

R 437A



Temperatur [°C]	Druck [bar]		Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-30,000	1,1251	0,92439	1364,8	4,9370	160,94	369,88	0,89215	1,7588
-29,000	1,1763	0,96906	1361,7	5,1614	162,22	370,51	0,89738	1,7578
-28,000	1,2292	1,0154	1358,7	5,3939	163,50	371,14	0,90259	1,7568
-27,000	1,2840	1,0635	1355,6	5,6345	164,78	371,77	0,90779	1,7558
-26,000	1,3407	1,1134	1352,6	5,8835	166,06	372,41	0,91298	1,7548
-25,000	1,3993	1,1652	1349,5	6,1412	167,35	373,03	0,91815	1,7539
-24,000	1,4599	1,2187	1346,4	6,4077	168,63	373,66	0,92331	1,7530
-23,000	1,5226	1,2743	1343,3	6,6832	169,92	374,29	0,92845	1,7521
-22,000	1,5874	1,3318	1340,2	6,9681	171,21	374,92	0,93359	1,7512
-21,000	1,6542	1,3913	1337,1	7,2624	172,51	375,54	0,93871	1,7504
-20,000	1,7233	1,4528	1334,0	7,5665	173,80	376,16	0,94381	1,7496
-19,000	1,7946	1,5165	1330,9	7,8805	175,10	376,78	0,94891	1,7488
-18,000	1,8682	1,5824	1327,7	8,2047	176,40	377,41	0,95399	1,7480
-17,000	1,9441	1,6504	1324,6	8,5394	177,70	378,02	0,95906	1,7472
-16,000	2,0223	1,7208	1321,4	8,8848	179,01	378,64	0,96412	1,7465
-15,000	2,1030	1,7934	1318,2	9,2411	180,31	379,26	0,96917	1,7458
-14,000	2,1862	1,8685	1315,0	9,6087	181,62	379,87	0,97421	1,7451
-13,000	2,2719	1,9459	1311,8	9,9877	182,93	380,49	0,97923	1,7444
-12,000	2,3601	2,0258	1308,6	10,378	184,25	381,10	0,98425	1,7437
-11,000	2,4510	2,1083	1305,4	10,781	185,56	381,71	0,98925	1,7431
-10,000	2,5446	2,1933	1302,1	11,196	186,88	382,32	0,99425	1,7424
-9,0000	2,6409	2,2809	1298,9	11,624	188,20	382,92	0,99923	1,7418
-8,0000	2,7400	2,3713	1295,6	12,064	189,53	383,53	1,0042	1,7412
-7,0000	2,8419	2,4644	1292,3	12,518	190,85	384,13	1,0092	1,7406
-6,0000	2,9467	2,5603	1289,0	12,985	192,18	384,73	1,0141	1,7401
-5,0000	3,0545	2,6590	1285,7	13,466	193,52	385,33	1,0191	1,7395
-4,0000	3,1653	2,7607	1282,4	13,961	194,85	385,93	1,0240	1,7390
-3,0000	3,2791	2,8653	1279,0	14,470	196,19	386,52	1,0289	1,7384
-2,0000	3,3960	2,9730	1275,7	14,994	197,53	387,11	1,0338	1,7379
-1,0000	3,5161	3,0837	1272,3	15,533	198,87	387,70	1,0388	1,7374
0,00000	3,6394	3,1976	1268,9	16,087	200,22	388,29	1,0437	1,7370
1,0000	3,7660	3,3147	1265,5	16,657	201,56	388,87	1,0485	1,7365
2,0000	3,8959	3,4350	1262,1	17,244	202,92	389,46	1,0534	1,7360
3,0000	4,0292	3,5587	1258,6	17,846	204,27	390,04	1,0583	1,7356
4,0000	4,1660	3,6857	1255,2	18,466	205,63	390,62	1,0632	1,7351
5,0000	4,3062	3,8162	1251,7	19,102	206,99	391,19	1,0680	1,7347
6,0000	4,4500	3,9502	1248,2	19,757	208,35	391,76	1,0729	1,7343
7,0000	4,5975	4,0878	1244,7	20,429	209,72	392,33	1,0777	1,7339
8,0000	4,7486	4,2290	1241,2	21,119	211,09	392,90	1,0826	1,7335
9,0000	4,9035	4,3739	1237,6	21,829	212,46	393,47	1,0874	1,7331
10,000	5,0622	4,5225	1234,0	22,558	213,84	394,03	1,0922	1,7327
11,000	5,2247	4,6749	1230,4	23,306	215,22	394,59	1,0970	1,7323
12,000	5,3911	4,8312	1226,8	24,075	216,60	395,14	1,1018	1,7319
13,000	5,5616	4,9915	1223,2	24,864	217,99	395,69	1,1067	1,7316
14,000	5,7361	5,1558	1219,5	25,674	219,38	396,24	1,1114	1,7312

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

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15,000	5,9146	5,3241	1215,9	26,506	220,77	396,79	1,1162	1,7309
16,000	6,0974	5,4966	1212,2	27,360	222,17	397,33	1,1210	1,7305
17,000	6,2844	5,6733	1208,4	28,236	223,57	397,87	1,1258	1,7302
18,000	6,4756	5,8543	1204,7	29,136	224,97	398,40	1,1306	1,7299
19,000	6,6712	6,0396	1200,9	30,059	226,38	398,93	1,1354	1,7295
20,000	6,8713	6,2293	1197,1	31,007	227,79	399,46	1,1401	1,7292
21,000	7,0758	6,4235	1193,3	31,980	229,21	399,98	1,1449	1,7289
22,000	7,2849	6,6222	1189,5	32,978	230,63	400,50	1,1497	1,7286
23,000	7,4985	6,8255	1185,6	34,002	232,06	401,02	1,1544	1,7283
24,000	7,7169	7,0336	1181,7	35,053	233,48	401,53	1,1592	1,7280
25,000	7,9400	7,2463	1177,7	36,131	234,92	402,04	1,1639	1,7277
26,000	8,1679	7,4640	1173,8	37,237	236,35	402,54	1,1687	1,7274
27,000	8,4007	7,6865	1169,8	38,373	237,80	403,04	1,1734	1,7271
28,000	8,6384	7,9139	1165,8	39,538	239,24	403,53	1,1782	1,7268
29,000	8,8811	8,1464	1161,7	40,733	240,69	404,02	1,1829	1,7265
30,000	9,1289	8,3841	1157,6	41,959	242,15	404,50	1,1876	1,7262
31,000	9,3819	8,6269	1153,5	43,217	243,61	404,98	1,1924	1,7258
32,000	9,6400	8,8750	1149,4	44,509	245,07	405,45	1,1971	1,7255
33,000	9,9035	9,1284	1145,2	45,834	246,54	405,92	1,2018	1,7252
34,000	10,172	9,3872	1140,9	47,193	248,02	406,38	1,2066	1,7249
35,000	10,446	9,6515	1136,7	48,588	249,50	406,84	1,2113	1,7246
36,000	10,726	9,9214	1132,4	50,020	250,98	407,29	1,2160	1,7243
37,000	11,011	10,197	1128,0	51,490	252,48	407,73	1,2208	1,7240
38,000	11,302	10,478	1123,7	52,998	253,97	408,17	1,2255	1,7237
39,000	11,599	10,765	1119,2	54,546	255,47	408,60	1,2302	1,7233
40,000	11,901	11,058	1114,8	56,135	256,98	409,03	1,2350	1,7230
41,000	12,210	11,357	1110,3	57,767	258,50	409,44	1,2397	1,7227
42,000	12,524	11,662	1105,7	59,442	260,02	409,85	1,2445	1,7223
43,000	12,844	11,973	1101,1	61,163	261,54	410,26	1,2492	1,7220
44,000	13,170	12,291	1096,5	62,930	263,07	410,65	1,2540	1,7216
45,000	13,503	12,614	1091,8	64,744	264,61	411,04	1,2587	1,7212
46,000	13,841	12,944	1087,0	66,609	266,16	411,42	1,2635	1,7208
47,000	14,186	13,281	1082,2	68,524	267,71	411,80	1,2682	1,7204
48,000	14,538	13,624	1077,4	70,493	269,27	412,16	1,2730	1,7200
49,000	14,896	13,973	1072,5	72,516	270,84	412,51	1,2777	1,7196
50,000	15,260	14,330	1067,5	74,596	272,41	412,86	1,2825	1,7192
51,000	15,631	14,693	1062,5	76,735	273,99	413,20	1,2873	1,7187
52,000	16,009	15,063	1057,4	78,935	275,58	413,52	1,2921	1,7183
53,000	16,393	15,441	1052,2	81,198	277,18	413,84	1,2969	1,7178
54,000	16,785	15,825	1047,0	83,527	278,79	414,14	1,3017	1,7173
55,000	17,183	16,217	1041,7	85,924	280,40	414,44	1,3065	1,7168
56,000	17,589	16,616	1036,3	88,393	282,03	414,72	1,3113	1,7163
57,000	18,001	17,022	1030,8	90,935	283,66	414,99	1,3161	1,7157
58,000	18,421	17,436	1025,3	93,554	285,30	415,25	1,3210	1,7151
59,000	18,848	17,858	1019,7	96,254	286,96	415,50	1,3259	1,7145
60,000	19,283	18,287	1014,0	99,039	288,62	415,73	1,3307	1,7139
61,000	19,725	18,724	1008,2	101,91	290,29	415,95	1,3356	1,7133
62,000	20,174	19,169	1002,3	104,88	291,98	416,15	1,3405	1,7126

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 Sitz: Würzburg - Registergericht: Würzburg, HRB 21
 USt-IdNr.: DE 811145437

Deutsche Bank Würzburg

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

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 BIC: DEUTDEMM790

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63,000	20,632	19,623	996,31	107,94	293,68	416,34	1,3454	1,7119
64,000	21,097	20,084	990,21	111,10	295,39	416,51	1,3504	1,7111
65,000	21,570	20,554	984,00	114,37	297,11	416,67	1,3553	1,7104
66,000	22,051	21,032	977,67	117,75	298,84	416,81	1,3603	1,7096
67,000	22,540	21,519	971,22	121,25	300,59	416,93	1,3653	1,7087
68,000	23,037	22,015	964,64	124,88	302,36	417,02	1,3703	1,7078
69,000	23,543	22,520	957,93	128,64	304,13	417,10	1,3754	1,7069
70,000	24,057	23,033	951,06	132,54	305,93	417,16	1,3805	1,7059
71,000	24,579	23,556	944,04	136,58	307,74	417,19	1,3856	1,7049
72,000	25,110	24,088	936,84	140,79	309,57	417,20	1,3907	1,7038
73,000	25,650	24,630	929,47	145,18	311,42	417,18	1,3959	1,7026
74,000	26,199	25,181	921,91	149,74	313,30	417,13	1,4012	1,7014
75,000	26,757	25,743	914,14	154,50	315,19	417,05	1,4064	1,7001
76,000	27,324	26,314	906,14	159,47	317,11	416,93	1,4117	1,6987
77,000	27,900	26,895	897,90	164,68	319,05	416,79	1,4171	1,6973
78,000	28,486	27,488	889,40	170,13	321,02	416,60	1,4225	1,6957
79,000	29,081	28,090	880,60	175,86	323,02	416,37	1,4280	1,6941
80,000	29,686	28,704	871,48	181,90	325,05	416,09	1,4336	1,6923
81,000	30,300	29,329	862,01	188,26	327,12	415,76	1,4393	1,6904
82,000	30,925	29,966	852,14	194,99	329,23	415,38	1,4450	1,6884
83,000	31,559	30,614	841,83	202,14	331,39	414,93	1,4509	1,6862
84,000	32,204	31,275	831,01	209,76	333,59	414,41	1,4568	1,6839
85,000	32,860	31,948	819,61	217,92	335,86	413,81	1,4629	1,6813
86,000	33,525	32,635	807,53	226,69	338,19	413,12	1,4692	1,6785
87,000	34,202	33,335	794,66	236,20	340,60	412,32	1,4757	1,6755
88,000	34,889	34,049	780,84	246,57	343,10	411,38	1,4824	1,6721
89,000	35,587	34,779	765,83	258,01	345,72	410,30	1,4894	1,6683
90,000	36,296	35,525	749,33	270,80	348,49	409,01	1,4968	1,6639

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