

Temperatur [°C]	Druck [bar]		Dichte [kg/m ³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-60,0	0,496	0,418	616,40	1,044	62,72	508,98	0,4374	2,5539
-59,0	0,523	0,441	615,25	1,098	64,87	510,14	0,4475	2,5491
-58,0	0,550	0,465	614,09	1,154	67,03	511,30	0,4575	2,5445
-57,0	0,579	0,490	612,93	1,212	69,19	512,46	0,4675	2,5400
-56,0	0,608	0,517	611,76	1,272	71,36	513,62	0,4775	2,5356
-55,0	0,639	0,544	610,59	1,334	73,53	514,77	0,4874	2,5312
-54,0	0,672	0,573	609,42	1,399	75,70	515,93	0,4974	2,5269
-53,0	0,705	0,602	608,25	1,467	77,88	517,09	0,5072	2,5228
-52,0	0,740	0,633	607,08	1,537	80,06	518,25	0,5171	2,5186
-51,0	0,776	0,666	605,90	1,609	82,24	519,40	0,5269	2,5146
-50,0	0,813	0,699	604,72	1,684	84,43	520,56	0,5367	2,5107
-49,0	0,852	0,734	603,54	1,762	86,62	521,71	0,5465	2,5068
-48,0	0,892	0,770	602,35	1,842	88,81	522,87	0,5562	2,5030
-47,0	0,934	0,807	601,16	1,925	91,01	524,02	0,5659	2,4993
-46,0	0,977	0,846	599,97	2,011	93,22	525,17	0,5756	2,4956
-45,0	1,022	0,887	598,77	2,101	95,43	526,32	0,5853	2,4921
-44,0	1,069	0,929	597,57	2,193	97,64	527,47	0,5949	2,4886
-43,0	1,117	0,972	596,37	2,288	99,86	528,62	0,6046	2,4851
-42,0	1,166	1,017	595,16	2,386	102,08	529,77	0,6142	2,4818
-41,0	1,218	1,064	593,95	2,488	104,30	530,92	0,6237	2,4784
-40,0	1,271	1,112	592,74	2,593	106,53	532,06	0,6333	2,4752
-39,0	1,326	1,162	591,53	2,701	108,76	533,20	0,6428	2,4720
-38,0	1,382	1,214	590,31	2,812	111,00	534,35	0,6523	2,4689
-37,0	1,441	1,267	589,08	2,928	113,24	535,49	0,6618	2,4659
-36,0	1,501	1,322	587,86	3,046	115,49	536,63	0,6712	2,4629
-35,0	1,564	1,379	586,63	3,169	117,74	537,77	0,6807	2,4599
-34,0	1,628	1,438	585,39	3,295	120,00	538,90	0,6901	2,4571
-33,0	1,695	1,499	584,16	3,425	122,26	540,04	0,6995	2,4542
-32,0	1,763	1,562	582,92	3,559	124,53	541,17	0,7088	2,4515
-31,0	1,833	1,627	581,67	3,697	126,80	542,31	0,7182	2,4488
-30,0	1,906	1,694	580,42	3,839	129,08	543,43	0,7275	2,4461
-29,0	1,981	1,763	579,17	3,985	131,36	544,56	0,7368	2,4435
-28,0	2,058	1,834	577,91	4,136	133,65	545,69	0,7461	2,4409
-27,0	2,137	1,907	576,65	4,290	135,94	546,81	0,7554	2,4384
-26,0	2,219	1,982	575,38	4,449	138,23	547,93	0,7646	2,4360
-25,0	2,303	2,060	574,11	4,613	140,54	549,05	0,7739	2,4336
-24,0	2,389	2,140	572,83	4,781	142,84	550,17	0,7831	2,4312
-23,0	2,478	2,223	571,55	4,954	145,16	551,29	0,7923	2,4289
-22,0	2,569	2,308	570,27	5,132	147,48	552,40	0,8015	2,4266
-21,0	2,663	2,395	568,98	5,314	149,80	553,51	0,8106	2,4244
-20,0	2,759	2,485	567,69	5,502	152,13	554,62	0,8198	2,4222

Temperatur [°C]	Druck [bar]		Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-19,0	2,858	2,577	566,39	5,694	154,46	555,72	0,8289	2,4201
-18,0	2,960	2,672	565,09	5,892	156,81	556,83	0,8381	2,4180
-17,0	3,064	2,769	563,78	6,095	159,15	557,93	0,8472	2,4159
-16,0	3,171	2,869	562,46	6,303	161,50	559,02	0,8563	2,4139
-15,0	3,281	2,972	561,15	6,516	163,86	560,12	0,8653	2,4119
-14,0	3,394	3,078	559,82	6,736	166,23	561,21	0,8744	2,4099
-13,0	3,509	3,186	558,49	6,961	168,60	562,30	0,8835	2,4080
-12,0	3,628	3,297	557,16	7,191	170,97	563,38	0,8925	2,4062
-11,0	3,749	3,412	555,82	7,428	173,36	564,46	0,9015	2,4043
-10,0	3,874	3,529	554,47	7,670	175,75	565,54	0,9105	2,4025
-9,0	4,001	3,649	553,12	7,919	178,14	566,62	0,9195	2,4008
-8,0	4,132	3,772	551,76	8,174	180,54	567,69	0,9285	2,3990
-7,0	4,266	3,898	550,40	8,435	182,95	568,75	0,9375	2,3973
-6,0	4,403	4,028	549,03	8,703	185,37	569,82	0,9464	2,3956
-5,0	4,543	4,160	547,65	8,977	187,79	570,88	0,9554	2,3940
-4,0	4,686	4,296	546,27	9,258	190,22	571,93	0,9643	2,3924
-3,0	4,833	4,435	544,88	9,546	192,65	572,99	0,9733	2,3908
-2,0	4,984	4,578	543,49	9,841	195,09	574,03	0,9822	2,3892
-1,0	5,137	4,724	542,08	10,14	197,54	575,08	0,9911	2,3877
0,0	5,294	4,873	540,67	10,45	200,00	576,12	1,0000	2,3862
1,0	5,455	5,026	539,26	10,77	202,46	577,15	1,0089	2,3847
2,0	5,620	5,182	537,84	11,09	204,93	578,18	1,0178	2,3833
3,0	5,787	5,342	536,41	11,42	207,41	579,21	1,0267	2,3818
4,0	5,959	5,505	534,97	11,76	209,90	580,23	1,0355	2,3804
5,0	6,134	5,673	533,52	12,11	212,39	581,24	1,0444	2,3790
6,0	6,314	5,844	532,07	12,47	214,89	582,26	1,0532	2,3777
7,0	6,497	6,018	530,61	12,83	217,40	583,26	1,0621	2,3763
8,0	6,683	6,197	529,14	13,20	219,91	584,26	1,0709	2,3750
9,0	6,874	6,379	527,67	13,59	222,44	585,26	1,0798	2,3737
10,0	7,069	6,566	526,18	13,98	224,97	586,25	1,0886	2,3724
11,0	7,268	6,756	524,69	14,37	227,51	587,23	1,0974	2,3711
12,0	7,471	6,951	523,19	14,78	230,06	588,21	1,1062	2,3699
13,0	7,678	7,149	521,68	15,20	232,62	589,18	1,1150	2,3686
14,0	7,889	7,352	520,16	15,63	235,18	590,14	1,1238	2,3674
15,0	8,104	7,559	518,63	16,06	237,75	591,10	1,1326	2,3662
16,0	8,324	7,770	517,09	16,51	240,34	592,06	1,1414	2,3650
17,0	8,548	7,986	515,54	16,97	242,93	593,00	1,1502	2,3638
18,0	8,776	8,206	513,99	17,43	245,53	593,94	1,1590	2,3627
19,0	9,009	8,430	512,42	17,91	248,14	594,87	1,1678	2,3615
20,0	9,246	8,659	510,84	18,40	250,76	595,80	1,1766	2,3604

Temperatur [°C]	Druck [bar]		Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
21,0	9,488	8,893	509,25	18,90	253,38	596,72	1,1854	2,3592
22,0	9,735	9,131	507,66	19,41	256,02	597,63	1,1942	2,3581
23,0	9,986	9,373	506,05	19,94	258,67	598,53	1,2030	2,3570
24,0	10,24	9,621	504,42	20,47	261,32	599,42	1,2118	2,3559
25,0	10,50	9,873	502,79	21,02	263,99	600,31	1,2205	2,3548
26,0	10,77	10,13	501,15	21,58	266,67	601,19	1,2293	2,3537
27,0	11,04	10,39	499,49	22,15	269,35	602,06	1,2381	2,3526
28,0	11,31	10,66	497,82	22,73	272,05	602,92	1,2469	2,3515
29,0	11,59	10,93	496,14	23,33	274,76	603,77	1,2557	2,3504
30,0	11,88	11,21	494,45	23,94	277,48	604,61	1,2645	2,3493
31,0	12,17	11,49	492,74	24,57	280,21	605,44	1,2733	2,3482
32,0	12,46	11,78	491,02	25,21	282,95	606,27	1,2821	2,3471
33,0	12,76	12,07	489,28	25,86	285,70	607,08	1,2909	2,3460
34,0	13,07	12,37	487,53	26,53	288,46	607,88	1,2997	2,3449
35,0	13,38	12,67	485,77	27,22	291,24	608,67	1,3085	2,3438
36,0	13,70	12,98	483,99	27,92	294,03	609,45	1,3173	2,3427
37,0	14,02	13,29	482,19	28,64	296,83	610,22	1,3261	2,3416
38,0	14,35	13,61	480,38	29,37	299,64	610,98	1,3350	2,3405
39,0	14,68	13,94	478,55	30,12	302,46	611,72	1,3438	2,3394
40,0	15,02	14,27	476,70	30,89	305,30	612,45	1,3527	2,3383
41,0	15,36	14,60	474,84	31,68	308,15	613,17	1,3615	2,3372
42,0	15,71	14,95	472,96	32,49	311,02	613,88	1,3704	2,3360
43,0	16,06	15,29	471,06	33,31	313,90	614,57	1,3793	2,3348
44,0	16,43	15,65	469,14	34,16	316,79	615,25	1,3882	2,3337
45,0	16,79	16,01	467,20	35,03	319,70	615,91	1,3971	2,3325
46,0	17,17	16,38	465,24	35,91	322,62	616,56	1,4060	2,3313
47,0	17,54	16,75	463,26	36,82	325,56	617,19	1,4149	2,3300
48,0	17,93	17,13	461,25	37,75	328,51	617,80	1,4239	2,3288
49,0	18,32	17,51	459,23	38,71	331,48	618,40	1,4329	2,3275
50,0	18,72	17,90	457,18	39,69	334,47	618,98	1,4418	2,3262
51,0	19,12	18,30	455,10	40,69	337,47	619,54	1,4508	2,3249
52,0	19,53	18,70	453,00	41,72	340,49	620,09	1,4599	2,3236
53,0	19,95	19,11	450,87	42,78	343,53	620,61	1,4689	2,3222
54,0	20,37	19,53	448,72	43,86	346,58	621,11	1,4780	2,3208
55,0	20,80	19,96	446,54	44,97	349,66	621,60	1,4871	2,3193
56,0	21,23	20,39	444,32	46,11	352,75	622,06	1,4962	2,3178
57,0	21,68	20,82	442,08	47,29	355,87	622,49	1,5053	2,3163
58,0	22,13	21,27	439,80	48,49	359,00	622,91	1,5145	2,3148
59,0	22,58	21,72	437,49	49,73	362,16	623,29	1,5237	2,3132
60,0	23,04	22,18	435,15	51,01	365,34	623,66	1,5330	2,3115

Temperatur [°C]	Druck [bar]		Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
61,0	23,51	22,65	432,77	52,32	368,54	623,99	1,5422	2,3098
62,0	23,99	23,12	430,35	53,67	371,77	624,29	1,5515	2,3080
63,0	24,47	23,60	427,88	55,06	375,02	624,57	1,5609	2,3062
64,0	24,97	24,09	425,38	56,49	378,30	624,81	1,5703	2,3043
65,0	25,46	24,59	422,83	57,97	381,60	625,02	1,5797	2,3024
66,0	25,97	25,09	420,23	59,50	384,94	625,19	1,5892	2,3004
67,0	26,48	25,60	417,59	61,07	388,30	625,33	1,5988	2,2983
68,0	27,00	26,12	414,89	62,69	391,69	625,43	1,6084	2,2961
69,0	27,53	26,65	412,13	64,37	395,12	625,48	1,6180	2,2938
70,0	28,07	27,19	409,31	66,11	398,58	625,50	1,6277	2,2915
71,0	28,61	27,73	406,43	67,91	402,08	625,46	1,6375	2,2890
72,0	29,16	28,28	403,49	69,78	405,62	625,38	1,6474	2,2864
73,0	29,72	28,84	400,47	71,71	409,20	625,24	1,6574	2,2837
74,0	30,29	29,41	397,37	73,72	412,82	625,05	1,6674	2,2809
75,0	30,86	29,99	394,19	75,81	416,49	624,80	1,6775	2,2780
76,0	31,44	30,58	390,91	77,99	420,20	624,48	1,6878	2,2749
77,0	32,03	31,18	387,54	80,26	423,97	624,09	1,6981	2,2716
78,0	32,63	31,78	384,07	82,63	427,80	623,63	1,7086	2,2682
79,0	33,24	32,40	380,47	85,12	431,69	623,08	1,7192	2,2645
80,0	33,86	33,02	376,75	87,72	435,65	622,44	1,7300	2,2607
81,0	34,48	33,66	372,88	90,46	439,69	621,71	1,7409	2,2566
82,0	35,12	34,30	368,86	93,35	443,80	620,86	1,7520	2,2522
83,0	35,76	34,96	364,66	96,40	448,01	619,89	1,7634	2,2475
84,0	36,41	35,63	360,27	99,64	452,32	618,79	1,7749	2,2425
85,0	37,08	36,30	355,64	103,1	456,75	617,53	1,7868	2,2371
86,0	37,75	36,99	350,75	106,8	461,31	616,09	1,7990	2,2313
87,0	38,43	37,69	345,56	110,8	466,03	614,44	1,8116	2,2249
88,0	39,12	38,40	339,99	115,1	470,94	612,55	1,8246	2,2179
89,0	39,81	39,13	333,99	119,8	476,06	610,37	1,8382	2,2102
90,0	40,52	39,87	327,43	125,0	481,47	607,82	1,8525	2,2015
91,0	41,24	40,62	320,15	130,9	487,24	604,82	1,8678	2,1916
92,0	41,97	41,39	311,89	137,7	493,50	601,20	1,8843	2,1801
93,0	42,70	42,18	302,18	145,7	500,48	596,71	1,9028	2,1663
94,0	43,44	42,99	290,08	155,7	508,69	590,82	1,9245	2,1488
95,0	44,18	43,83	272,84	169,8	519,54	582,17	1,9533	2,1239
96,0	44,85	44,77	226,00	205,4	546,92	559,57	2,0268	2,0612

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