Tabelle di saturazione dell'acqua

Tratto da VDI Atlas/ed. Verein Deutscher Ingenieure. - Düsseldorf: VDI-Verl., 1993

		liquido saturo		vapore saturo	liquido saturo		vapore saturo	liquido saturo		vapore saturo
P (bar)	**T (°C)**	**v_L (m^3/kg)**	**v_v-v_L (m^3/kg)**	**v_v (m^3/kg)**	**h_L (kJ/kg)**	**h_v–h_L (kJ/kg)**	**h_v (kJ/kg)**	**s_L (kJ/kgK)**	**s_v–s_L (kJ/kgK)**	**s_v (kJ/kgK)**
0.00611	0.01	0.0010002	206.1619	206.1629	0.0	2501.6	2501.6	0.0000	9.1575	9.1575
0.01	6.98	0.0010001	129.2097	129.2107	29.3	2485.0	2514.4	0.1060	8.8706	8.9767
0.02	17.51	0.0010012	67.0106	67.0116	73.5	2460.2	2533.6	0.2606	8.4640	8.7246
0.03	24.10	0.0010027	45.6690	45.6700	101.0	2444.6	2545.6	0.3543	8.2242	8.5785
0.04	28.98	0.0010040	34.8023	34.8033	121.4	2433.1	2554.5	0.4225	8.0530	8.4755
0.05	32.90	0.0010052	28.1935	28.1945	137.8	2423.8	2561.6	0.4763	7.9197	8.3960
0.06	36.18	0.0010064	23.7396	23.7406	151.5	2416.0	2567.5	0.5209	7.8103	8.3312
0.07	39.03	0.0010074	20.5294	20.5304	163.4	2409.2	2572.6	0.5591	7.7176	8.2767
0.08	41.54	0.0010084	18.1028	18.1038	173.9	2403.2	2577.1	0.5926	7.6370	8.2295
0.09	43.79	0.0010094	16.2024	16.2034	183.3	2397.9	2581.1	0.6224	7.5657	8.1881
0.10	45.83	0.0010102	14.6727	14.6737	191.8	2392.9	2584.8	0.6493	7.5018	8.1511
0.15	54.00	0.0010140	10.0211	10.0221	226.0	2373.2	2599.2	0.7549	7.2544	8.0093
0.20	60.09	0.0010172	7.6482	7.6492	251.5	2358.4	2609.9	0.8321	7.0773	7.9094
0.25	64.99	0.0010199	6.2030	6.2040	272.0	2346.4	2618.3	0.8933	6.9390	7.8323
0.30	69.13	0.0010223	5.2280	5.2290	289.3	2336.1	2625.4	0.9441	6.8254	7.7695
0.35	72.71	0.0010245	4.5245	4.5255	304.3	2327.2	2631.5	0.9878	6.7288	7.7166
0.40	75.89	0.0010265	3.9922	3.9932	317.7	2319.2	2636.9	1.0261	6.6448	7.6709
0.45	78.74	0.0010284	3.5751	3.5761	329.6	2312.0	2641.7	1.0603	6.5703	7.6306
0.50	81.35	0.0010301	3.2391	3.2401	340.6	2305.4	2646.0	1.0912	6.5035	7.5947
0.60	85.95	0.0010333	2.7307	2.7317	359.9	2293.6	2653.6	1.1455	6.3872	7.5327
0.70	89.96	0.0010361	2.3637	2.3647	376.8	2283.3	2660.1	1.1921	6.2883	7.4804
0.80	93.51	0.0010387	2.0859	2.0869	391.7	2274.0	2665.8	1.2330	6.2022	7.4352
0.90	96.71	0.0010412	1.8681	1.8691	405.2	2265.6	2670.9	1.2696	6.1258	7.3954
1.00	99.63	0.0010434	1.6927	1.6937	417.5	2257.9	2675.4	1.3027	6.0571	7.3598
1.01325	100.00	0.0010437	1.6720	1.6730	419.1	2256.9	2676.0	1.3069	6.0485	7.3554
1.20	104.81	0.0010476	1.4271	1.4281	439.4	2244.1	2683.4	1.3609	5.9375	7.2984
1.40	109.32	0.0010513	1.2352	1.2363	458.4	2231.9	2690.3	1.4109	5.8356	7.2465
1.60	113.32	0.0010547	1.0900	1.0911	475.4	2220.9	2696.2	1.4550	5.7467	7.2017
1.80	116.93	0.0010579	0.97612	0.9772	490.7	2210.8	2701.5	1.4944	5.6677	7.1622
2.00	120.23	0.0010608	0.88434	0.8854	504.7	2201.6	2706.3	1.5301	5.5967	7.1268
2.50	127.43	0.0010676	0.71733	0.7184	535.4	2181.0	2716.4	1.6072	5.4448	7.0520
3.00	133.54	0.0010735	0.60446	0.6055	561.4	2163.2	2724.7	1.6717	5.3192	6.9909
3.50	138.88	0.0010789	0.52289	0.5240	584.3	2147.3	2731.6	1.7273	5.2118	6.9392
4.00	143.63	0.0010839	0.46112	0.4622	604.7	2132.9	2737.6	1.7764	5.1179	6.8943
4.50	147.92	0.0010885	0.41264	0.4137	623.2	2119.7	2742.9	1.8204	5.0342	6.8547
5.00	151.85	0.0010928	0.37357	0.3747	640.1	2107.4	2747.5	1.8604	4.9588	6.8192
6.00	158.84	0.0011009	0.31436	0.3155	670.4	2085.0	2755.5	1.9308	4.8267	6.7575
7.00	164.96	0.0011082	0.27157	0.2727	697.1	2064.9	2762.0	1.9918	4.7134	6.7052
8.00	170.41	0.0011150	0.23915	0.2403	720.9	2046.5	2767.5	2.0457	4.6139	6.6596
9.00	175.36	0.0011213	0.21370	0.2148	742.6	2029.5	2772.1	2.0941	4.5251	6.6192
10.00	179.88	0.0011274	0.19317	0.1943	762.6	2013.6	2776.2	2.1382	4.4447	6.5828
11.00	184.06	0.0011331	0.17626	0.1774	781.1	1991.6	2779.7	2.1786	4.3712	6.5498
12.00	187.96	0.0011386	0.16207	0.1632	798.4	1984.3	2782.7	2.2160	4.3034	6.5194
13.00	191.60	0.0011438	0.15000	0.1511	814.7	1970.7	2785.4	2.2509	4.2404	6.4913
14.00	195.04	0.0011489	0.13958	0.1407	830.1	1957.7	2787.8	2.2836	4.1815	6.4651
15.00	198.28	0.0011538	0.13052	0.1317	844.6	1945.3	2789.9	2.3144	4.1262	6.4406
16.00	201.37	0.0011586	0.12254	0.1237	858.5	1933.2	2791.7	2.3436	4.0740	6.4176
17.00	204.30	0.0011633	0.11548	0.1166	871.8	1921.6	2793.4	2.3712	4.0246	6.3958
18.00	207.11	0.0011678	0.10916	0.1103	884.5	1910.3	2794.8	2.3976	3.9776	6.3751
19.00	209.79	0.0011723	0.10350	0.1047	896.8	1899.3	2796.1	2.4227	3.9327	6.3555
20.00	212.37	0.0011766	0.0983724	0.099549	908.6	1888.7	2797.2	2.4468	3.8899	6.3367
25.00	223.94	0.0011972	0.0787178	0.079915	961.9	1839.0	2800.9	2.5542	3.6994	6.2537
30.00	233.84	0.0012163	0.0654157	0.066632	1008.3	1794.0	2802.3	2.6455	3.5383	6.1838
35.00	242.54	0.0012345	0.0557935	0.057028	1049.7	1752.2	2802.0	2.7252	3.3976	6.1229
40.00	250.33	0.0012521	0.0484969	0.049749	1087.4	1712.9	2800.3	2.7965	3.2720	6.0685
45.00	257.41	0.0012691	0.0427659	0.044035	1122.1	1675.6	2797.7	2.8612	3.1579	6.0191
50.00	263.92	0.0012858	0.0381392	0.039425	1154.5	1639.7	2794.2	2.9207	3.0528	5.9735
55.00	269.94	0.0013023	0.0343217	0.035624	1184.9	1605.0	2789.9	2.9758	2.9551	5.9309
60.00	275.56	0.0013187	0.0311143	0.032433	1213.7	1571.3	2785.0	3.0274	2.8633	5.8907
65.00	280.83	0.0013350	0.0283790	0.029714	1241.2	1538.3	2779.5	3.0760	2.7766	5.8526
70.00	285.80	0.0013514	0.0260166	0.027368	1267.5	1506.0	2773.4	3.1220	2.6941	5.8161
75.00	290.51	0.0013678	0.0239552	0.025323	1292.7	1474.1	2766.9	3.1658	2.6152	5.7810
80.00	294.98	0.0013843	0.0221367	0.023521	1317.2	1442.7	2759.9	3.2077	2.5393	5.7470
85.00	299.24	0.0014010	0.0205220	0.021923	1340.8	1411.6	2752.4	3.2480	2.4661	5.7141
90.00	303.31	0.0014179	0.0190751	0.020493	1363.8	1380.8	2744.6	3.2867	2.3952	5.6820
95.00	307.22	0.0014351	0.0177709	0.019206	1386.2	1350.2	2736.3	3.3242	2.3264	5.6506
100.00	310.96	0.0014526	0.0169574	0.018410	1408.1	1319.7	2727.7	3.3606	2.2592	5.6198
110.00	318.04	0.0014887	0.0145183	0.016007	1450.6	1258.8	2709.3	3.4304	2.1292	5.5596
120.00	324.64	0.0015267	0.0127583	0.014285	1491.7	1197.5	2689.2	3.4971	2.0032	5.5003
130.00	330.81	0.0015671	0.0112329	0.012800	1531.9	1135.1	2667.0	3.5614	1.8795	5.4409
140.00	336.63	0.0016105	0.0098875	0.011498	1571.5	1070.9	2642.4	3.6241	1.7564	5.3804
150.00	342.12	0.0016578	0.0086852	0.010343	1610.9	1004.2	2615.1	3.6857	1.6323	5.3180
160.00	347.32	0.0017102	0.0075997	0.0093099	1650.4	934.5	2584.9	3.7470	1.5063	5.2533
170.00	352.26	0.0017695	0.0066026	0.0083721	1691.6	860.0	2551.6	3.8106	1.3749	5.1856
180.00	356.96	0.0018399	0.0056574	0.0074973	1734.8	779.0	2513.9	3.8766	1.2362	5.1127
190.00	361.44	0.0019262	0.0047497	0.0066759	1778.7	691.8	2470.5	3.9430	1.0900	5.0330
200.00	365.71	0.0020374	0.0038371	0.0058745	1826.6	591.6	2418.2	4.0151	0.9259	4.9410
210.00	369.79	0.0022018	0.0028207	0.0050225	1886.3	461.2	2347.5	4.1040	0.7172	4.8222
220.00	373.78	0.0026675	0.0010672	0.0037347	2010.3	186.3	2196.6	4.2934	0.2881	4.5814
221.20	374.15	0.0031700	0.0000000	0.0031700	2107.4	0.0	2107.4	4.4429	0.0000	4.4429

Tabelle di saturazione dell'acqua

Tratto da VDI Atlas/ed. Verein Deutscher Ingenieure. - Düsseldorf: VDI-Verl., 1993

		liquido saturo		vapore saturo	liquido saturo		vapore saturo	liquido saturo		vapore saturo
T (°C)	P (bar)	v_L (m^3/kg)	v_V-v_L (m^3/kg)	v_V (m^3/kg)	h_L (kJ/kg)	h_V–h_L (kJ/kg)	h_V (kJ/kg)	s_L (kJ/kgK)	s_V–s_L (kJ/kgK)	s_V (kJ/kgK)
0.01	0.006112	0.001000	206.162	206.163	0.0	2501.6	2501.6	0.0000	9.1575	9.1575
2	0.007055	0.001000	179.922	179.923	8.4	2496.8	2505.2	0.0306	9.0741	9.1047
4	0.008129	0.001000	157.271	157.272	16.8	2492.1	2508.9	0.0611	8.9915	9.0526
6	0.009345	0.001000	137.779	137.78	25.2	2487.4	2512.6	0.0913	8.9102	9.0015
8	0.01072	0.001000	120.965	120.966	33.6	2482.6	2516.2	0.1213	8.8300	8.9513
10	0.01227	0.001000	106.429	106.43	42.0	2477.9	2519.9	0.1510	8.7510	8.9020
15	0.017139	0.001001	77.977	77.978	62.9	2466.1	2529.1	0.2243	8.5582	8.7826
20	0.023366	0.001002	57.837	57.838	83.9	2454.3	2538.2	0.2963	8.3721	8.6684
25	0.03166	0.001003	43.401	43.402	104.8	2442.5	2547.3	0.3670	8.1922	8.5592
30	0.042415	0.001004	32.928	32.929	125.7	2430.7	2556.4	0.4365	8.0181	8.4546
35	0.056216	0.001006	25.244	25.245	146.6	2418.8	2565.4	0.5049	7.8495	8.3543
40	0.07375	0.001008	19.545	19.546	167.5	2406.9	2574.4	0.5721	7.6861	8.2583
45	0.09582	0.001010	15.275	15.276	188.4	2394.9	2583.3	0.6383	7.5277	8.1661
50	0.12335	0.001012	12.045	12.046	209.3	2382.9	2592.2	0.7035	7.3741	8.0776
55	0.15741	0.001015	9.5779	9.5789	230.2	2370.8	2601.0	0.7677	7.2248	7.9925
60	0.1992	0.001017	7.6775	7.6785	251.1	2358.6	2609.7	0.8310	7.0798	7.9108
65	0.25009	0.001020	6.2013	6.2023	272.0	2346.3	2618.4	0.8933	6.9388	7.8321
70	0.31162	0.001023	5.0453	5.0463	293.0	2334.0	2626.9	0.9548	6.8017	7.7565
75	0.38549	0.001026	4.1331	4.1341	313.9	2321.5	2635.4	1.0154	6.6681	7.6835
80	0.4736	0.001029	3.4081	3.4091	334.9	2308.8	2643.8	1.0753	6.5380	7.6133
85	0.57803	0.001033	2.8278	2.8288	355.9	2296.1	2652.0	1.1343	6.4111	7.5454
90	0.70109	0.001036	2.3603	2.3613	376.9	2283.2	2660.1	1.1925	6.2873	7.4798
95	0.84526	0.001040	1.9812	1.9822	398.0	2270.2	2668.1	1.2501	6.1665	7.4166
100	1.01325	0.001044	1.672	1.673	419.1	2256.9	2676.0	1.3069	6.0485	7.3554
105	1.208	0.001048	1.4183	1.4193	440.2	2243.6	2683.7	1.3630	5.9331	7.2962
110	1.4327	0.001052	1.2089	1.2099	461.3	2230.0	2691.3	1.4185	5.8203	7.2388
115	1.6906	0.001056	1.0353	1.0363	482.5	2216.2	2698.7	1.4733	5.7099	7.1832
120	1.9854	0.001061	0.89046	0.89152	503.7	2202.2	2706.0	1.5276	5.6017	7.1293
125	2.321	0.001065	0.76917	0.77023	525.0	2188.0	2713.0	1.5813	5.4957	7.0769
130	2.7013	0.001070	0.66707	0.66814	546.3	2173.6	2719.9	1.6344	5.3917	7.0261
135	3.1308	0.001075	0.58074	0.58181	567.7	2158.9	2726.6	1.6869	5.2897	6.9766
140	3.6138	0.001080	0.50741	0.50849	589.1	2144.0	2733.1	1.7390	5.1894	6.9284
145	4.1552	0.001085	0.44489	0.44597	610.6	2128.7	2739.3	1.7906	5.0910	6.8815
150	4.76	0.001091	0.39136	0.39245	632.1	2113.2	2745.4	1.8416	4.9941	6.8358
155	5.4333	0.001096	0.34555	0.34644	653.8	2097.4	2751.2	1.8923	4.8989	6.7911
160	6.1806	0.001102	0.30566	0.30676	675.5	2081.3	2756.7	1.9425	4.8050	6.7473
165	7.0077	0.001108	0.27129	0.2724	697.3	2064.8	2762.0	1.9923	4.7126	6.7048
170	7.9202	0.001115	0.24144	0.24255	719.1	2047.9	2767.1	2.0416	4.6214	6.6630
175	8.9244	0.001121	0.21542	0.21654	741.1	2030.7	2771.8	2.0906	4.5314	6.6221
180	10.027	0.001128	0.19267	0.1938	763.1	2013.2	2776.3	2.1393	4.4426	6.5819
185	11.233	0.001134	0.17263	0.17386	785.3	1995.2	2780.4	2.1876	4.3548	6.5424
190	12.551	0.001142	0.15518	0.15632	807.5	1976.7	2784.3	2.2356	4.2680	6.5036
195	13.987	0.001149	0.13969	0.14084	829.9	1957.9	2787.8	2.2833	4.1821	6.4654
200	15.549	0.001157	0.12601	0.12716	852.4	1938.6	2790.9	2.3307	4.0971	6.4278
205	17.243	0.001164	0.11387	0.11503	875.0	1918.8	2793.8	2.3778	4.0128	6.3906
210	19.077	0.001173	0.10307	0.10424	897.7	1898.5	2796.2	2.4247	3.9293	6.3539
215	21.06	0.001181	0.09345	0.094625	920.6	1877.6	2798.3	2.4713	3.8463	6.3176
220	23.198	0.001190	0.08485	0.086038	943.7	1856.2	2799.9	2.5178	3.7639	6.2817
225	25.501	0.001199	0.07115	0.078349	966.9	1834.3	2801.2	2.5641	3.6820	6.2461
230	27.976	0.001209	0.07024	0.07145	990.3	1811.7	2802.0	2.6102	3.6006	6.2107
235	30.632	0.001219	0.06403	0.064245	1013.8	1788.5	2802.3	2.6561	3.5194	6.1756
240	33.478	0.001229	0.05842	0.059645	1037.6	1764.6	2802.2	2.7020	3.4386	6.1406
245	36.523	0.001240	0.05137	0.054606	1061.6	1740.0	2801.6	2.7478	3.3579	6.1057
250	39.776	0.001251	0.04879	0.050037	1085.8	1714.7	2800.4	2.7935	3.2773	6.0708
255	43.246	0.001263	0.04879	0.045896	1110.2	1688.5	2798.7	2.8392	3.1968	6.0359
260	46.943	0.001276	0.04086	0.04213	1134.9	1661.5	2796.4	2.8848	3.1161	6.0010
265	50.877	0.001289	0.03743	0.03871	1159.9	1633.5	2793.5	2.9306	3.0353	5.9658
270	55.058	0.001303	0.03429	0.035588	1185.2	1604.6	2789.9	2.9763	2.9541	5.9304
275	59.496	0.001317	0.03142	0.032736	1210.9	1574.7	2785.5	3.0222	2.8725	5.8947
280	64.202	0.001332	0.0288	0.030126	1236.8	1543.6	2780.4	3.0683	2.7903	5.8586
285	69.186	0.001349	0.02638	0.027733	1263.2	1511.3	2774.5	3.1146	2.7074	5.8220
290	74.461	0.001366	0.02417	0.025535	1290.0	1477.6	2767.6	3.1611	2.6237	5.7848
295	80.037	0.001384	0.02213	0.023513	1317.3	1442.6	2759.8	3.2079	2.5389	5.7469
300	85.927	0.001404	0.02025	0.021649	1345.1	1406.0	2751.0	3.2552	2.4529	5.7081
305	92.144	0.001425	0.01841	0.019927	1373.4	1367.7	2741.1	3.3029	2.3656	5.6685
310	98.7	0.001443	0.01688	0.018334	1402.4	1327.6	2730.0	3.3512	2.2766	5.6278
315	105.61	0.001473	0.01509	0.016856	1432.1	1285.5	2717.6	3.4002	2.1856	5.5858
320	112.89	0.001500	0.01398	0.01548	1462.6	1241.1	2703.7	3.4500	2.0923	5.5423
325	120.56	0.001529	0.01267	0.014195	1494.0	1194.0	2688.0	3.5008	1.9961	5.4969
330	128.63	0.001562	0.01143	0.012989	1526.5	1143.6	2670.2	3.5528	1.8962	5.4490
335	137.12	0.001598	0.01026	0.011854	1560.3	1089.5	2649.7	3.6063	1.7916	5.3979
340	146.05	0.001639	0.00914	0.01078	1595.5	1030.7	2626.2	3.6616	1.6811	5.3427
345	155.45	0.001686	0.00807	0.009763	1632.5	966.4	2598.9	3.7193	1.5636	5.2828
350	165.35	0.001741	0.00706	0.008799	1671.9	895.7	2567.7	3.7800	1.4376	5.2177
355	175.77	0.001809	0.00605	0.007859	1716.6	813.8	2530.4	3.8489	1.2953	5.1442
360	186.75	0.001896	0.00504	0.006939	1764.2	721.3	2485.4	3.9210	1.1390	5.0600
365	198.33	0.002016	0.00399	0.006011	1818.0	610.0	2428.0	4.0021	0.9558	4.9579
370	210.54	0.002214	0.00276	0.004972	1890.2	452.6	2342.8	4.1108	0.7036	4.8144
374	220.81	0.002843	0.00063	0.003465	2046.7	109.5	2156.2	4.3493	0.1692	4.5185
374.15	221.2	0.003170	0	0.00317	2107.4	0.0	2107.4	4.4429	0.0000	4.4429

Tabelle vapore surriscaldato dell'acqua

Tratto da VDI Atlas/ed. Verein Deutscher Ingenieure. - Düsseldorf: VDI-Verl., 1993

P (bar)			Temperatura											
Ts (°C)			50	100	150	200	250	300	350	400	500	600	700	800
	v	m3/kg	74.524	86.08	97.628	109.171	120.711	132.251	143.79	155.329	178.405	201.482	224.558	247.634
0.02	h	kJ/kg	2594.4	2688.5	2783.7	2880	2977.7	3076.8	3177.7	3279.7	3489.2	3705.6	3928.8	4158.7
17.5	s	kJ/kgK	8.9226	9.1934	9.4327	9.6479	9.8441	10.0251	10.1934	10.3512	10.6413	10.9044	11.1464	11.3712
	v	m3/kg	37.24	43.027	48.806	54.58	60.351	66.122	71.892	77.662	89.201	100.74	112.278	123.816
0.04	h	kJ/kg	2593.9	2688.3	2783.5	2879.9	2977.6	3076.8	3177.4	3279.7	3489.2	3705.6	3928.8	4158.7
29	s	kJ/kgK	8.6016	8.873	9.1125	9.3279	9.5241	9.7051	9.8735	10.0313	10.3214	10.5845	10.8265	11.0513
	v	m3/kg	24.812	28.676	32.532	37.383	40.232	44.079	47.927	51.773	59.467	67.159	74.852	82.544
0.06	h	kJ/kg	2593.5	2688	2783.4	2879.8	2977.6	3076.7	3177.4	3279.6	3489.2	3705.6	3928.8	4158.7
36.2	s	kJ/kgK	8.4135	8.6854	8.9251	9.1406	9.3369	9.5179	9.6863	9.8441	10.1342	10.3973	10.6394	10.8642
	v	m3/kg	18.598	21.501	24.395	27.284	30.172	33.058	35.944	38.829	44.599	50.369	56.138	61.908
0.08	h	kJ/kg	2593.1	2687.8	2783.2	2879.7	2977.5	3076.7	3177.3	3279.6	3489.1	3705.5	3928.8	4158.7
41.5	s	kJ/kgK	8.2797	8.5521	8.7921	9.0077	9.2041	9.3851	9.5535	9.7113	10.0014	10.2646	10.5066	10.7314
	v	m3/kg	14.869	17.195	19.512	21.825	24.136	26.445	28.754	31.062	35.679	40.295	44.91	49.526
0.1	h	kJ/kg	2592.7	2687.5	2783.1	2879.6	2977.4	3076.6	3177.3	3279.6	3489.1	3705.5	3928.8	4158.7
45.8	s	kJ/kgK	8.1757	8.4486	8.6888	8.9045	9.101	9.282	9.4504	9.6083	9.8984	10.1616	10.4036	10.6284
	v	m3/kg		3.4181	3.8893	4.356	4.8205	5.2839	5.7467	6.2091	7.1335	8.0574	8.981	9.9044
0.5	h	kJ/kg		2682.6	2780.1	2877.7	2976.1	3075.7	3176.6	3279	3488.7	3705.2	3928.6	4158.5
81.3	s	kJ/kgK		7.6953	7.9406	8.1587	8.3564	8.538	8.7068	8.8649	9.1552	9.4185	9.6606	9.8855
	v	m3/kg		1.6955	1.9363	2.1723	2.4061	2.6387	2.8708	3.1025	3.5653	4.0277	4.4898	4.9517
1	h	kJ/kg		2676.2	2776.1	2875.4	2974.5	3074.5	3175.6	3278.2	3488.1	3704.8	3928.2	4158.3
99.6	s	kJ/kgK		7.3618	7.6137	7.8349	8.0342	8.2166	8.3858	8.5442	8.8348	9.0982	9.3405	9.5654
	v	m3/kg			0.95954	1.0804	1.1989	1.3162	1.4328	1.5492	1.7812	2.0129	2.2442	2.4754
2	h	kJ/kg			2768.5	2870.5	2971.2	3072.1	3173.8	3276.7	3487	3704	3927.6	4157.8
120.2	s	kJ/kgK			7.2794	7.5072	7.7096	7.8937	8.0638	8.2226	8.5139	8.7776	9.0201	9.2452
	v	m3/kg			0.63374	0.71635	0.79644	0.87529	0.95352	1.0314	1.1865	1.3412	1.4957	1.6499
3	h	kJ/kg			2760.4	2865.5	2967.9	3069.7	3171.9	3275.2	3486	3703.2	3927	4157.3
133.5	s	kJ/kgK			7.0771	7.3119	7.5176	7.7034	7.8744	8.0338	8.3257	8.5898	8.8325	9.0577
	v	m3/kg			0.47066	0.53426	0.59519	0.65485	0.71385	0.7725	0.88919	1.0054	1.1214	1.2372
4	h	kJ/kg			2752	2860.4	2964.5	3067.2	3170	3273.6	3484.9	3702.3	3926.4	4156.9
143.6	s	kJ/kgK			6.9285	7.1708	7.38	7.5675	7.7395	7.8994	8.1919	8.4563	8.6992	8.9246
	v	m3/kg				0.42496	0.47443	0.52258	0.57005	0.61716	0.71078	0.80395	0.89685	0.98956
5	h	kJ/kg				2855.1	2961.1	3064.8	3168.1	3272.1	3483.8	3701.5	3925.8	4156.4
151.8	s	kJ/kgK				7.0592	7.2721	7.4614	7.6343	7.7948	8.0879	8.3626	8.5957	8.8213
	v	m3/kg				0.35204	0.39391	0.43439	0.47419	0.51361	0.59184	0.66963	0.74714	0.82447
6	h	kJ/kg				2849.7	2951.6	3062.3	3166.2	3270.6	3482.7	3700.7	3925.1	4155.9
158.8	s	kJ/kgK				6.9662	7.1829	7.374	7.5479	7.709	8.0027	8.2678	8.5111	8.7368
	v	m3/kg				0.29992	0.33637	0.37139	0.40571	0.43964	0.50689	0.57368	0.64021	0.70655
7	h	kJ/kg				2844.2	2954	3059.8	3164.3	3269	3481.6	3699.9	3924.5	4155.5
165	s	kJ/kgK				6.8859	7.1066	7.2997	7.4745	7.6332	7.9305	8.1959	8.4395	8.6653
	v	m3/kg				0.26079	0.29321	0.32414	0.35434	0.38416	0.44317	0.50172	0.56001	0.61811
8	h	kJ/kg				2838.6	2950.4	3057.3	3162.4	3267.5	3480.5	3699.1	3923.9	4155
170.4	s	kJ/kgK				6.8148	7.0397	7.2348	7.4107	7.5729	7.8678	8.1336	8.3773	8.6033
	v	m3/kg				0.23032	0.25963	0.27839	0.3144	0.34101	0.39361	0.44576	0.49763	0.54933
9	h	kJ/kg				2832.7	2946.8	3054.7	3160.5	3266	3479.4	3698.2	3923.3	4154.5
175.4	s	kJ/kgK				6.7508	6.98	7.1771	7.354	7.5169	7.8124	8.0785	8.3225	8.5486
	v	m3/kg				0.20592	0.23275	0.25798	0.28243	0.30649	0.35396	0.40098	0.44773	0.4943
10	h	kJ/kg				2826.8	2943	3052.1	3158.5	3264.4	3478.3	3697.4	3922.7	4154.1
179.9	s	kJ/kgK				6.6922	6.9259	7.1251	7.3031	7.4665	7.7627	8.0292	8.2734	8.4997
	v	m3/kg				0.13238	0.15199	0.1697	0.18653	0.20292	0.23503	0.26666	0.29803	0.32921
15	h	kJ/kg				2794.7	2923.5	3038.9	3148.7	3256.6	3472.8	3693.3	3919.6	4151.7
198.3	s	kJ/kgK				6.4508	6.7099	6.9207	7.1044	7.2709	7.5703	7.8385	8.0838	8.3108
	v	m3/kg					0.11145	0.1255	0.13866	0.15113	0.17555	0.1995	0.22317	0.24666
20	h	kJ/kg					2902.4	3025	3138.6	3248.7	3467.3	3689.2	3916.5	4149.4
212.4	s	kJ/kgK					6.5454	6.7696	6.9596	7.1296	7.4323	7.7022	7.9485	8.1763
	v	m3/kg					0.086985	0.098925	0.10975	0.12004	0.13987	0.15921	0.17826	0.19714
25	h	kJ/kg					2879.5	3010.4	3128.2	3240.7	3461.7	3685.1	3913.4	4147
223.9	s	kJ/kgK					6.4077	6.647	6.8442	7.0178	7.324	7.5956	7.8431	8.0716
	v	m3/kg					0.070551	0.081159	0.090526	0.09931	0.11608	0.13234	0.14832	0.16412
30	h	kJ/kg					2854.8	2995.1	3117.5	3232.5	3456.5	3681	3910.3	4144.7
233.8	s	kJ/kgK					6.2857	6.5422	6.7471	6.9246	7.2345	7.5079	7.7564	7.9857
	v	m3/kg					0.058693	0.068424	0.076776	0.084494	0.099088	0.11315	0.12694	0.14054
35	h	kJ/kg					2828.1	2979	3106.5	3224.2	3450.6	3676.9	3907.2	4142.4
242.5	s	kJ/kgK					6.1732	6.4491	6.6626	6.8443	7.158	7.4332	7.6828	7.9128
	v	m3/kg						0.058833	0.066446	0.073376	0.086341	0.098763	0.1109	0.12285
40	h	kJ/kg						2962	3095.1	3215.7	3445	3672.8	3904.1	4140
250.3	s	kJ/kgK						6.3642	6.587	6.7733	7.0909	7.368	7.6187	7.8495
	v	m3/kg						0.051336	0.058696	0.064721	0.076427	0.08757	0.098425	0.1091
45	h	kJ/kg						2944.2	3083.3	3207.1	3439.3	3668.6	3901	4137.7
257.4	s	kJ/kgK						6.2852	6.5182	6.7093	7.0311	7.31	7.5619	7.7934
	v	m3/kg						0.045301	0.051941	0.057791	0.068494	0.078616	0.088446	0.098093
50	h	kJ/kg						29255	3071.2	3198.3	3433.7	3664.5	3897.9	4135.3
263.9	s	kJ/kgK						6.2105	6.4545	6.6508	6.977	7.2578	7.5108	7.7431
	v	m3/kg						0.036145	0.042222	0.047379	0.056592	0.065184	0.073478	0.081587
60	h	kJ/kg						2885	3045.8	3180.1	3422.2	3656.2	3891.7	4130.7
275.6	s	kJ/kgK						6.0692	6.3386	6.5462	6.8818	7.1664	7.4217	7.655
	v	m3/kg						0.029457	0.035233	0.039922	0.048086	0.05559	0.062787	0.069798
70	h	kJ/kg						2839.4	3018.7	3161.2	3410.6	3647.9	3885.4	4126
285.8	s	kJ/kgK						5.9327	6.2333	6.4536	6.7993	7.088	7.3456	7.5808
	v	m3/kg						0.024264	0.029948	0.03431	0.041704	0.048394	0.05477	0.060956
80	h	kJ/kg						2786.8	2989.9	3141.6	3398.8	3639.5	3879.2	4121.5
295	s	kJ/kgK						5.7942	6.1349	6.3694	6.7262	7.0191	7.279	7.5158
	v	m3/kg							0.025792	0.02929	0.036737	0.042798	0.048534	0.05408
90	h	kJ/kg							2959	3121.2	3386.8	3631.1	3873	4116.7
303.3	s	kJ/kgK							6.0408	6.2915	6.66	6.9574	7.2196	7.4579
	v	m3/kg							0.022421	0.026408	0.03276	0.03832	0.043546	0.04858
100	h	kJ/kg							2925.8	3099.9	3374.6	3622.7	3866.8	4112
311	s	kJ/kgK							5.9489	6.2182	6.5994	6.9013	7.166	7.4058
	v	m3/kg							0.016122	0.02001	0.02559	0.030259	0.03451	0.038682
125	h	kJ/kg							2828	3042.9	3343.3	3601.4	3851.1	4100.3
327.8	s	kJ/kgK							5.7155	6.0481	6.4654	6.7796	7.0504	7.2942
	v	m3/kg							0.011462	0.015661	0.020795	0.024884	0.028587	0.032086
150	h	kJ/kg							2694.8	2979.1	3310.6	3579.8	3835.4	4088.6
342.1	s	kJ/kgK							5.4467	5.8876	6.3487	6.6764	6.9536	7.2013
	v	m3/kg								0.01246	0.017359	0.021043	0.024314	0.027376
175	h	kJ/kg								2906.3	3276.5	3557.8	3819.7	4077
354.6	s	kJ/kgK								5.7274	6.2432	6.5858	6.8698	7.1215
	v	m3/kg								0.009947	0.014771	0.018161	0.021111	0.023845
200	h	kJ/kg								2820.5	3241.1	3535.5	3803.8	4065.3
365.7	s	kJ/kgK								5.5585	6.1456	6.5043	6.7953	7.0511