

Temperatur [°C]	Druck [bar]	Dichte [kg/m ³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
		flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-60,0	0,427	601,08	1,084	60,81	504,44	0,4294	2,5107
-59,0	0,450	599,97	1,138	62,99	505,64	0,4396	2,5066
-58,0	0,474	598,86	1,195	65,17	506,85	0,4497	2,5026
-57,0	0,499	597,75	1,253	67,35	508,05	0,4598	2,4986
-56,0	0,525	596,64	1,314	69,54	509,25	0,4699	2,4948
-55,0	0,552	595,52	1,376	71,73	510,46	0,4799	2,4910
-54,0	0,581	594,40	1,442	73,93	511,66	0,4899	2,4874
-53,0	0,610	593,28	1,509	76,13	512,87	0,4999	2,4838
-52,0	0,641	592,15	1,579	78,33	514,07	0,5099	2,4802
-51,0	0,673	591,03	1,652	80,54	515,27	0,5198	2,4768
-50,0	0,706	589,90	1,727	82,75	516,48	0,5298	2,4734
-49,0	0,740	588,76	1,805	84,97	517,68	0,5396	2,4701
-48,0	0,776	587,63	1,885	87,19	518,88	0,5495	2,4669
-47,0	0,813	586,49	1,968	89,42	520,08	0,5593	2,4637
-46,0	0,851	585,35	2,054	91,65	521,29	0,5692	2,4606
-45,0	0,891	584,20	2,143	93,88	522,49	0,5789	2,4575
-44,0	0,932	583,06	2,235	96,12	523,69	0,5887	2,4546
-43,0	0,974	581,91	2,330	98,36	524,89	0,5984	2,4517
-42,0	1,018	580,75	2,427	100,61	526,08	0,6082	2,4488
-41,0	1,064	579,59	2,528	102,87	527,28	0,6178	2,4460
-40,0	1,111	578,43	2,633	105,12	528,48	0,6275	2,4433
-39,0	1,160	577,27	2,740	107,39	529,67	0,6372	2,4407
-38,0	1,211	576,10	2,851	109,65	530,87	0,6468	2,4380
-37,0	1,263	574,93	2,965	111,93	532,06	0,6564	2,4355
-36,0	1,317	573,76	3,083	114,20	533,26	0,6660	2,4330
-35,0	1,372	572,58	3,204	116,49	534,45	0,6755	2,4306
-34,0	1,430	571,40	3,329	118,77	535,64	0,6851	2,4282
-33,0	1,489	570,22	3,458	121,07	536,83	0,6946	2,4259
-32,0	1,550	569,03	3,590	123,36	538,01	0,7041	2,4236
-31,0	1,613	567,84	3,727	125,67	539,20	0,7136	2,4213
-30,0	1,678	566,64	3,867	127,97	540,38	0,7231	2,4192
-29,0	1,745	565,44	4,011	130,29	541,57	0,7325	2,4170
-28,0	1,814	564,23	4,160	132,61	542,75	0,7419	2,4150
-27,0	1,886	563,03	4,312	134,93	543,93	0,7514	2,4129
-26,0	1,959	561,81	4,469	137,26	545,11	0,7607	2,4109
-25,0	2,034	560,60	4,630	139,60	546,28	0,7701	2,4090
-24,0	2,112	559,38	4,796	141,94	547,46	0,7795	2,4071
-23,0	2,192	558,15	4,966	144,29	548,63	0,7888	2,4052
-22,0	2,274	556,92	5,141	146,64	549,80	0,7982	2,4034
-21,0	2,358	555,69	5,320	149,00	550,97	0,8075	2,4016
-20,0	2,445	554,45	5,505	151,36	552,13	0,8168	2,3999

Temperatur [°C]	Druck [bar]	Dichte [kg/m ³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
		flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-19,0	2,534	553,21	5,694	153,73	553,30	0,8260	2,3982
-18,0	2,626	551,96	5,888	156,11	554,46	0,8353	2,3965
-17,0	2,720	550,71	6,087	158,49	555,62	0,8446	2,3949
-16,0	2,817	549,45	6,292	160,88	556,77	0,8538	2,3933
-15,0	2,916	548,19	6,501	163,28	557,93	0,8630	2,3918
-14,0	3,018	546,92	6,716	165,68	559,08	0,8722	2,3903
-13,0	3,123	545,65	6,937	168,09	560,22	0,8814	2,3888
-12,0	3,230	544,37	7,163	170,50	561,37	0,8906	2,3874
-11,0	3,340	543,09	7,395	172,92	562,51	0,8998	2,3859
-10,0	3,453	541,80	7,632	175,35	563,65	0,9090	2,3846
-9,0	3,568	540,50	7,876	177,78	564,79	0,9181	2,3832
-8,0	3,687	539,20	8,125	180,22	565,92	0,9273	2,3819
-7,0	3,809	537,90	8,380	182,67	567,05	0,9364	2,3806
-6,0	3,933	536,59	8,642	185,12	568,18	0,9455	2,3794
-5,0	4,060	535,27	8,910	187,59	569,30	0,9546	2,3781
-4,0	4,191	533,95	9,185	190,05	570,42	0,9637	2,3769
-3,0	4,325	532,62	9,466	192,53	571,54	0,9728	2,3758
-2,0	4,461	531,28	9,754	195,01	572,65	0,9819	2,3746
-1,0	4,601	529,94	10,05	197,50	573,76	0,9909	2,3735
0,0	4,745	528,59	10,35	200,00	574,87	1,0000	2,3724
1,0	4,891	527,24	10,66	202,50	575,97	1,0091	2,3713
2,0	5,041	525,88	10,98	205,02	577,06	1,0181	2,3703
3,0	5,194	524,51	11,30	207,54	578,16	1,0271	2,3692
4,0	5,351	523,13	11,63	210,06	579,24	1,0362	2,3682
5,0	5,511	521,75	11,97	212,60	580,33	1,0452	2,3672
6,0	5,675	520,36	12,32	215,14	581,41	1,0542	2,3663
7,0	5,842	518,96	12,67	217,69	582,48	1,0632	2,3653
8,0	6,013	517,56	13,03	220,25	583,55	1,0722	2,3644
9,0	6,188	516,15	13,40	222,82	584,61	1,0812	2,3635
10,0	6,366	514,73	13,78	225,40	585,67	1,0902	2,3626
11,0	6,548	513,30	14,17	227,98	586,73	1,0992	2,3617
12,0	6,734	511,86	14,57	230,57	587,77	1,1082	2,3608
13,0	6,924	510,42	14,97	233,18	588,82	1,1171	2,3600
14,0	7,118	508,97	15,39	235,79	589,85	1,1261	2,3592
15,0	7,315	507,50	15,81	238,40	590,89	1,1351	2,3583
16,0	7,517	506,03	16,25	241,03	591,91	1,1440	2,3575
17,0	7,723	504,55	16,69	243,67	592,93	1,1530	2,3567
18,0	7,932	503,06	17,14	246,32	593,94	1,1620	2,3559
19,0	8,146	501,57	17,61	248,97	594,95	1,1709	2,3552
20,0	8,365	500,06	18,08	251,64	595,95	1,1799	2,3544

Temperatur [°C]	Druck [bar]	Dichte [kg/m ³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
		flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
21,0	8,587	498,54	18,57	254,31	596,94	1,1888	2,3537
22,0	8,814	497,01	19,06	256,99	597,93	1,1978	2,3529
23,0	9,045	495,47	19,57	259,69	598,91	1,2067	2,3522
24,0	9,281	493,92	20,09	262,39	599,88	1,2157	2,3514
25,0	9,521	492,36	20,62	265,11	600,84	1,2247	2,3507
26,0	9,765	490,79	21,16	267,83	601,80	1,2336	2,3500
27,0	10,01	489,21	21,71	270,56	602,74	1,2426	2,3493
28,0	10,27	487,62	22,28	273,31	603,68	1,2515	2,3486
29,0	10,53	486,01	22,86	276,07	604,61	1,2605	2,3479
30,0	10,79	484,39	23,45	278,83	605,54	1,2695	2,3471
31,0	11,06	482,76	24,06	281,61	606,45	1,2784	2,3464
32,0	11,33	481,12	24,68	284,40	607,35	1,2874	2,3457
33,0	11,61	479,46	25,31	287,20	608,25	1,2964	2,3450
34,0	11,89	477,79	25,96	290,01	609,13	1,3053	2,3443
35,0	12,18	476,10	26,62	292,84	610,01	1,3143	2,3436
36,0	12,47	474,41	27,30	295,68	610,87	1,3233	2,3429
37,0	12,77	472,69	27,99	298,52	611,72	1,3323	2,3421
38,0	13,07	470,96	28,70	301,39	612,56	1,3413	2,3414
39,0	13,38	469,22	29,42	304,26	613,40	1,3503	2,3407
40,0	13,69	467,46	30,17	307,15	614,21	1,3594	2,3399
41,0	14,01	465,68	30,92	310,05	615,02	1,3684	2,3392
42,0	14,34	463,89	31,70	312,96	615,81	1,3774	2,3384
43,0	14,67	462,08	32,50	315,89	616,60	1,3865	2,3376
44,0	15,00	460,25	33,31	318,83	617,36	1,3955	2,3368
45,0	15,34	458,40	34,15	321,79	618,12	1,4046	2,3360
46,0	15,69	456,54	35,00	324,76	618,86	1,4137	2,3352
47,0	16,04	454,65	35,87	327,75	619,58	1,4228	2,3344
48,0	16,40	452,75	36,77	330,75	620,29	1,4319	2,3335
49,0	16,76	450,82	37,69	333,77	620,98	1,4410	2,3326
50,0	17,13	448,87	38,63	336,80	621,66	1,4502	2,3317
51,0	17,51	446,90	39,59	339,85	622,32	1,4594	2,3308
52,0	17,89	444,90	40,58	342,92	622,96	1,4685	2,3298
53,0	18,28	442,88	41,60	346,00	623,58	1,4778	2,3288
54,0	18,67	440,83	42,64	349,11	624,19	1,4870	2,3278
55,0	19,07	438,76	43,71	352,23	624,77	1,4962	2,3268
56,0	19,48	436,66	44,80	355,37	625,34	1,5055	2,3257
57,0	19,89	434,54	45,93	358,53	625,88	1,5148	2,3246
58,0	20,31	432,38	47,08	361,71	626,40	1,5241	2,3234
59,0	20,74	430,19	48,27	364,91	626,89	1,5335	2,3222
60,0	21,17	427,97	49,49	368,14	627,36	1,5429	2,3210

Temperatur [°C]	Druck [bar]	Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
		flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
61,0	21,61	425,72	50,75	371,38	627,80	1,5523	2,3197
62,0	22,05	423,43	52,04	374,65	628,22	1,5617	2,3183
63,0	22,50	421,11	53,37	377,94	628,61	1,5712	2,3169
64,0	22,96	418,74	54,74	381,26	628,96	1,5808	2,3155
65,0	23,43	416,34	56,15	384,60	629,29	1,5903	2,3139
66,0	23,90	413,89	57,61	387,97	629,58	1,6000	2,3123
67,0	24,38	411,40	59,11	391,37	629,84	1,6096	2,3107
68,0	24,87	408,86	60,66	394,80	630,06	1,6193	2,3089
69,0	25,37	406,27	62,26	398,26	630,23	1,6291	2,3071
70,0	25,87	403,62	63,92	401,75	630,37	1,6389	2,3052
71,0	26,38	400,92	65,63	405,28	630,46	1,6488	2,3031
72,0	26,90	398,16	67,41	408,84	630,51	1,6588	2,3010
73,0	27,42	395,34	69,25	412,44	630,50	1,6688	2,2988
74,0	27,95	392,44	71,16	416,08	630,45	1,6789	2,2964
75,0	28,49	389,47	73,14	419,76	630,33	1,6891	2,2939
76,0	29,04	386,42	75,21	423,49	630,15	1,6994	2,2913
77,0	29,60	383,29	77,36	427,27	629,91	1,7098	2,2885
78,0	30,16	380,06	79,60	431,09	629,60	1,7203	2,2856
79,0	30,74	376,73	81,95	434,98	629,21	1,7309	2,2824
80,0	31,32	373,29	84,41	438,93	628,73	1,7417	2,2791
81,0	31,91	369,73	86,99	442,94	628,16	1,7526	2,2756
82,0	32,51	366,03	89,70	447,03	627,49	1,7636	2,2718
83,0	33,12	362,18	92,57	451,19	626,71	1,7749	2,2677
84,0	33,73	358,17	95,60	455,45	625,80	1,7863	2,2633
85,0	34,36	353,96	98,82	459,81	624,75	1,7980	2,2585
86,0	35,00	349,54	102,3	464,28	623,54	1,8100	2,2534
87,0	35,64	344,86	105,9	468,88	622,14	1,8222	2,2478
88,0	36,30	339,90	109,9	473,63	620,53	1,8349	2,2416
89,0	36,97	334,58	114,2	478,56	618,66	1,8480	2,2348
90,0	37,64	328,83	119,0	483,71	616,47	1,8616	2,2272
91,0	38,33	322,55	124,3	489,13	613,90	1,8759	2,2186
92,0	39,03	315,58	130,3	494,90	610,83	1,8912	2,2086
93,0	39,74	307,65	137,2	501,16	607,07	1,9076	2,1969
94,0	40,46	298,29	145,5	508,13	602,29	1,9260	2,1825
95,0	41,20	286,51	156,3	516,33	595,81	1,9476	2,1635
96,0	41,95	269,03	172,8	527,44	585,41	1,9770	2,1341

Berechnet mit Refprop

Version 10.0

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