1363
6,0	9,811	1034,2	26,71	210,58	516,24	1,0377	2,1327
7,0	10,12	1030,6	27,56	212,36	516,36	1,0440	2,1291
8,0	10,43	1027,0	28,43	214,15	516,47	1,0503	2,1256
9,0	10,74	1023,3	29,32	215,94	516,57	1,0565	2,1220
10,0	11,07	1019,7	30,23	217,74	516,66	1,0628	2,1185
11,0	11,40	1016,0	31,17	219,55	516,74	1,0690	2,1149
12,0	11,74	1012,2	32,14	221,36	516,80	1,0753	2,1114
13,0	12,09	1008,5	33,13	223,18	516,86	1,0815	2,1078
14,0	12,45	1004,7	34,15	225,01	516,90	1,0878	2,1043
15,0	12,81	1000,9	35,19	226,84	516,93	1,0940	2,1008

temperature [°C]	pressure [bar]	density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
16,0	13,18	997,06	36,26	228,68	516,95	1,1003	2,0972
17,0	13,56	993,19	37,37	230,53	516,96	1,1065	2,0937
18,0	13,95	989,28	38,50	232,39	516,95	1,1128	2,0902
19,0	14,34	985,35	39,66	234,25	516,93	1,1190	2,0866
20,0	14,75	981,38	40,86	236,12	516,90	1,1253	2,0831
21,0	15,16	977,38	42,08	238,00	516,85	1,1315	2,0795
22,0	15,58	973,34	43,34	239,89	516,79	1,1378	2,0760
23,0	16,01	969,27	44,64	241,78	516,71	1,1441	2,0724
24,0	16,45	965,16	45,97	243,69	516,62	1,1503	2,0688
25,0	16,90	961,01	47,34	245,60	516,51	1,1566	2,0652
26,0	17,35	956,82	48,75	247,53	516,39	1,1629	2,0616
27,0	17,82	952,58	50,19	249,46	516,25	1,1692	2,0580
28,0	18,30	948,31	51,68	251,40	516,09	1,1755	2,0544
29,0	18,78	943,99	53,21	253,35	515,92	1,1818	2,0507
30,0	19,28	939,62	54,78	255,32	515,72	1,1881	2,0471
31,0	19,78	935,21	56,39	257,29	515,51	1,1944	2,0434
32,0	20,29	930,75	58,06	259,28	515,29	1,2007	2,0397
33,0	20,82	926,24	59,77	261,27	515,04	1,2071	2,0360
34,0	21,35	921,67	61,53	263,28	514,77	1,2134	2,0322
35,0	21,90	917,05	63,34	265,30	514,48	1,2198	2,0284
36,0	22,45	912,37	65,21	267,34	514,17	1,2262	2,0246
37,0	23,02	907,63	67,14	269,38	513,84	1,2326	2,0208
38,0	23,60	902,83	69,12	271,45	513,49	1,2391	2,0169
39,0	24,18	897,97	71,16	273,52	513,11	1,2455	2,0130
40,0	24,78	893,04	73,27	275,61	512,71	1,2520	2,0091
41,0	25,39	888,04	75,44	277,72	512,28	1,2585	2,0051
42,0	26,01	882,96	77,68	279,84	511,82	1,2650	2,0011
43,0	26,65	877,81	80,00	281,98	511,34	1,2715	1,9970
44,0	27,29	872,58	82,39	284,13	510,83	1,2781	1,9929
45,0	27,95	867,26	84,86	286,31	510,29	1,2847	1,9887
46,0	28,62	861,86	87,41	288,50	509,72	1,2914	1,9845
47,0	29,30	856,36	90,05	290,71	509,12	1,2980	1,9802
48,0	29,99	850,77	92,79	292,95	508,48	1,3048	1,9759
49,0	30,69	845,07	95,62	295,21	507,81	1,3115	1,9715
50,0	31,41	839,26	98,55	297,49	507,10	1,3183	1,9670
51,0	32,14	833,33	101,6	299,79	506,36	1,3252	1,9624
52,0	32,89	827,28	104,8	302,12	505,57	1,3321	1,9578
53,0	33,64	821,10	108,0	304,48	504,73	1,3390	1,9530
54,0	34,42	814,78	111,4	306,87	503,86	1,3461	1,9482
55,0	35,20	808,31	115,0	309,29	502,93	1,3531	1,9432

temperature [°C]	pressure [bar]	density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
56,0	36,00	801,68	118,7	311,74	501,95	1,3603	1,9382
57,0	36,81	794,88	122,6	314,22	500,92	1,3675	1,9330
58,0	37,64	787,90	126,6	316,75	499,82	1,3749	1,9277
59,0	38,48	780,71	130,8	319,32	498,67	1,3823	1,9222
60,0	39,33	773,31	135,2	321,93	497,44	1,3898	1,9166
61,0	40,20	765,67	139,9	324,59	496,14	1,3974	1,9108
62,0	41,09	757,78	144,7	327,30	494,76	1,4052	1,9048
63,0	41,99	749,60	149,9	330,07	493,29	1,4131	1,8986
64,0	42,91	741,10	155,3	332,90	491,73	1,4211	1,8922
65,0	43,84	732,26	161,1	335,80	490,05	1,4293	1,8855
66,0	44,79	723,02	167,2	338,78	488,26	1,4377	1,8785
67,0	45,76	713,34	173,8	341,85	486,33	1,4464	1,8711
68,0	46,75	703,16	180,8	345,02	484,25	1,4553	1,8634
69,0	47,75	692,39	188,4	348,31	481,99	1,4645	1,8552
70,0	48,77	680,93	196,7	351,73	479,52	1,4740	1,8464
71,0	49,81	668,66	205,8	355,32	476,80	1,4840	1,8370
72,0	50,87	655,38	215,8	359,11	473,77	1,4946	1,8268
73,0	51,95	640,82	227,1	363,15	470,35	1,5058	1,8155
74,0	53,05	624,57	240,1	367,53	466,41	1,5179	1,8027
75,0	54,17	605,89	255,6	372,39	461,72	1,5314	1,7880
76,0	55,32	583,32	275,0	378,03	455,86	1,5470	1,7699
77,0	56,49	552,89	302,4	385,26	447,64	1,5671	1,7452
78,0	57,70	484,61	367,2	400,38	428,90	1,6095	1,6907

Calculated by Refprop version 10.0

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