

Temperatur [°C]	Druck [bar]		Dichte [kg/m ³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-55,0	0,453	0,331	1429,2	1,988	130,17	337,32	0,7163	1,6780
-54,0	0,479	0,352	1426,2	2,102	131,39	337,96	0,7219	1,6764
-53,0	0,505	0,373	1423,2	2,221	132,61	338,59	0,7274	1,6748
-52,0	0,533	0,395	1420,2	2,345	133,83	339,22	0,7329	1,6732
-51,0	0,562	0,419	1417,2	2,475	135,05	339,86	0,7384	1,6717
-50,0	0,592	0,443	1414,2	2,611	136,28	340,49	0,7439	1,6702
-49,0	0,623	0,469	1411,1	2,752	137,50	341,12	0,7494	1,6688
-48,0	0,656	0,495	1408,1	2,899	138,73	341,75	0,7549	1,6674
-47,0	0,690	0,523	1405,1	3,053	139,96	342,39	0,7603	1,6660
-46,0	0,726	0,553	1402,0	3,213	141,19	343,02	0,7657	1,6647
-45,0	0,763	0,583	1399,0	3,379	142,42	343,65	0,7711	1,6634
-44,0	0,801	0,615	1395,9	3,552	143,65	344,28	0,7765	1,6621
-43,0	0,841	0,648	1392,8	3,732	144,89	344,91	0,7819	1,6609
-42,0	0,882	0,683	1389,8	3,920	146,13	345,54	0,7872	1,6597
-41,0	0,925	0,719	1386,7	4,114	147,37	346,17	0,7925	1,6585
-40,0	0,970	0,757	1383,6	4,317	148,61	346,80	0,7979	1,6574
-39,0	1,016	0,796	1380,5	4,527	149,85	347,43	0,8032	1,6562
-38,0	1,065	0,837	1377,4	4,745	151,09	348,06	0,8084	1,6552
-37,0	1,114	0,879	1374,3	4,971	152,34	348,68	0,8137	1,6541
-36,0	1,166	0,923	1371,1	5,205	153,58	349,31	0,8190	1,6531
-35,0	1,220	0,969	1368,0	5,449	154,83	349,94	0,8242	1,6521
-34,0	1,275	1,017	1364,8	5,701	156,08	350,56	0,8294	1,6511
-33,0	1,333	1,066	1361,7	5,962	157,34	351,18	0,8347	1,6502
-32,0	1,392	1,118	1358,5	6,232	158,59	351,81	0,8398	1,6493
-31,0	1,454	1,171	1355,3	6,513	159,85	352,43	0,8450	1,6484
-30,0	1,517	1,226	1352,2	6,802	161,11	353,05	0,8502	1,6475
-29,0	1,583	1,284	1349,0	7,102	162,37	353,67	0,8554	1,6467
-28,0	1,651	1,343	1345,7	7,413	163,63	354,29	0,8605	1,6459
-27,0	1,721	1,404	1342,5	7,734	164,90	354,90	0,8656	1,6451
-26,0	1,793	1,468	1339,3	8,065	166,17	355,52	0,8707	1,6443
-25,0	1,868	1,534	1336,1	8,408	167,44	356,13	0,8759	1,6436
-24,0	1,946	1,602	1332,8	8,762	168,71	356,75	0,8809	1,6429
-23,0	2,025	1,672	1329,5	9,128	169,98	357,36	0,8860	1,6421
-22,0	2,107	1,745	1326,3	9,506	171,26	357,97	0,8911	1,6415
-21,0	2,192	1,821	1323,0	9,896	172,54	358,58	0,8961	1,6408
-20,0	2,279	1,898	1319,7	10,30	173,82	359,18	0,9012	1,6401
-19,0	2,369	1,979	1316,3	10,71	175,10	359,79	0,9062	1,6395
-18,0	2,462	2,062	1313,0	11,14	176,39	360,39	0,9113	1,6389
-17,0	2,558	2,147	1309,7	11,58	177,68	360,99	0,9163	1,6383
-16,0	2,656	2,236	1306,3	12,04	178,97	361,59	0,9213	1,6377
-15,0	2,757	2,327	1302,9	12,51	180,26	362,19	0,9263	1,6372

Temperatur [°C]	Druck [bar]		Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-14,0	2,861	2,421	1299,5	12,99	181,56	362,79	0,9312	1,6366
-13,0	2,968	2,518	1296,1	13,49	182,86	363,39	0,9362	1,6361
-12,0	3,078	2,617	1292,7	14,00	184,16	363,98	0,9412	1,6356
-11,0	3,191	2,720	1289,3	14,53	185,46	364,57	0,9461	1,6351
-10,0	3,308	2,826	1285,8	15,08	186,77	365,16	0,9511	1,6346
-9,0	3,427	2,935	1282,3	15,64	188,08	365,75	0,9560	1,6342
-8,0	3,550	3,047	1278,9	16,21	189,39	366,33	0,9609	1,6337
-7,0	3,676	3,163	1275,4	16,81	190,71	366,91	0,9658	1,6333
-6,0	3,806	3,282	1271,8	17,42	192,03	367,49	0,9707	1,6328
-5,0	3,939	3,404	1268,3	18,05	193,35	368,07	0,9756	1,6324
-4,0	4,075	3,529	1264,7	18,69	194,67	368,65	0,9805	1,6320
-3,0	4,215	3,658	1261,2	19,36	196,00	369,22	0,9854	1,6316
-2,0	4,359	3,791	1257,6	20,04	197,33	369,79	0,9903	1,6312
-1,0	4,507	3,927	1254,0	20,75	198,66	370,36	0,9951	1,6309
0,0	4,658	4,067	1250,3	21,47	200,00	370,92	1,0000	1,6305
1,0	4,812	4,211	1246,7	22,21	201,34	371,48	1,0049	1,6302
2,0	4,971	4,359	1243,0	22,98	202,68	372,04	1,0097	1,6298
3,0	5,134	4,510	1239,3	23,76	204,03	372,60	1,0145	1,6295
4,0	5,301	4,665	1235,6	24,57	205,38	373,15	1,0194	1,6292
5,0	5,471	4,825	1231,8	25,40	206,73	373,70	1,0242	1,6289
6,0	5,646	4,988	1228,1	26,25	208,09	374,25	1,0290	1,6285
7,0	5,825	5,156	1224,3	27,12	209,45	374,79	1,0338	1,6282
8,0	6,008	5,328	1220,5	28,02	210,82	375,34	1,0386	1,6279
9,0	6,196	5,504	1216,6	28,94	212,18	375,87	1,0434	1,6277
10,0	6,388	5,685	1212,8	29,89	213,56	376,41	1,0482	1,6274
11,0	6,584	5,870	1208,9	30,86	214,93	376,94	1,0530	1,6271
12,0	6,785	6,059	1204,9	31,86	216,31	377,46	1,0578	1,6268
13,0	6,990	6,253	1201,0	32,89	217,69	377,98	1,0626	1,6265
14,0	7,200	6,452	1197,0	33,94	219,08	378,50	1,0674	1,6263
15,0	7,415	6,655	1193,0	35,03	220,47	379,02	1,0722	1,6260
16,0	7,635	6,863	1189,0	36,14	221,87	379,53	1,0769	1,6258
17,0	7,859	7,076	1184,9	37,28	223,27	380,03	1,0817	1,6255
18,0	8,088	7,294	1180,8	38,45	224,67	380,53	1,0865	1,6252
19,0	8,322	7,517	1176,7	39,65	226,08	381,03	1,0912	1,6250
20,0	8,561	7,746	1172,6	40,88	227,50	381,52	1,0960	1,6247
21,0	8,806	7,979	1168,4	42,15	228,91	382,01	1,1007	1,6245
22,0	9,055	8,217	1164,2	43,45	230,34	382,49	1,1055	1,6242
23,0	9,310	8,461	1159,9	44,79	231,77	382,97	1,1103	1,6240
24,0	9,570	8,710	1155,6	46,16	233,20	383,44	1,1150	1,6237
25,0	9,835	8,965	1151,3	47,57	234,64	383,91	1,1198	1,6234

Temperatur [°C]	Druck [bar]		Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
26,0	10,11	9,225	1146,9	49,01	236,08	384,37	1,1245	1,6232
27,0	10,38	9,491	1142,5	50,50	237,53	384,82	1,1293	1,6229
28,0	10,67	9,762	1138,0	52,02	238,98	385,27	1,1340	1,6226
29,0	10,95	10,04	1133,5	53,59	240,44	385,71	1,1388	1,6224
30,0	11,25	10,32	1129,0	55,20	241,90	386,15	1,1435	1,6221
31,0	11,55	10,61	1124,4	56,85	243,37	386,58	1,1483	1,6218
32,0	11,85	10,91	1119,8	58,54	244,85	387,00	1,1530	1,6215
33,0	12,16	11,21	1115,1	60,29	246,33	387,41	1,1578	1,6212
34,0	12,48	11,52	1110,4	62,08	247,82	387,82	1,1625	1,6209
35,0	12,80	11,83	1105,6	63,92	249,31	388,22	1,1673	1,6206
36,0	13,13	12,15	1100,8	65,81	250,81	388,62	1,1721	1,6203
37,0	13,47	12,48	1095,9	67,75	252,32	389,00	1,1768	1,6199
38,0	13,81	12,81	1090,9	69,75	253,83	389,38	1,1816	1,6196
39,0	14,16	13,15	1085,9	71,81	255,36	389,75	1,1864	1,6192
40,0	14,51	13,50	1080,9	73,92	256,88	390,11	1,1912	1,6189
41,0	14,87	13,85	1075,7	76,09	258,42	390,46	1,1960	1,6185
42,0	15,24	14,21	1070,6	78,33	259,96	390,80	1,2008	1,6181
43,0	15,62	14,58	1065,3	80,63	261,52	391,13	1,2056	1,6177
44,0	16,00	14,95	1060,0	83,00	263,07	391,45	1,2104	1,6172
45,0	16,39	15,33	1054,6	85,44	264,64	391,76	1,2152	1,6168
46,0	16,79	15,72	1049,1	87,96	266,22	392,06	1,2200	1,6163
47,0	17,19	16,12	1043,6	90,55	267,81	392,35	1,2249	1,6158
48,0	17,60	16,52	1037,9	93,21	269,40	392,63	1,2297	1,6153
49,0	18,02	16,94	1032,2	95,97	271,01	392,89	1,2346	1,6148
50,0	18,44	17,35	1026,4	98,81	272,62	393,14	1,2395	1,6142
51,0	18,87	17,78	1020,5	101,7	274,25	393,38	1,2443	1,6136
52,0	19,31	18,22	1014,5	104,8	275,88	393,60	1,2493	1,6130
53,0	19,76	18,66	1008,4	107,9	277,53	393,81	1,2542	1,6124
54,0	20,22	19,11	1002,2	111,1	279,19	394,01	1,2591	1,6117
55,0	20,68	19,57	995,82	114,5	280,86	394,18	1,2641	1,6110
56,0	21,15	20,04	989,37	117,9	282,54	394,34	1,2691	1,6103
57,0	21,63	20,52	982,79	121,5	284,24	394,49	1,2741	1,6095
58,0	22,12	21,00	976,08	125,2	285,95	394,61	1,2791	1,6087
59,0	22,61	21,50	969,22	129,0	287,68	394,71	1,2841	1,6078
60,0	23,12	22,00	962,22	133,0	289,42	394,80	1,2892	1,6069
61,0	23,63	22,52	955,05	137,2	291,18	394,86	1,2943	1,6060
62,0	24,15	23,04	947,70	141,5	292,96	394,89	1,2995	1,6049
63,0	24,68	23,57	940,18	145,9	294,75	394,90	1,3047	1,6039
64,0	25,22	24,11	932,45	150,6	296,57	394,88	1,3099	1,6027
65,0	25,77	24,66	924,51	155,5	298,41	394,84	1,3152	1,6015

Temperatur [°C]	Druck [bar]		Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
66,0	26,32	25,23	916,34	160,6	300,27	394,76	1,3205	1,6002
67,0	26,89	25,80	907,91	165,9	302,15	394,65	1,3258	1,5989
68,0	27,47	26,38	899,21	171,5	304,07	394,50	1,3313	1,5974
69,0	28,05	26,97	890,22	177,4	306,01	394,30	1,3368	1,5959
70,0	28,65	27,58	880,88	183,6	307,98	394,07	1,3423	1,5942
71,0	29,25	28,19	871,19	190,1	309,99	393,78	1,3480	1,5924
72,0	29,86	28,82	861,08	197,0	312,04	393,44	1,3537	1,5905
73,0	30,49	29,46	850,51	204,4	314,13	393,04	1,3595	1,5884
74,0	31,12	30,11	839,41	212,2	316,27	392,57	1,3655	1,5861
75,0	31,77	30,78	827,71	220,6	318,47	392,03	1,3716	1,5837
76,0	32,42	31,46	815,32	229,6	320,73	391,39	1,3779	1,5810
77,0	33,09	32,15	802,09	239,5	323,07	390,64	1,3843	1,5780
78,0	33,76	32,85	787,86	250,2	325,51	389,77	1,3910	1,5747
79,0	34,45	33,58	772,40	262,0	328,06	388,74	1,3980	1,5710
80,0	35,15	34,31	755,35	275,3	330,75	387,52	1,4054	1,5667
81,0	35,86	35,07	736,19	290,4	333,64	386,05	1,4133	1,5618
82,0	36,57	35,85	714,02	308,2	336,81	384,22	1,4220	1,5559
83,0	37,30	36,65	687,11	329,9	340,43	381,86	1,4319	1,5486
84,0	38,02	37,49	651,26	359,0	344,90	378,56	1,4441	1,5387
85,0	38,72	38,38	589,29	407,7	351,97	372,77	1,4635	1,5218

Berechnet mit Refprop Version 10.0

Eine Garantie, Gewährleistung oder Haftung für die Richtigkeit, Vollständigkeit und Aktualität der zur Verfügung gestellten Inhalte und Informationen kann nicht übernommen werden.

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