

R 290



Temperatur [°C]	Druck [bar]	Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
		flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
30,000	1,6783	566,64	3,8669	127,97	540,38	0,72306	2,4192
-29,000	1,7454	565,44	4,0112	130,29	541,57	0,73250	2,4170
-28,000	1,8144	564,23	4,1596	132,61	542,75	0,74193	2,4150
-27,000	1,8856	563,03	4,3122	134,93	543,93	0,75135	2,4129
-26,000	1,9589	561,81	4,4690	137,26	545,11	0,76074	2,4109
-25,000	2,0343	560,60	4,6302	139,60	546,28	0,77012	2,4090
-24,000	2,1119	559,38	4,7959	141,94	547,46	0,77948	2,4071
-23,000	2,1918	558,15	4,9661	144,29	548,63	0,78882	2,4052
-22,000	2,2739	556,92	5,1409	146,64	549,80	0,79815	2,4034
-21,000	2,3584	555,69	5,3203	149,00	550,97	0,80746	2,4016
-20,000	2,4452	554,45	5,5046	151,36	552,13	0,81676	2,3999
-19,000	2,5344	553,21	5,6938	153,73	553,30	0,82604	2,3982
-18,000	2,6261	551,96	5,8879	156,11	554,46	0,83531	2,3965
-17,000	2,7203	550,71	6,0872	158,49	555,62	0,84456	2,3949
-16,000	2,8170	549,45	6,2916	160,88	556,77	0,85380	2,3933
-15,000	2,9162	548,19	6,5012	163,28	557,93	0,86303	2,3918
-14,000	3,0181	546,92	6,7162	165,68	559,08	0,87224	2,3903
-13,000	3,1227	545,65	6,9367	168,09	560,23	0,88144	2,3888
-12,000	3,2300	544,37	7,1628	170,50	561,37	0,89063	2,3874
-11,000	3,3400	543,09	7,3945	172,92	562,51	0,89980	2,3859
-10,000	3,4528	541,80	7,6321	175,35	563,65	0,90897	2,3846
-9,0000	3,5685	540,50	7,8755	177,78	564,79	0,91812	2,3832
-8,0000	3,6870	539,20	8,1249	180,22	565,92	0,92726	2,3819
-7,0000	3,8085	537,90	8,3804	182,67	567,05	0,93638	2,3806
-6,0000	3,9329	536,59	8,6422	185,12	568,18	0,94550	2,3794
-5,0000	4,0604	535,27	8,9103	187,59	569,30	0,95461	2,3781
-4,0000	4,1909	533,95	9,1849	190,05	570,42	0,96371	2,3769
-3,0000	4,3245	532,62	9,4661	192,53	571,54	0,97279	2,3758
-2,0000	4,4613	531,28	9,7540	195,01	572,65	0,98187	2,3746
-1,0000	4,6013	529,94	10,049	197,50	573,76	0,99094	2,3735
0,00000	4,7446	528,59	10,351	200,00	574,87	1,0000	2,3724
1,0000	4,8911	527,24	10,659	202,50	575,97	1,0091	2,3713
2,0000	5,0410	525,88	10,975	205,02	577,06	1,0181	2,3703
3,0000	5,1943	524,51	11,299	207,54	578,16	1,0271	2,3692
4,0000	5,3510	523,13	11,630	210,06	579,24	1,0362	2,3682
5,0000	5,5112	521,75	11,969	212,60	580,33	1,0452	2,3672
6,0000	5,6749	520,36	12,315	215,14	581,41	1,0542	2,3663
7,0000	5,8422	518,96	12,670	217,69	582,48	1,0632	2,3653
8,0000	6,0131	517,56	13,032	220,25	583,55	1,0722	2,3644
9,0000	6,1877	516,15	13,403	222,82	584,61	1,0812	2,3635
10,000	6,3660	514,73	13,783	225,40	585,67	1,0902	2,3626
11,000	6,5481	513,30	14,171	227,98	586,73	1,0992	2,3617
12,000	6,7340	511,86	14,568	230,57	587,77	1,1082	2,3608
13,000	6,9238	510,42	14,973	233,18	588,82	1,1171	2,3600
14,000	7,1175	508,97	15,388	235,79	589,85	1,1261	2,3592
15,000	7,3151	507,50	15,813	238,40	590,89	1,1351	2,3583

TEGA – Technische Gase und Gasetechnik GmbH
 Werner-von-Siemens-Straße 18
 97076 Würzburg | Germany
 www.tega.de

Geschäftsführer: Dr. Jürgen Zöllner
 Sitz: Würzburg - Registergericht: Würzburg, HRB 21
 USt-IdNr.: DE 811145437

Deutsche Bank Würzburg

Telefon +49 931 2093-0
 Telefax +49 931 2093-101
 Email: info@tega.de

IBAN: DE707907001600202804 00
 BIC: DEUTDEMM790



16,000	7,5168	506,03	16,247	241,03	591,91	1,1440	2,3575
17,000	7,7225	504,55	16,691	243,67	592,93	1,1530	2,3567
18,000	7,9324	503,06	17,144	246,32	593,94	1,1620	2,3560
19,000	8,1464	501,57	17,608	248,97	594,95	1,1709	2,3552
20,000	8,3646	500,06	18,082	251,64	595,95	1,1799	2,3544
21,000	8,5871	498,54	18,567	254,31	596,94	1,1888	2,3537
22,000	8,8139	497,01	19,063	256,99	597,93	1,1978	2,3529
23,000	9,0451	495,47	19,570	259,69	598,91	1,2067	2,3522
24,000	9,2807	493,92	20,088	262,39	599,88	1,2157	2,3514
25,000	9,5207	492,36	20,618	265,11	600,84	1,2247	2,3507
26,000	9,7653	490,79	21,160	267,83	601,80	1,2336	2,3500
27,000	10,014	489,21	21,713	270,56	602,74	1,2426	2,3493
28,000	10,268	487,62	22,280	273,31	603,68	1,2515	2,3486
29,000	10,527	486,01	22,859	276,07	604,62	1,2605	2,3479
30,000	10,790	484,39	23,451	278,83	605,54	1,2695	2,3471
31,000	11,058	482,76	24,056	281,61	606,45	1,2784	2,3464
32,000	11,331	481,12	24,675	284,40	607,35	1,2874	2,3457
33,000	11,608	479,46	25,308	287,20	608,25	1,2964	2,3450
34,000	11,891	477,79	25,956	290,01	609,13	1,3053	2,3443
35,000	12,179	476,10	26,618	292,84	610,01	1,3143	2,3436
36,000	12,472	474,41	27,295	295,68	610,87	1,3233	2,3429
37,000	12,769	472,69	27,988	298,52	611,72	1,3323	2,3421
38,000	13,072	470,96	28,697	301,39	612,57	1,3413	2,3414
39,000	13,381	469,22	29,423	304,26	613,40	1,3503	2,3407
40,000	13,694	467,46	30,165	307,15	614,21	1,3594	2,3399
41,000	14,013	465,68	30,924	310,05	615,02	1,3684	2,3392
42,000	14,337	463,89	31,701	312,96	615,81	1,3774	2,3384
43,000	14,667	462,08	32,497	315,89	616,60	1,3865	2,3376
44,000	15,002	460,25	33,312	318,83	617,36	1,3955	2,3368
45,000	15,343	458,40	34,146	321,79	618,12	1,4046	2,3360
46,000	15,690	456,54	35,000	324,76	618,86	1,4137	2,3352
47,000	16,042	454,65	35,874	327,75	619,58	1,4228	2,3344
48,000	16,400	452,75	36,771	330,75	620,29	1,4319	2,3335
49,000	16,763	450,82	37,689	333,77	620,98	1,4410	2,3326
50,000	17,133	448,87	38,630	336,80	621,66	1,4502	2,3317
51,000	17,509	446,90	39,594	339,85	622,32	1,4594	2,3308
52,000	17,890	444,90	40,583	342,92	622,96	1,4685	2,3298
53,000	18,278	442,88	41,598	346,00	623,58	1,4778	2,3288
54,000	18,672	440,83	42,638	349,11	624,19	1,4870	2,3278
55,000	19,072	438,76	43,706	352,23	624,77	1,4962	2,3268
56,000	19,478	436,66	44,802	355,37	625,34	1,5055	2,3257
57,000	19,891	434,54	45,928	358,53	625,88	1,5148	2,3246
58,000	20,310	432,38	47,084	361,71	626,40	1,5241	2,3234
59,000	20,735	430,19	48,272	364,91	626,89	1,5335	2,3222
60,000	21,168	427,97	49,493	368,14	627,36	1,5429	2,3210
61,000	21,606	425,72	50,749	371,38	627,80	1,5523	2,3197
62,000	22,052	423,43	52,041	374,65	628,22	1,5617	2,3183
63,000	22,504	421,11	53,371	377,94	628,61	1,5712	2,3169

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64,000	22,963	418,74	54,740	381,26	628,96	1,5808	2,3155
65,000	23,430	416,34	56,152	384,60	629,29	1,5903	2,3139
66,000	23,903	413,89	57,607	387,97	629,58	1,6000	2,3123
67,000	24,383	411,40	59,109	391,37	629,84	1,6096	2,3107
68,000	24,871	408,86	60,659	394,80	630,06	1,6193	2,3089
69,000	25,365	406,27	62,260	398,26	630,23	1,6291	2,3071
70,000	25,868	403,62	63,916	401,75	630,37	1,6389	2,3052
71,000	26,377	400,92	65,630	405,28	630,46	1,6488	2,3032
72,000	26,895	398,16	67,405	408,84	630,51	1,6588	2,3010
73,000	27,420	395,34	69,245	412,44	630,51	1,6688	2,2988
74,000	27,952	392,44	71,155	416,08	630,45	1,6789	2,2964
75,000	28,493	389,47	73,140	419,76	630,33	1,6891	2,2939
76,000	29,042	386,42	75,205	423,49	630,15	1,6994	2,2913
77,000	29,599	383,29	77,356	427,27	629,91	1,7098	2,2885
78,000	30,164	380,06	79,601	431,10	629,60	1,7203	2,2856
79,000	30,737	376,73	81,948	434,98	629,21	1,7309	2,2824
80,000	31,319	373,29	84,406	438,93	628,73	1,7417	2,2791
81,000	31,909	369,73	86,986	442,94	628,16	1,7526	2,2756
82,000	32,509	366,03	89,701	447,03	627,49	1,7636	2,2718
83,000	33,117	362,18	92,565	451,19	626,71	1,7749	2,2677
84,000	33,734	358,17	95,597	455,45	625,80	1,7863	2,2633
85,000	34,361	353,96	98,818	459,81	624,75	1,7980	2,2586
86,000	34,997	349,54	102,25	464,28	623,54	1,8100	2,2534
87,000	35,643	344,86	105,94	468,88	622,14	1,8222	2,2478
88,000	36,299	339,90	109,92	473,63	620,53	1,8349	2,2416
89,000	36,965	334,58	114,24	478,56	618,66	1,8480	2,2348
90,000	37,641	328,83	119,00	483,71	616,47	1,8616	2,2272

TEGA – Technische Gase und Gasetechnik GmbH
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 97076 Würzburg | Germany
 www.tega.de

Telefon +49 931 2093-0
 Telefax +49 931 2093-101
 Email: info@tega.de

Geschäftsführer: Dr. Jürgen Zöllner
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Deutsche Bank Würzburg

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