

R 1234yf



Temperatur [°C]	Druck [bar]	Dichte [kg/m³]		Enthalpie [kJ/kg]		Entropie [J/kg*K]	
		flüssig	gasförmig	flüssig	gasförmig	flüssig	gasförmig
-30,000	0,99056	1264,5	5,8553	162,81	343,32	0,85658	1,5990
-29,000	1,0350	1261,8	6,1019	164,00	344,00	0,86145	1,5987
-28,000	1,0810	1259,0	6,3566	165,20	344,67	0,86632	1,5984
-27,000	1,1286	1256,2	6,6196	166,39	345,34	0,87118	1,5982
-26,000	1,1778	1253,4	6,8911	167,60	346,02	0,87604	1,5980
-25,000	1,2286	1250,5	7,1712	168,80	346,69	0,88088	1,5978
-24,000	1,2812	1247,7	7,4602	170,01	347,36	0,88572	1,5976
-23,000	1,3355	1244,9	7,7584	171,22	348,04	0,89056	1,5974
-22,000	1,3916	1242,0	8,0658	172,43	348,71	0,89538	1,5973
-21,000	1,4495	1239,2	8,3826	173,65	349,38	0,90020	1,5971
-20,000	1,5092	1236,3	8,7093	174,87	350,05	0,90501	1,5970
-19,000	1,5709	1233,4	9,0458	176,09	350,72	0,90982	1,5969
-18,000	1,6344	1230,5	9,3925	177,32	351,39	0,91462	1,5968
-17,000	1,7000	1227,6	9,7495	178,55	352,06	0,91941	1,5968
-16,000	1,7676	1224,7	10,117	179,79	352,73	0,92420	1,5967
-15,000	1,8372	1221,8	10,496	181,02	353,40	0,92898	1,5967
-14,000	1,9090	1218,8	10,885	182,27	354,06	0,93375	1,5967
-13,000	1,9829	1215,9	11,286	183,51	354,73	0,93852	1,5967
-12,000	2,0590	1212,9	11,699	184,76	355,39	0,94328	1,5967
-11,000	2,1373	1209,9	12,123	186,01	356,06	0,94804	1,5967
-10,000	2,2178	1207,0	12,559	187,26	356,72	0,95279	1,5968
-9,0000	2,3007	1203,9	13,008	188,52	357,38	0,95754	1,5968
-8,0000	2,3860	1200,9	13,469	189,78	358,04	0,96228	1,5969
-7,0000	2,4736	1197,9	13,943	191,05	358,70	0,96701	1,5969
-6,0000	2,5637	1194,9	14,431	192,31	359,36	0,97174	1,5970
-5,0000	2,6563	1191,8	14,931	193,59	360,02	0,97646	1,5971
-4,0000	2,7514	1188,7	15,446	194,86	360,68	0,98118	1,5973
-3,0000	2,8491	1185,6	15,974	196,14	361,33	0,98589	1,5974
-2,0000	2,9495	1182,5	16,517	197,42	361,99	0,99060	1,5975
-1,0000	3,0525	1179,4	17,074	198,71	362,64	0,99530	1,5977
0,00000	3,1582	1176,3	17,647	200,00	363,29	1,0000	1,5978
1,0000	3,2667	1173,1	18,234	201,29	363,94	1,0047	1,5980
2,0000	3,3780	1170,0	18,837	202,59	364,59	1,0094	1,5981
3,0000	3,4922	1166,8	19,457	203,89	365,23	1,0141	1,5983
4,0000	3,6092	1163,6	20,092	205,20	365,88	1,0187	1,5985
5,0000	3,7292	1160,4	20,744	206,50	366,52	1,0234	1,5987
6,0000	3,8523	1157,2	21,413	207,82	367,16	1,0281	1,5989
7,0000	3,9783	1153,9	22,100	209,13	367,80	1,0328	1,5991
8,0000	4,1075	1150,6	22,804	210,45	368,44	1,0374	1,5993
9,0000	4,2398	1147,3	23,526	211,78	369,07	1,0421	1,5996
10,000	4,3753	1144,0	24,267	213,10	369,70	1,0467	1,5998
11,000	4,5141	1140,7	25,027	214,43	370,33	1,0514	1,6000
12,000	4,6561	1137,4	25,807	215,77	370,96	1,0560	1,6003
13,000	4,8015	1134,0	26,606	217,11	371,59	1,0607	1,6005
14,000	4,9503	1130,6	27,425	218,45	372,21	1,0653	1,6008
15,000	5,1025	1127,2	28,266	219,80	372,83	1,0699	1,6010

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16,000	5,2583	1123,8	29,127	221,15	373,45	1,0746	1,6013
17,000	5,4176	1120,3	30,011	222,51	374,06	1,0792	1,6016
18,000	5,5804	1116,9	30,916	223,87	374,67	1,0838	1,6018
19,000	5,7470	1113,4	31,845	225,23	375,28	1,0885	1,6021
20,000	5,9172	1109,9	32,796	226,60	375,89	1,0931	1,6024
21,000	6,0912	1106,3	33,772	227,97	376,49	1,0977	1,6026
22,000	6,2690	1102,8	34,772	229,34	377,09	1,1023	1,6029
23,000	6,4507	1099,2	35,797	230,73	377,69	1,1069	1,6032
24,000	6,6363	1095,5	36,848	232,11	378,28	1,1115	1,6034
25,000	6,8258	1091,9	37,925	233,50	378,87	1,1162	1,6037
26,000	7,0194	1088,2	39,029	234,89	379,45	1,1208	1,6040
27,000	7,2171	1084,5	40,161	236,29	380,03	1,1254	1,6043
28,000	7,4189	1080,8	41,321	237,69	380,61	1,1300	1,6045
29,000	7,6249	1077,1	42,510	239,10	381,18	1,1346	1,6048
30,000	7,8351	1073,3	43,729	240,51	381,75	1,1392	1,6051
31,000	8,0497	1069,5	44,979	241,93	382,31	1,1438	1,6053
32,000	8,2686	1065,7	46,260	243,35	382,87	1,1484	1,6056
33,000	8,4919	1061,8	47,573	244,78	383,43	1,1530	1,6059
34,000	8,7197	1057,9	48,920	246,21	383,98	1,1576	1,6061
35,000	8,9521	1054,0	50,301	247,64	384,52	1,1622	1,6064
36,000	9,1890	1050,0	51,717	249,09	385,06	1,1668	1,6066
37,000	9,4306	1046,0	53,169	250,53	385,60	1,1714	1,6068
38,000	9,6769	1042,0	54,658	251,98	386,13	1,1759	1,6071
39,000	9,9280	1037,9	56,186	253,44	386,65	1,1805	1,6073
40,000	10,184	1033,8	57,753	254,90	387,17	1,1851	1,6075
41,000	10,445	1029,6	59,360	256,37	387,68	1,1897	1,6077
42,000	10,711	1025,5	61,010	257,84	388,19	1,1943	1,6079
43,000	10,981	1021,2	62,702	259,32	388,69	1,1989	1,6081
44,000	11,257	1017,0	64,440	260,81	389,18	1,2035	1,6083
45,000	11,538	1012,6	66,223	262,30	389,66	1,2082	1,6085
46,000	11,825	1008,3	68,053	263,80	390,14	1,2128	1,6087
47,000	12,116	1003,9	69,933	265,30	390,61	1,2174	1,6088
48,000	12,413	999,44	71,863	266,81	391,08	1,2220	1,6089
49,000	12,715	994,94	73,846	268,33	391,53	1,2266	1,6091
50,000	13,023	990,38	75,884	269,85	391,98	1,2312	1,6092
51,000	13,337	985,77	77,978	271,38	392,42	1,2359	1,6093
52,000	13,656	981,10	80,130	272,92	392,85	1,2405	1,6094
53,000	13,980	976,38	82,343	274,47	393,27	1,2452	1,6094
54,000	14,311	971,59	84,619	276,02	393,68	1,2498	1,6095
55,000	14,647	966,73	86,961	277,58	394,08	1,2545	1,6095
56,000	14,989	961,80	89,371	279,15	394,48	1,2592	1,6095
57,000	15,338	956,81	91,852	280,73	394,86	1,2638	1,6095
58,000	15,692	951,73	94,407	282,32	395,23	1,2685	1,6095
59,000	16,052	946,58	97,040	283,92	395,58	1,2732	1,6094
60,000	16,419	941,34	99,754	285,53	395,93	1,2779	1,6093
61,000	16,792	936,02	102,55	287,14	396,26	1,2827	1,6092
62,000	17,171	930,60	105,44	288,77	396,58	1,2874	1,6091
63,000	17,557	925,08	108,42	290,41	396,89	1,2922	1,6089

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64,000	17,949	919,46	111,50	292,06	397,18	1,2969	1,6087
65,000	18,348	913,73	114,68	293,72	397,46	1,3017	1,6085
66,000	18,754	907,89	117,96	295,39	397,71	1,3065	1,6082
67,000	19,166	901,93	121,37	297,08	397,96	1,3114	1,6079
68,000	19,586	895,83	124,89	298,78	398,18	1,3162	1,6076
69,000	20,012	889,60	128,54	300,49	398,38	1,3211	1,6072
70,000	20,445	883,23	132,33	302,22	398,57	1,3260	1,6068
71,000	20,886	876,70	136,27	303,96	398,73	1,3309	1,6063
72,000	21,334	870,01	140,36	305,72	398,87	1,3359	1,6058
73,000	21,789	863,15	144,61	307,50	398,98	1,3409	1,6052
74,000	22,252	856,10	149,04	309,30	399,07	1,3459	1,6045
75,000	22,723	848,85	153,67	311,11	399,13	1,3510	1,6038
76,000	23,201	841,38	158,51	312,95	399,16	1,3561	1,6030
77,000	23,687	833,68	163,57	314,81	399,15	1,3612	1,6021
78,000	24,181	825,73	168,87	316,69	399,11	1,3664	1,6011
79,000	24,684	817,51	174,45	318,60	399,03	1,3717	1,6001
80,000	25,194	808,98	180,33	320,54	398,90	1,3770	1,5989

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