

temperature [°C]	pressure [bar]	density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
-20,0	0,452	621,73	1,278	154,60	556,98	0,8278	2,4173
-19,0	0,473	620,70	1,333	156,83	558,39	0,8366	2,4166
-18,0	0,494	619,67	1,389	159,06	559,79	0,8453	2,4159
-17,0	0,517	618,64	1,447	161,30	561,20	0,8541	2,4153
-16,0	0,540	617,61	1,507	163,54	562,61	0,8628	2,4147
-15,0	0,563	616,57	1,568	165,79	564,02	0,8715	2,4141
-14,0	0,588	615,53	1,632	168,04	565,43	0,8802	2,4136
-13,0	0,614	614,49	1,698	170,29	566,84	0,8888	2,4131
-12,0	0,640	613,45	1,766	172,55	568,25	0,8975	2,4127
-11,0	0,667	612,40	1,836	174,81	569,66	0,9061	2,4123
-10,0	0,696	611,35	1,908	177,08	571,08	0,9147	2,4120
-9,0	0,725	610,30	1,982	179,35	572,49	0,9233	2,4117
-8,0	0,755	609,25	2,059	181,63	573,91	0,9319	2,4114
-7,0	0,786	608,19	2,137	183,91	575,33	0,9405	2,4111
-6,0	0,818	607,14	2,219	186,19	576,75	0,9490	2,4109
-5,0	0,851	606,08	2,302	188,48	578,17	0,9576	2,4108
-4,0	0,885	605,01	2,388	190,78	579,59	0,9661	2,4107
-3,0	0,920	603,95	2,476	193,08	581,01	0,9746	2,4106
-2,0	0,956	602,88	2,567	195,38	582,43	0,9831	2,4105
-1,0	0,994	601,81	2,661	197,69	583,85	0,9915	2,4105
0,0	1,032	600,73	2,757	200,00	585,27	1,0000	2,4105
1,0	1,072	599,65	2,856	202,32	586,70	1,0084	2,4105
2,0	1,113	598,57	2,957	204,64	588,12	1,0169	2,4106
3,0	1,155	597,49	3,061	206,97	589,54	1,0253	2,4107
4,0	1,198	596,41	3,168	209,30	590,97	1,0337	2,4108
5,0	1,243	595,32	3,278	211,64	592,39	1,0421	2,4110
6,0	1,288	594,22	3,391	213,98	593,82	1,0505	2,4112
7,0	1,335	593,13	3,507	216,32	595,25	1,0588	2,4114
8,0	1,384	592,03	3,626	218,68	596,67	1,0672	2,4116
9,0	1,433	590,93	3,748	221,03	598,10	1,0755	2,4119
10,0	1,485	589,83	3,873	223,40	599,53	1,0838	2,4122
11,0	1,537	588,72	4,002	225,76	600,95	1,0922	2,4126
12,0	1,591	587,61	4,134	228,13	602,38	1,1005	2,4129
13,0	1,646	586,49	4,269	230,51	603,81	1,1087	2,4133
14,0	1,703	585,37	4,407	232,89	605,24	1,1170	2,4137
15,0	1,762	584,25	4,549	235,28	606,66	1,1253	2,4141
16,0	1,821	583,13	4,694	237,68	608,09	1,1335	2,4146
17,0	1,883	582,00	4,843	240,07	609,52	1,1418	2,4151
18,0	1,946	580,87	4,996	242,48	610,95	1,1500	2,4156
19,0	2,010	579,73	5,152	244,89	612,38	1,1582	2,4161
20,0	2,077	578,59	5,313	247,30	613,80	1,1665	2,4167

temperature [°C]	pressure [bar]	density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
21,0	2,144	577,45	5,477	249,72	615,23	1,1747	2,4173
22,0	2,214	576,30	5,644	252,15	616,66	1,1829	2,4179
23,0	2,285	575,15	5,816	254,58	618,08	1,1910	2,4185
24,0	2,358	573,99	5,992	257,02	619,51	1,1992	2,4191
25,0	2,433	572,83	6,172	259,46	620,94	1,2074	2,4198
26,0	2,510	571,67	6,357	261,91	622,36	1,2155	2,4205
27,0	2,588	570,50	6,545	264,36	623,79	1,2237	2,4212
28,0	2,668	569,33	6,738	266,82	625,21	1,2318	2,4219
29,0	2,750	568,16	6,935	269,29	626,64	1,2399	2,4226
30,0	2,834	566,98	7,137	271,76	628,06	1,2481	2,4234
31,0	2,920	565,79	7,343	274,24	629,49	1,2562	2,4242
32,0	3,008	564,60	7,554	276,72	630,91	1,2643	2,4250
33,0	3,098	563,41	7,769	279,21	632,33	1,2724	2,4258
34,0	3,190	562,21	7,990	281,71	633,75	1,2805	2,4266
35,0	3,284	561,01	8,215	284,21	635,17	1,2885	2,4274
36,0	3,380	559,80	8,445	286,72	636,59	1,2966	2,4283
37,0	3,478	558,59	8,681	289,24	638,01	1,3047	2,4292
38,0	3,578	557,37	8,921	291,76	639,42	1,3127	2,4301
39,0	3,680	556,15	9,167	294,28	640,84	1,3208	2,4310
40,0	3,785	554,92	9,418	296,82	642,25	1,3288	2,4319
41,0	3,892	553,68	9,674	299,36	643,67	1,3369	2,4329
42,0	4,001	552,45	9,936	301,90	645,08	1,3449	2,4338
43,0	4,112	551,20	10,20	304,46	646,49	1,3529	2,4348
44,0	4,226	549,95	10,48	307,02	647,90	1,3609	2,4358
45,0	4,342	548,70	10,76	309,58	649,31	1,3689	2,4367
46,0	4,460	547,44	11,04	312,15	650,71	1,3769	2,4378
47,0	4,581	546,17	11,33	314,73	652,12	1,3849	2,4388
48,0	4,704	544,90	11,63	317,32	653,52	1,3929	2,4398
49,0	4,829	543,62	11,93	319,91	654,92	1,4009	2,4408
50,0	4,958	542,34	12,24	322,51	656,32	1,4089	2,4419
51,0	5,088	541,05	12,56	325,12	657,72	1,4169	2,4429
52,0	5,221	539,75	12,88	327,74	659,11	1,4249	2,4440
53,0	5,357	538,45	13,21	330,36	660,50	1,4328	2,4451
54,0	5,496	537,14	13,54	332,98	661,89	1,4408	2,4462
55,0	5,637	535,83	13,89	335,62	663,28	1,4488	2,4473
56,0	5,780	534,50	14,24	338,26	664,67	1,4567	2,4484
57,0	5,927	533,18	14,59	340,91	666,05	1,4647	2,4495
58,0	6,076	531,84	14,96	343,57	667,43	1,4726	2,4506
59,0	6,228	530,50	15,33	346,24	668,81	1,4806	2,4518
60,0	6,382	529,15	15,71	348,91	670,19	1,4885	2,4529

temperature [°C]	pressure [bar]	density [kg/m ³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
61,0	6,540	527,79	16,10	351,59	671,56	1,4965	2,4540
62,0	6,700	526,42	16,49	354,28	672,93	1,5044	2,4552
63,0	6,864	525,05	16,89	356,97	674,30	1,5124	2,4564
64,0	7,030	523,67	17,31	359,67	675,66	1,5203	2,4575
65,0	7,199	522,28	17,72	362,39	677,02	1,5282	2,4587
66,0	7,371	520,89	18,15	365,11	678,38	1,5362	2,4599
67,0	7,547	519,48	18,59	367,83	679,73	1,5441	2,4610
68,0	7,725	518,07	19,03	370,57	681,08	1,5520	2,4622
69,0	7,906	516,65	19,49	373,31	682,43	1,5600	2,4634
70,0	8,091	515,22	19,95	376,06	683,77	1,5679	2,4646
71,0	8,279	513,78	20,42	378,82	685,11	1,5758	2,4658
72,0	8,469	512,33	20,91	381,59	686,44	1,5837	2,4670
73,0	8,664	510,88	21,40	384,37	687,77	1,5917	2,4682
74,0	8,861	509,41	21,90	387,16	689,09	1,5996	2,4693
75,0	9,062	507,93	22,41	389,95	690,41	1,6075	2,4705
76,0	9,266	506,45	22,94	392,75	691,73	1,6154	2,4717
77,0	9,473	504,95	23,47	395,57	693,04	1,6234	2,4729
78,0	9,684	503,45	24,01	398,39	694,35	1,6313	2,4741
79,0	9,898	501,93	24,57	401,22	695,65	1,6392	2,4753
80,0	10,12	500,40	25,14	404,06	696,94	1,6471	2,4765
81,0	10,34	498,86	25,72	406,91	698,23	1,6551	2,4777
82,0	10,56	497,31	26,31	409,77	699,51	1,6630	2,4788
83,0	10,79	495,75	26,91	412,64	700,79	1,6710	2,4800
84,0	11,02	494,18	27,52	415,52	702,06	1,6789	2,4812
85,0	11,26	492,59	28,15	418,40	703,32	1,6868	2,4824
86,0	11,50	490,99	28,79	421,30	704,58	1,6948	2,4835
87,0	11,74	489,38	29,45	424,21	705,83	1,7027	2,4847
88,0	11,99	487,76	30,12	427,13	707,07	1,7107	2,4858
89,0	12,24	486,12	30,80	430,06	708,30	1,7186	2,4869
90,0	12,49	484,47	31,49	433,00	709,53	1,7266	2,4881
91,0	12,75	482,81	32,21	435,95	710,75	1,7346	2,4892
92,0	13,01	481,13	32,93	438,91	711,96	1,7425	2,4903
93,0	13,28	479,43	33,68	441,89	713,16	1,7505	2,4914
94,0	13,55	477,72	34,43	444,87	714,35	1,7585	2,4925
95,0	13,83	476,00	35,21	447,87	715,53	1,7665	2,4936
96,0	14,10	474,26	36,00	450,88	716,70	1,7745	2,4946
97,0	14,39	472,50	36,81	453,89	717,87	1,7825	2,4957
98,0	14,67	470,72	37,64	456,93	719,02	1,7905	2,4967
99,0	14,96	468,93	38,49	459,97	720,16	1,7986	2,4977
100,0	15,26	467,12	39,35	463,03	721,29	1,8066	2,4987

temperature [°C]	pressure [bar]	density [kg/m ³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
101,0	15,56	465,29	40,24	466,10	722,41	1,8146	2,4997
102,0	15,86	463,44	41,14	469,18	723,51	1,8227	2,5006
103,0	16,17	461,57	42,07	472,28	724,61	1,8308	2,5016
104,0	16,48	459,68	43,02	475,39	725,69	1,8388	2,5025
105,0	16,80	457,77	43,99	478,51	726,75	1,8469	2,5034
106,0	17,12	455,84	44,99	481,65	727,81	1,8550	2,5042
107,0	17,45	453,88	46,01	484,80	728,84	1,8631	2,5051
108,0	17,78	451,90	47,05	487,97	729,87	1,8713	2,5059
109,0	18,12	449,89	48,12	491,16	730,87	1,8794	2,5067
110,0	18,46	447,86	49,22	494,36	731,86	1,8876	2,5075
111,0	18,80	445,81	50,34	497,57	732,84	1,8958	2,5082
112,0	19,15	443,72	51,50	500,81	733,79	1,9040	2,5089
113,0	19,51	441,61	52,68	504,06	734,73	1,9122	2,5096
114,0	19,87	439,46	53,90	507,32	735,65	1,9204	2,5102
115,0	20,23	437,29	55,14	510,61	736,54	1,9287	2,5108
116,0	20,60	435,08	56,43	513,92	737,42	1,9370	2,5113
117,0	20,98	432,83	57,75	517,24	738,27	1,9453	2,5118
118,0	21,36	430,55	59,10	520,59	739,10	1,9536	2,5123
119,0	21,74	428,24	60,50	523,95	739,91	1,9620	2,5127
120,0	22,13	425,88	61,94	527,34	740,69	1,9704	2,5130
121,0	22,53	423,48	63,42	530,75	741,44	1,9788	2,5134
122,0	22,93	421,04	64,94	534,19	742,16	1,9873	2,5136
123,0	23,34	418,55	66,52	537,65	742,86	1,9958	2,5138
124,0	23,75	416,01	68,14	541,13	743,52	2,0043	2,5139
125,0	24,17	413,42	69,82	544,65	744,15	2,0129	2,5140
126,0	24,59	410,78	71,55	548,19	744,74	2,0215	2,5139
127,0	25,02	408,07	73,35	551,76	745,29	2,0302	2,5138
128,0	25,46	405,30	75,21	555,37	745,80	2,0389	2,5137
129,0	25,90	402,47	77,14	559,00	746,27	2,0477	2,5134
130,0	26,34	399,56	79,14	562,68	746,70	2,0566	2,5130
131,0	26,80	396,57	81,23	566,39	747,07	2,0655	2,5125
132,0	27,26	393,50	83,39	570,15	747,39	2,0745	2,5119
133,0	27,72	390,34	85,65	573,94	747,64	2,0835	2,5112
134,0	28,20	387,07	88,01	577,79	747,84	2,0927	2,5104
135,0	28,67	383,70	90,48	581,69	747,97	2,1020	2,5094
136,0	29,16	380,20	93,07	585,65	748,02	2,1113	2,5082
137,0	29,65	376,57	95,79	589,66	747,99	2,1208	2,5068
138,0	30,15	372,80	98,65	593,75	747,86	2,1305	2,5053
139,0	30,66	368,85	101,7	597,92	747,64	2,1402	2,5035
140,0	31,17	364,71	104,9	602,17	747,29	2,1502	2,5015

temperature [°C]	pressure [bar]	density [kg/m³]		enthalpy [kJ/kg]		entropy [J/kg*K]	
		liquid	vapour	liquid	vapour	liquid	vapour
141,0	31,69	360,35	108,3	606,53	746,82	2,1604	2,4991
142,0	32,22	355,75	112,0	610,99	746,19	2,1708	2,4965
143,0	32,76	350,84	115,9	615,60	745,39	2,1815	2,4934
144,0	33,30	345,57	120,2	620,36	744,38	2,1926	2,4899
145,0	33,85	339,87	124,9	625,32	743,11	2,2041	2,4858
146,0	34,41	333,63	130,1	630,52	741,53	2,2161	2,4809
147,0	34,98	326,67	135,9	636,04	739,55	2,2288	2,4752
148,0	35,56	318,74	142,7	642,00	737,01	2,2426	2,4682
149,0	36,15	309,38	150,7	648,60	733,67	2,2578	2,4593
150,0	36,75	297,67	161,0	656,27	729,00	2,2755	2,4474
151,0	37,35	280,96	176,0	666,23	721,52	2,2985	2,4288

Calculated by Refprop version 10.0

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revised 10.01.2020

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IBAN: DE707907001600202804 00
 BIC: DEUTDEMM790