

Saturated Water : Temperature table

Temp °C	Press. (bar)	Specific Vol., v m ³ /kg		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)	
T	P	<i>v_f</i> (<i>10⁻³</i>)	<i>v_g</i>	<i>u_f</i>	<i>u_g</i>	<i>h_f</i>	<i>h_{fg}</i>	<i>h_g</i>	<i>s_f</i>	<i>s_g</i>
0,01	0,00612	0,100021	206	0	2374,9	0,0006	2500,9	2500,9	0,0000	9,1555
1	0,00657	0,100015	192,44	4,1760	2376,3	4,1766	2498,5	2502,7	0,0153	9,1291
2	0,00706	0,100011	179,76	8,3909	2377,7	8,3916	2496,2	2504,6	0,0306	9,1027
3	0,00758	0,100008	168,01	12,603	2379,0	12,604	2493,8	2506,4	0,0459	9,0765
4	0,00814	0,100007	157,12	16,812	2380,4	16,813	2491,4	2508,2	0,0611	9,0506
5	0,00873	0,100008	147,02	21,018	2381,8	21,019	2489,1	2510,1	0,0763	9,0249
6	0,00935	0,100011	137,64	25,223	2383,2	25,224	2486,7	2511,9	0,0913	8,9994
7	0,01002	0,100014	128,93	29,425	2384,5	29,426	2484,3	2513,7	0,1064	8,9742
8	0,01073	0,100020	120,83	33,625	2385,9	33,626	2482,0	2515,6	0,1213	8,9492
9	0,01148	0,100027	113,31	37,823	2387,3	37,824	2479,6	2517,4	0,1362	8,9244
10	0,01228	0,10004	106,31	42,020	2388,7	42,021	2477,2	2519,2	0,1511	8,8998
11	0,01310	0,10004	99,730	46,257	2390,1	46,258	2474,8	2521,1	0,1660	8,8753
12	0,01403	0,10006	93,724	50,409	2391,4	50,410	2472,5	2522,9	0,1806	8,8514
13	0,01500	0,10007	88,015	54,643	2392,8	54,644	2470,1	2524,7	0,1954	8,8273
14	0,01599	0,10008	82,798	58,792	2394,1	58,794	2467,7	2526,5	0,2099	8,8038
15	0,01710	0,10010	77,833	63,024	2395,5	63,026	2465,4	2528,4	0,2246	8,7801
16	0,01819	0,10011	73,292	67,171	2396,9	67,173	2463,0	2530,2	0,2390	8,7571
17	0,01940	0,10013	68,965	71,401	2398,3	71,403	2460,6	2532,0	0,2536	8,7338
18	0,02065	0,10015	65,003	75,546	2399,6	75,548	2458,3	2533,8	0,2678	8,7112
19	0,02200	0,10016	61,225	79,774	2401,0	79,776	2455,9	2535,7	0,2823	8,6884
20	0,02339	0,10018	57,762	83,918	2402,4	83,920	2453,6	2537,5	0,2965	8,6661
21	0,02490	0,10021	54,456	88,144	2403,7	88,147	2451,2	2539,3	0,3109	8,6437
22	0,02645	0,10023	51,422	92,286	2405,1	92,289	2448,8	2541,1	0,3250	8,6218
23	0,02810	0,10025	48,524	96,512	2406,5	96,515	2446,4	2542,9	0,3393	8,5997
24	0,02986	0,10028	45,863	100,65	2407,8	100,66	2444,0	2544,7	0,3532	8,5783
25	0,03170	0,10030	43,317	104,88	2409,2	104,88	2441,7	2546,6	0,3674	8,5566
26	0,03364	0,10033	40,977	109,02	2410,5	109,02	2439,4	2548,4	0,3813	8,5355
27	0,03570	0,10035	38,737	113,24	2411,9	113,24	2436,9	2550,2	0,3954	8,5142
28	0,03783	0,10038	36,675	117,38	2413,2	117,38	2434,6	2552,0	0,4091	8,4934
29	0,04010	0,10041	34,701	121,60	2414,6	121,61	2432,2	2553,8	0,4231	8,4725
30	0,04247	0,10044	32,882	125,74	2415,9	125,75	2429,9	2555,6	0,4368	8,4521
31	0,04497	0,10047	31,154	129,92	2417,3	129,93	2427,5	2557,4	0,4506	8,4317
32	0,04759	0,10050	29,529	134,10	2418,7	134,11	2425,1	2559,2	0,4643	8,4115
33	0,05035	0,10054	28,001	138,28	2420,0	138,29	2422,7	2561,0	0,4780	8,3914
34	0,05325	0,10057	26,562	142,46	2421,4	142,47	2420,3	2562,8	0,4916	8,3715
35	0,05629	0,10060	25,208	146,64	2422,7	146,64	2418,0	2564,6	0,5052	8,3518
36	0,05948	0,10064	23,932	150,82	2424,0	150,82	2415,6	2566,4	0,5187	8,3323
38	0,06632	0,10071	21,595	159,18	2426,7	159,18	2410,8	2570,0	0,5457	8,2936
40	0,07384	0,10079	19,517	167,53	2429,4	167,54	2406,0	2573,5	0,5724	8,2557
45	0,0959	0,10099	15,253	188,43	2436,1	188,44	2394,1	2582,5	0,6386	8,1634
50	0,1235	0,10121	12,028	209,32	2442,8	209,34	2382,0	2591,3	0,7038	8,0749
55	0,1576	0,10145	9,565	230,22	2449,4	230,24	2369,9	2600,1	0,7680	7,9899
60	0,1995	0,10171	7,668	251,13	2455,9	251,15	2357,7	2608,8	0,8312	7,9082
65	0,2504	0,10199	6,194	272,05	2462,4	272,08	2345,4	2617,5	0,8935	7,8296
70	0,3120	0,10228	5,040	292,99	2468,9	293,02	2333,1	2626,1	0,9550	7,7540

Saturated Water : Temperature table (continued)

Temp °C	Press. (bar)	Specific Vol., v m ³ /kg		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)	
T	P	$v_f (10^{-2})$	v_g	u_f	u_g	h_f	h_{fg}	h_g	s_f	s_g
75	0.3860	0.10258	4.129	313.93	2475.2	313.97	2320.6	2634.6	1.0156	7.6812
80	0.4741	0.10290	3.405	334.90	2481.6	334.95	2308.1	2643.0	1.0754	7.6110
85	0.5787	0.10324	2.826	355.89	2487.8	355.95	2295.4	2651.3	1.1344	7.5434
90	0.7018	0.10359	2.359	376.90	2494.0	376.97	2282.5	2659.5	1.1927	7.4781
95	0.8461	0.10396	1.981	397.93	2500.0	398.02	2269.6	2667.6	1.2502	7.4150
100	1.014	0.10435	1.672	418.99	2506.0	419.10	2256.5	2675.6	1.3070	7.3541
105	1.209	0.10474	1.418	440.09	2511.9	440.21	2243.2	2683.4	1.3632	7.2951
110	1.434	0.10516	1.209	461.21	2517.7	461.36	2229.7	2691.1	1.4187	7.2380
115	1.692	0.10559	1.036	482.37	2523.3	482.55	2216.1	2698.6	1.4735	7.1827
120	1.987	0.10603	0.8913	503.57	2528.9	503.78	2202.1	2705.9	1.5278	7.1291
125	2.322	0.10649	0.7701	524.81	2534.3	525.06	2188.0	2713.1	1.5815	7.0770
130	2.703	0.10697	0.6681	546.10	2539.5	546.39	2173.7	2720.1	1.6346	7.0264
135	3.132	0.10747	0.5818	567.43	2544.6	567.77	2159.1	2726.9	1.6872	6.9772
140	3.615	0.10798	0.5085	588.81	2549.6	589.20	2144.2	2733.4	1.7393	6.9293
145	4.156	0.10850	0.4460	610.24	2554.4	610.69	2129.1	2739.8	1.7909	6.8826
150	4.761	0.10905	0.3925	631.73	2559.0	632.25	2113.7	2745.9	1.8420	6.8370
155	5.434	0.10962	0.3465	653.28	2563.5	653.88	2097.9	2751.8	1.8926	6.7926
160	6.181	0.11020	0.3068	674.89	2567.8	675.57	2081.8	2757.4	1.9428	6.7491
165	7.008	0.11080	0.2725	696.57	2571.9	697.35	2065.5	2762.8	1.9926	6.7066
170	7.921	0.11143	0.2426	718.32	2575.7	719.21	2048.7	2767.9	2.0419	6.6649
175	8.924	0.11207	0.2166	740.15	2579.4	741.15	2031.6	2772.7	2.0909	6.6241
180	10.03	0.11274	0.1939	762.06	2582.8	763.19	2014.0	2777.2	2.1395	6.5841
185	11.23	0.11343	0.1739	784.05	2586.1	785.32	1996.1	2781.4	2.1878	6.5447
190	12.55	0.11414	0.1564	806.13	2589.1	807.57	1977.7	2785.3	2.2358	6.5060
195	13.99	0.11489	0.1409	828.31	2591.8	829.92	1959.0	2788.9	2.2834	6.4679
200	15.55	0.11565	0.1272	850.60	2594.3	852.39	1939.7	2792.1	2.3308	6.4303
205	17.24	0.11645	0.1151	872.99	2596.5	874.99	1919.9	2794.9	2.3779	6.3932
210	19.07	0.11727	0.1043	895.49	2598.4	897.73	1899.7	2797.4	2.4248	6.3565
215	21.06	0.11813	0.09469	918.12	2600.0	920.61	1878.8	2799.4	2.4714	6.3202
220	23.19	0.11902	0.08610	940.88	2601.4	943.64	1857.5	2801.1	2.5178	6.2842
225	25.49	0.11994	0.07841	963.78	2602.4	966.84	1835.5	2802.3	2.5641	6.2485
230	27.97	0.12090	0.07151	986.83	2603.0	990.21	1812.8	2803.0	2.6102	6.2131
235	30.62	0.12190	0.06530	1010.0	2603.3	1013.8	1789.5	2803.3	2.6561	6.1777
240	33.47	0.12295	0.05971	1033.4	2603.2	1037.5	1765.6	2803.1	2.7019	6.1425
245	36.51	0.12404	0.05466	1057.0	2602.8	1061.5	1740.8	2802.3	2.7477	6.1074
250	39.76	0.12517	0.05009	1080.7	2601.9	1085.7	1715.3	2801.0	2.7934	6.0722
260	46.92	0.12761	0.04218	1128.8	2598.8	1134.8	1661.8	2796.6	2.8847	6.0017
270	55.03	0.13030	0.03562	1177.9	2593.7	1185.1	1604.6	2789.7	2.9762	5.9304
280	64.16	0.13329	0.03015	1228.1	2586.3	1236.7	1543.1	2779.8	3.0681	5.8578
290	74.42	0.13663	0.02556	1279.6	2576.4	1289.8	1476.8	2766.6	3.1608	5.7832
300	85.88	0.14042	0.02166	1332.7	2563.5	1344.8	1404.8	2749.6	3.2547	5.7058
320	112.84	0.14991	0.01548	1445.1	2526.0	1462.1	1238.6	2700.7	3.4491	5.5373
340	146.00	0.16375	0.01078	1570.5	2464.6	1594.4	1027.7	2622.1	3.6599	5.3359
360	186.66	0.18945	0.006945	1726.1	2351.3	1761.5	719.5	2481.0	3.9164	5.0527
373.946	220.64	0.31056	0.003106	2019.0	2019.0	2087.5	0.0	2087.5	4.412	4.412

Saturated Water : Pressure table

Press. (bar)	Temp °C	Specific Vol., v m ³ /kg		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)	
P	T	$v_f (10^{-2})$	v_g	u_f	u_g	h_f	h_{fg}	h_g	s_f	s_g
0.00612	0.01	0.10002	206	0	2374.9	0.0006	2500.9	2500.9	0	9.1555
0.010	6.97	0.10001	129.18	29.297	2384.5	29.298	2484.4	2513.7	0.1059	8.9749
0.015	13.02	0.10007	87.96	54.684	2392.8	54.685	2470.0	2524.7	0.1956	8.8271
0.020	17.50	0.10014	66.99	73.433	2398.9	73.435	2459.5	2532.9	0.2606	8.7227
0.025	21.08	0.10021	54.24	88.427	2403.8	88.430	2451.0	2539.4	0.3119	8.6422
0.030	24.08	0.10028	45.66	100.99	2407.9	100.99	2443.9	2544.9	0.3543	8.5766
0.035	26.67	0.10035	39.47	111.83	2411.4	111.84	2437.8	2549.6	0.3907	8.5213
0.040	28.96	0.10041	34.79	121.40	2414.5	121.40	2432.3	2553.7	0.4224	8.4735
0.045	31.01	0.10047	31.13	129.98	2417.3	129.98	2427.4	2557.4	0.4507	8.4314
0.050	32.88	0.10053	28.19	137.76	2419.8	137.77	2423.0	2560.8	0.4763	8.3939
0.055	34.58	0.10059	25.76	144.90	2422.1	144.90	2418.9	2563.8	0.4995	8.3600
0.060	36.16	0.10065	23.73	151.49	2424.3	151.49	2415.2	2566.7	0.5209	8.3291
0.065	37.63	0.10070	22.01	157.62	2426.2	157.63	2411.7	2569.3	0.5407	8.3008
0.070	39.00	0.10075	20.53	163.36	2428.1	163.37	2408.4	2571.8	0.5591	8.2746
0.075	40.29	0.10080	19.23	168.75	2429.8	168.76	2405.3	2574.1	0.5763	8.2502
0.080	41.51	0.10085	18.10	173.84	2431.4	173.85	2402.4	2576.2	0.5925	8.2274
0.085	42.66	0.10089	17.10	178.67	2433.0	178.68	2399.6	2578.3	0.6078	8.2060
0.090	43.76	0.10094	16.20	183.25	2434.5	183.26	2397.0	2580.3	0.6223	8.1859
0.095	44.81	0.10098	15.40	187.62	2435.8	187.63	2394.5	2582.1	0.6361	8.1669
0.1	45.81	0.10103	14.67	191.80	2437.2	191.81	2392.1	2583.9	0.6492	8.1489
0.2	60.06	0.10171	7.648	251.38	2456.0	251.40	2357.5	2608.9	0.8320	7.9072
0.3	69.10	0.10222	5.229	289.20	2467.7	289.23	2335.4	2624.6	0.9439	7.7675
0.4	75.86	0.10264	3.993	317.53	2476.3	317.57	2318.5	2636.1	1.0259	7.6690
0.5	81.32	0.10299	3.240	340.42	2483.2	340.48	2304.7	2645.2	1.0910	7.5930
0.6	85.93	0.10331	2.732	359.77	2488.9	359.84	2293.1	2652.9	1.1452	7.5311
0.7	89.93	0.10359	2.365	376.61	2493.9	376.68	2282.7	2659.4	1.1919	7.4790
0.75	91.76	0.10372	2.217	384.29	2496.1	384.37	2278.0	2662.4	1.2130	7.4557
0.8	93.49	0.10385	2.087	391.56	2498.2	391.64	2273.6	2665.2	1.2328	7.4339
0.9	96.69	0.10409	1.870	405.03	2502.1	405.13	2265.2	2670.3	1.2694	7.3942
1	99.61	0.10432	1.694	417.33	2505.5	417.44	2257.5	2674.9	1.3026	7.3588
1.1	102.3	0.10453	1.550	428.66	2508.7	428.77	2250.4	2679.2	1.3328	7.3268
1.2	104.8	0.10473	1.428	439.17	2511.6	439.30	2243.8	2683.1	1.3608	7.2976
1.3	107.1	0.10492	1.325	449.00	2514.3	449.13	2237.5	2686.6	1.3867	7.2708
1.4	109.3	0.10510	1.237	458.22	2516.9	458.37	2231.6	2690.0	1.4109	7.2460
1.5	111.4	0.10527	1.159	466.92	2519.2	467.08	2226.0	2693.1	1.4335	7.2229
1.6	113.3	0.10544	1.091	475.17	2521.4	475.34	2220.7	2696.0	1.4549	7.2014
1.7	115.1	0.10560	1.031	483.00	2523.5	483.18	2215.6	2698.8	1.4752	7.1811
1.8	116.9	0.10576	0.9775	490.48	2525.5	490.67	2210.7	2701.4	1.4944	7.1620
1.9	118.6	0.10591	0.9293	497.62	2527.3	497.82	2206.1	2703.9	1.5127	7.1440
2	120.2	0.10605	0.8857	504.47	2529.1	504.68	2201.5	2706.2	1.5301	7.1269
2.5	127.4	0.10672	0.7187	535.08	2536.8	535.35	2181.2	2716.5	1.6072	7.0524
3	133.5	0.10732	0.6058	561.13	2543.2	561.46	2163.4	2724.9	1.6718	6.9916
3.5	138.9	0.10786	0.5242	583.93	2548.5	584.31	2147.7	2732.0	1.7275	6.9401
4	143.6	0.10836	0.4624	604.29	2553.1	604.72	2133.4	2738.1	1.7766	6.8954
4.5	147.9	0.10882	0.4139	622.73	2557.1	623.22	2120.2	2743.4	1.8206	6.8560
5	151.8	0.10926	0.3748	639.64	2560.7	640.19	2107.9	2748.1	1.8606	6.8206
6	158.8	0.11006	0.3156	669.84	2566.8	670.50	2085.6	2756.1	1.9311	6.7592
7	165	0.11080	0.2728	696.37	2571.8	697.14	2065.6	2762.7	1.9921	6.7070
8	170.4	0.11148	0.2403	720.13	2576.0	721.02	2047.3	2768.3	2.0460	6.6615
9	175.4	0.11212	0.2149	741.72	2579.7	742.72	2030.3	2773.0	2.0944	6.6212

Saturated Water : Pressure table (continued)

Press. (bar)	Temp °C	Specific Vol., v m ³ /kg		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)	
P	T	$v_f (10^{-2})$	v_g	u_f	u_g	h_f	h_{fg}	h_g	s_f	s_g
10	179.9	0.11272	0.1944	761.56	2582.8	762.68	2014.4	2777.1	2.1384	6.5850
11	184.1	0.11330	0.1774	779.95	2585.5	781.20	1999.5	2780.7	2.1789	6.5520
12	188	0.11385	0.1633	797.13	2587.9	798.50	1985.3	2783.8	2.2163	6.5217
13	191.6	0.11438	0.1512	813.28	2590.0	814.76	1971.7	2786.5	2.2512	6.4936
14	195	0.11489	0.1408	828.52	2591.8	830.13	1958.8	2788.9	2.2839	6.4675
15	198.3	0.11539	0.1317	842.99	2593.5	844.72	1946.3	2791.0	2.3147	6.4431
16	201.4	0.11587	0.1237	856.76	2594.9	858.61	1934.3	2792.9	2.3438	6.4200
17	204.3	0.11634	0.1167	869.91	2596.2	871.89	1922.6	2794.5	2.3715	6.3983
18	207.1	0.11679	0.1104	882.51	2597.3	884.61	1911.4	2796.0	2.3978	6.3776
19	209.8	0.11724	0.1047	894.62	2598.3	896.84	1900.5	2797.3	2.4229	6.3579
20	212.4	0.11768	0.09958	906.27	2599.2	908.62	1889.8	2798.4	2.4470	6.3392
22	217.3	0.11852	0.09070	928.37	2600.7	930.98	1869.2	2800.2	2.4924	6.3040
24	221.8	0.11934	0.08324	949.09	2601.8	951.95	1849.6	2801.5	2.5344	6.2714
26	226.1	0.12014	0.07690	968.62	2602.5	971.74	1830.8	2802.5	2.5738	6.2411
28	230.1	0.12091	0.07143	987.12	2603.0	990.50	1812.5	2803.0	2.6107	6.2126
30	233.9	0.12167	0.06666	1004.7	2603.3	1008.4	1794.9	2803.3	2.6456	6.1858
32	237.5	0.12241	0.06247	1021.5	2603.3	1025.5	1777.7	2803.2	2.6787	6.1604
34	240.9	0.12314	0.05876	1037.6	2603.2	1041.8	1761.2	2803.0	2.7102	6.1362
36	244.2	0.12386	0.05545	1053.1	2602.9	1057.6	1744.9	2802.5	2.7403	6.1131
38	247.3	0.12456	0.05247	1068.0	2602.4	1072.8	1729	2801.8	2.7690	6.0910
40	250.4	0.12526	0.04978	1082.4	2601.8	1087.4	1713.5	2800.9	2.7967	6.0697
42	253.3	0.12595	0.04733	1096.3	2601.1	1101.60	1698.3	2799.9	2.8232	6.0492
44	256.1	0.12663	0.04510	1109.8	2600.2	1115.40	1683.3	2798.7	2.8488	6.0294
46	258.8	0.12730	0.04306	1122.9	2599.2	1128.80	1668.5	2797.3	2.8736	6.0103
48	261.4	0.12797	0.04118	1135.7	2598.2	1141.80	1654	2795.8	2.8975	5.9917
50	263.9	0.12864	0.03945	1148.1	2597.0	1154.50	1639.7	2794.2	2.9207	5.9737
55	270	0.13029	0.03564	1177.8	2593.7	1184.90	1604.8	2789.7	2.9759	5.9307
60	275.6	0.13193	0.03245	1205.8	2589.9	1213.70	1570.9	2784.6	3.0274	5.8901
65	280.9	0.13356	0.02973	1232.5	2585.6	1241.20	1537.6	2778.8	3.0760	5.8515
70	285.8	0.13519	0.02738	1258.0	2580.9	1267.40	1505.2	2772.6	3.1220	5.8146
75	290.5	0.13682	0.02533	1282.4	2575.8	1292.70	1473.1	2765.8	3.1658	5.7792
80	295	0.13847	0.02353	1306.0	2570.4	1317.10	1441.5	2758.6	3.2077	5.7448
85	299.3	0.14013	0.02193	1328.8	2564.6	1340.70	1410.3	2751.0	3.2478	5.7115
90	303.3	0.14181	0.02049	1350.9	2558.4	1363.70	1379.2	2742.9	3.2866	5.6790
95	307.3	0.14352	0.01920	1372.4	2552.0	1386.00	1348.4	2734.4	3.3240	5.6472
100	311	0.14526	0.01803	1393.3	2545.1	1407.90	1317.6	2725.5	3.3603	5.6159
110	318.1	0.14886	0.01599	1433.9	2530.5	1450.30	1256.1	2706.4	3.4300	5.5545
120	324.7	0.15263	0.01427	1473.0	2514.4	1491.3	1194.3	2685.6	3.4965	5.4941
130	330.9	0.15665	0.01279	1511.0	2496.7	1531.4	1131.5	2662.9	3.5606	5.4339
140	336.7	0.16097	0.01149	1548.3	2477.2	1570.9	1067.2	2638.1	3.6230	5.3730
150	342.2	0.16570	0.01034	1585.3	2455.8	1610.2	1000.7	2610.9	3.6844	5.3108
160	347.4	0.17095	0.009308	1622.3	2431.9	1649.7	931.1	2580.8	3.7457	5.2463
170	352.3	0.17693	0.008369	1660.0	2405.1	1690.0	857.4	2547.4	3.8077	5.1785
180	357	0.18395	0.007499	1698.9	2374.6	1732.0	777.5	2509.5	3.8717	5.1055
190	361.5	0.19255	0.006673	1740.3	2338.6	1776.9	688.5	2465.4	3.9396	5.0246
200	365.7	0.20387	0.005858	1786.3	2294.2	1827.1	584.3	2411.4	4.0154	4.9299
210	369.8	0.22119	0.004988	1842.9	2232.8	1889.4	448.1	2337.5	4.1093	4.8062
220	373.7	0.27504	0.003571	1961.4	2084.8	2021.9	141.5	2163.4	4.3109	4.5295
220.64	373.946	0.31056	0.003106	2019	2019	2087.5	0	2087.5	4.412	4.412

Superheated Water

P (bar) (T _{sat} °C)	Saturated Properties	T °C	100	150	200	250	300	400	500	600
0.006117 (0.01)	<i>v_g</i> 206	<i>v</i>	281.54	319.27	357.00	394.73	432.46	507.92	583.38	658.79
	<i>u_g</i> 2374.9	<i>u</i>	2516.4	2588.4	2661.6	2736.3	2812.4	2969.4	3132.9	3303.4
	<i>h_g</i> 2500.9	<i>h</i>	2688.6	2783.7	2880.0	2977.7	3077.0	3280.1	3489.8	3706.3
	<i>s_g</i> 9.1555	<i>s</i>	9.741	9.98	10.195	10.391	10.573	10.899	11.189	11.4527
0.01 (6.97)	<i>v_g</i> 129.18	<i>v</i>	172.19	195.28	218.36	241.44	264.52	310.67	356.83	402.98
	<i>u_g</i> 2384.5	<i>u</i>	2516.3	2588.4	2661.6	2736.3	2812.4	2969.4	3132.9	3303.4
	<i>h_g</i> 2513.7	<i>h</i>	2688.5	2783.6	2880.0	2977.7	3077.0	3280.1	3489.8	3706.3
	<i>s_g</i> 8.9749	<i>s</i>	9.5140	9.7530	9.9680	10.1650	10.3460	10.6720	10.9620	11.2258
0.05 (32.88)	<i>v_g</i> 28.19	<i>v</i>	34.42	39.04	43.66	48.28	52.90	62.13	71.36	80.59
	<i>u_g</i> 2419.8	<i>u</i>	2516.0	2588.2	2661.5	2736.2	2812.4	2969.4	3132.9	3303.3
	<i>h_g</i> 2560.8	<i>h</i>	2688.0	2783.4	2879.8	2977.6	3076.9	3280.0	3489.7	3706.3
	<i>s_g</i> 8.3939	<i>s</i>	8.7700	9.0100	9.2250	9.4220	9.6030	9.9290	10.2200	10.4830
0.1 (45.81)	<i>v_g</i> 14.67	<i>v</i>	17.2	19.51	21.83	24.14	26.45	31.06	35.68	40.30
	<i>u_g</i> 2437.2	<i>u</i>	2515.5	2587.9	2661.3	2736.1	2812.3	2969.3	3132.9	3303.3
	<i>h_g</i> 2583.9	<i>h</i>	2687.4	2783.0	2879.6	2977.4	3076.7	3279.9	3489.7	3706.3
	<i>s_g</i> 8.1489	<i>s</i>	8.4490	8.6890	8.9050	9.1010	9.2830	9.6090	9.9000	10.1631
0.5 (81.32)	<i>v_g</i> 3.2401	<i>v</i>	3.4188	3.8899	4.3563	4.8207	5.2841	6.2095	7.1339	8.0578
	<i>u_g</i> 2483.2	<i>u</i>	2511.5	2585.7	2660	2735.1	2811.6	2968.8	3132.6	3303.1
	<i>h_g</i> 2645.2	<i>h</i>	2682.4	2780.2	2877.8	2976.2	3075.8	3279.3	3489.2	3706.0
	<i>s_g</i> 7.593	<i>s</i>	7.6950	7.9410	8.1590	8.3570	8.5390	8.8660	9.1560	9.4200
0.75 (91.76)	<i>v_g</i> 2.2171	<i>v</i>	2.2704	2.5878	2.9004	3.2110	3.5206	4.1383	4.7550	5.3712
	<i>u_g</i> 2496.1	<i>u</i>	2508.9	2584.3	2659.1	2734.5	2811.1	2968.6	3132.4	3302.9
	<i>h_g</i> 2662.4	<i>h</i>	2679.1	2778.4	2876.6	2975.3	3075.2	3278.9	3489	3705.8
	<i>s_g</i> 7.456	<i>s</i>	7.5010	7.7510	7.9700	8.1690	8.3510	8.6780	8.9690	9.2327
1 (99.61)	<i>v_g</i> 1.694	<i>v</i>	1.696	1.9367	2.1725	2.4062	2.6389	3.1027	3.5656	4.0280
	<i>u_g</i> 2505.5	<i>u</i>	2506.2	2582.9	2658.2	2733.9	2810.7	2968.3	3132.2	3302.8
	<i>h_g</i> 2674.9	<i>h</i>	2675.8	2776.6	2875.5	2974.5	3074.5	3278.5	3488.7	3705.6
	<i>s_g</i> 7.359	<i>s</i>	7.3610	7.6150	7.8360	8.0350	8.2170	8.5450	8.8360	9.0998
1.5 (111.35)	<i>v_g</i> 1.1594	<i>v</i>		1.2856	1.4445	1.6013	1.7571	2.0671	2.3762	2.6847
	<i>u_g</i> 2519.2	<i>u</i>		2580.1	2656.5	2732.7	2809.7	2967.7	3131.7	3302.5
	<i>h_g</i> 2693.1	<i>h</i>		2772.9	2873.1	2972.9	3073.3	3277.8	3488.2	3705.2
	<i>s_g</i> 7.2229	<i>s</i>		7.4207	7.6447	7.8451	8.0284	8.3571	8.6484	8.9123
2 (120.21)	<i>v_g</i> 0.8857	<i>v</i>		0.9599	1.0805	1.1989	1.3162	1.5493	1.7814	2.0130
	<i>u_g</i> 2529.1	<i>u</i>		2577.1	2654.7	2731.5	2808.8	2967.1	3131.3	3302.2
	<i>h_g</i> 2706.2	<i>h</i>		2769.1	2870.8	2971.3	3072.1	3277.0	3487.6	3704.8
	<i>s_g</i> 7.1269	<i>s</i>		7.2809	7.5081	7.7100	7.8940	8.2235	8.5151	8.7792
3 (133.53)	<i>v_g</i> 0.6058	<i>v</i>		0.6340	0.7164	0.7965	0.8753	1.0315	1.1867	1.3414
	<i>u_g</i> 2543.2	<i>u</i>		2571.0	2651.0	2729.0	2807.0	2966.0	3130.5	3301.6
	<i>h_g</i> 2724.9	<i>h</i>		2761.2	2866.0	2967.9	3069.6	3275.4	3486.6	3704.0
	<i>s_g</i> 6.9916	<i>s</i>		7.0791	7.3132	7.5181	7.7037	8.0346	8.3269	8.5914
4 (143.61)	<i>v_g</i> 0.4624	<i>v</i>		0.4709	0.5343	0.5952	0.6549	0.7726	0.8894	1.0056
	<i>u_g</i> 2553.1	<i>u</i>		2564.4	2647.3	2726.5	2805.2	2964.8	3129.7	3301.0
	<i>h_g</i> 2738.1	<i>h</i>		2752.8	2861.0	2964.6	3067.1	3273.9	3485.5	3703.2
	<i>s_g</i> 6.8954	<i>s</i>		6.9305	7.1724	7.3805	7.5677	7.9001	8.1931	8.4579

Superheated Water (continued)

P (bar) (T_{sat} °C)	Saturated Properties	T °C	200	250	300	350	400	500	600	700
5 (151.84)	v_g	0.3748	v	0.4250	0.4744	0.5226	0.5701	0.6173	0.7109	0.8970
	u_g	2560.7	u	2643.4	2723.9	2803.3	2883.0	2963.6	3128.9	3478.6
	h_g	2748.1	h	2855.9	2961.1	3064.6	3168.1	3272.3	3484.4	3927.0
	s_g	6.8206	s	7.0611	7.2726	7.4614	7.6345	7.7954	8.0891	8.5977
6 (158.83)	v_g	0.3156	v	0.3521	0.3939	0.4344	0.4743	0.5137	0.5920	0.7473
	u_g	2566.8	u	2639.4	2721.3	2801.4	2881.5	2962.5	3128.1	3478.1
	h_g	2756.1	h	2850.7	2957.7	3062.1	3166.1	3270.7	3483.3	3926.5
	s_g	6.7592	s	6.9684	7.1834	7.3740	7.5480	7.7095	8.0039	8.5131
7 (164.95)	v_g	0.2728	v	0.3000	0.3364	0.3714	0.4058	0.4398	0.5070	0.6403
	u_g	2571.8	u	2635.3	2718.7	2799.5	2880.1	2961.3	3127.3	3477.7
	h_g	2762.7	h	2845.3	2954.1	3059.5	3164.1	3269.1	3482.3	3925.9
	s_g	6.707	s	6.8884	7.1071	7.2995	7.4745	7.6366	7.9317	8.4415
8 (170.41)	v_g	0.2403	v	0.2609	0.2932	0.3242	0.3544	0.3843	0.4433	0.5601
	u_g	2576	u	2631.1	2716	2797.6	2878.6	2960.1	3126.5	3477.2
	h_g	2768.3	h	2839.8	2950.5	3056.9	3162.2	3267.6	3481.2	3925.3
	s_g	6.6615	s	6.8176	7.0403	7.2345	7.4106	7.5733	7.8691	8.3794
9 (175.36)	v_g	0.2149	v	0.2304	0.2596	0.2874	0.3145	0.3411	0.3938	0.4977
	u_g	2579.7	u	2626.7	2713.3	2795.7	2877.2	2959	3125.7	3476.7
	h_g	2773	h	2834.1	2946.9	3054.3	3160.2	3266	3480.1	3924.7
	s_g	6.6212	s	6.7538	6.9806	7.1768	7.3538	7.5172	7.8136	8.3246
10 (179.89)	v_g	0.1943	v	0.2060	0.2327	0.2580	0.2825	0.3066	0.3541	0.4478
	u_g	2582.8	u	2622.3	2710.5	2793.7	2875.7	2957.8	3124.9	3476.3
	h_g	2777.1	h	2828.3	2943.2	3051.7	3158.2	3264.4	3479.0	3924.1
	s_g	6.585	s	6.6955	6.9266	7.1247	7.3028	7.4668	7.7640	8.2755
15 (198.3)	v_g	0.1317	v	0.1324	0.1520	0.1697	0.1866	0.2030	0.2352	0.2981
	u_g	2593.5	u	2597.4	2696.0	2783.7	2868.2	2951.8	3120.8	3474.0
	h_g	2791	h	2796.0	2924.0	3038.3	3148.0	3256.4	3473.6	3921.2
	s_g	6.4431	s	6.4537	6.7111	6.9199	7.1035	7.2708	7.5716	8.0860
20 (212.38)	v_g	0.0996	v		0.1115	0.1255	0.1386	0.1512	0.1757	0.2233
	u_g	2599.2	u		2680.3	2773.2	2860.5	2945.8	3116.7	3471.7
	h_g	2798.4	h		2903.2	3024.3	3137.6	3248.2	3468.1	3918.2
	s_g	6.3392	s		6.5474	6.7685	6.9582	7.1290	7.4335	7.9509
30 (233.86)	v_g	0.0667	v		0.0706	0.0812	0.0906	0.0994	0.1162	0.1484
	u_g	2603.3	u		2644.7	2750.8	2844.4	2933.4	3108.5	3467.1
	h_g	2803.3	h		2856.5	2994.3	3116.1	3231.6	3457.0	3912.3
	s_g	6.1858	s		6.2893	6.5412	6.7449	6.9233	7.2356	7.7590
40 (250.36)	v_g	0.04978	v	[m ³ /kg]		0.05887	0.06647	0.07343	0.08644	0.1110
	u_g	2601.8	u	[kJ/kg]		2726.2	2827.4	2920.6	3100.1	3462.5
	h_g	2800.9	h	[kJ/kg]		2961.7	3093.3	3214.4	3445.8	3906.4
	s_g	6.0697	s	[kJ/kg.K]		6.3638	6.5843	6.7712	7.0919	7.6215

Superheated Water (continued)

P (bar) (T _{sat} °C)	Saturated Properties		T °C	300	350	400	450	500	600	700	800
50 (263.94)	<i>v_g</i>	0.03945	<i>v[10⁻²]</i>	4.53466	5.19714	5.78399	6.33245	6.85829	7.87027	8.85146	9.81510
	<i>u_g</i>	2597	<i>u</i>	2698.9	2809.4	2907.4	3000.4	3091.6	3273.3	3457.9	3647.1
	<i>h_g</i>	2794.2	<i>h</i>	2925.6	3069.3	3196.6	3317.0	3434.5	3666.8	3900.5	4137.9
	<i>s_g</i>	5.9737	<i>s</i>	6.2109	6.4515	6.6481	6.8208	6.9778	7.2604	7.5137	7.7459
60 (275.59)	<i>v_g</i>	0.03245	<i>v[10⁻²]</i>	3.61911	4.22535	4.7423	5.21683	5.66717	6.52644	7.35419	8.16417
	<i>u_g</i>	2589.9	<i>u</i>	2668.3	2790.3	2893.6	2989.8	3082.9	3267.2	3453.2	3643.4
	<i>h_g</i>	2784.6	<i>h</i>	2885.5	3043.9	3178.2	3302.8	3422.9	3658.8	3894.5	4133.3
	<i>s_g</i>	5.8901	<i>s</i>	6.0702	6.3356	6.5431	6.7216	6.8824	7.1692	7.4248	7.6583
70 (285.83)	<i>v_g</i>	0.02738	<i>v[10⁻²]</i>	2.94938	3.5265	3.99621	4.41898	4.81585	5.56641	6.28467	6.98494
	<i>u_g</i>	2580.9	<i>u</i>	2633.4	2770.0	2879.4	2978.8	3074.1	3261.0	3448.5	3639.7
	<i>h_g</i>	2772.6	<i>h</i>	2839.8	3016.8	3159.1	3288.2	3411.3	3650.6	3888.5	4128.7
	<i>s_g</i>	5.8146	<i>s</i>	5.9335	6.2303	6.4501	6.6351	6.7997	7.0909	7.3488	7.5837
80 (295.01)	<i>v_g</i>	0.02353	<i>v[10⁻²]</i>	2.4280	2.9978	3.4348	3.8197	4.1769	4.8463	5.4825	6.1005
	<i>u_g</i>	2570.4	<i>u</i>	2592.1	2748.2	2864.5	2967.7	3065.2	3254.7	3443.8	3636.0
	<i>h_g</i>	2758.6	<i>h</i>	2786.4	2988.1	3139.3	3273.2	3399.4	3642.4	3882.4	4124.0
	<i>s_g</i>	5.745	<i>s</i>	5.7935	6.1319	6.3657	6.5577	6.7264	7.0221	7.2823	7.5186
90 (303.35)	<i>v_g</i>	0.02049	<i>v[10⁻²]</i>		2.5818	2.9963	3.3528	3.6795	4.286	4.8586	5.4127
	<i>u_g</i>	2558.4	<i>u</i>		2724.9	2849.1	2956.2	3056.2	3248.4	3439.1	3632.2
	<i>h_g</i>	2742.9	<i>h</i>		2957.2	3118.8	3257.9	3387.3	3634.2	3876.4	4119.4
	<i>s_g</i>	5.679	<i>s</i>		6.0378	6.2875	6.4871	6.6601	6.9605	7.2231	7.4608
100 (311)	<i>v_g</i>	0.01803	<i>v[10⁻²]</i>		2.2442	2.6439	2.9785	3.2813	3.8377	4.3594	4.8624
	<i>u_g</i>	2545.1	<i>u</i>		2699.5	2833.0	2944.4	3046.9	3242.1	3434.3	3628.5
	<i>h_g</i>	2725.5	<i>h</i>		2924.0	3097.4	3242.3	3375.1	3625.8	3870.3	4114.7
	<i>s_g</i>	5.616	<i>s</i>		5.9458	6.2139	6.4217	6.5993	6.9045	7.1696	7.4087
110 (318.08)	<i>v_g</i>	0.01599	<i>v[10⁻²]</i>		1.9627	2.3540	2.6716	2.9551	3.4709	3.9510	4.4122
	<i>u_g</i>	2530.5	<i>u</i>		2671.9	2816.2	2932.4	3037.6	3235.7	3429.5	3624.7
	<i>h_g</i>	2706.4	<i>h</i>		2887.8	3075.1	3226.2	3362.6	3617.5	3864.2	4110.1
	<i>s_g</i>	5.555	<i>s</i>		5.8541	6.1438	6.3605	6.5430	6.8531	7.1207	7.3612
120 (324.68)	<i>v_g</i>	0.01427	<i>v[10⁻²]</i>		1.7223	2.1108	2.4151	2.6830	3.1651	3.6107	4.0371
	<i>u_g</i>	2514.4	<i>u</i>		2641.3	2798.6	2920.0	3028.0	3229.2	3424.7	3621.0
	<i>h_g</i>	2685.6	<i>h</i>		2848.0	3051.9	3209.8	3350.0	3609.0	3858.0	4105.4
	<i>s_g</i>	5.494	<i>s</i>		5.7607	6.0762	6.3027	6.4902	6.8055	7.0756	7.3175
130 (330.86)	<i>v_g</i>	0.01279	<i>v[10⁻²]</i>		1.5120	1.9034	2.1976	2.4524	2.9063	3.3227	3.7196
	<i>u_g</i>	2496.7	<i>u</i>		2607.1	2780.2	2907.2	3018.3	3222.7	3419.9	3617.2
	<i>h_g</i>	2662.9	<i>h</i>		2803.6	3027.6	3192.9	3337.1	3600.5	3851.9	4100.7
	<i>s_g</i>	5.434	<i>s</i>		5.6635	6.0104	6.2475	6.4404	6.7610	7.0336	7.2771
140 (336.67)	<i>v_g</i>	0.01149	<i>v[10⁻²]</i>		1.3232	1.7241	2.0105	2.2546	2.6844	3.0759	3.4476
	<i>u_g</i>	2477.2	<i>u</i>		2567.7	2760.9	2894.1	3008.4	3216.1	3415.1	3613.4
	<i>h_g</i>	2638.1	<i>h</i>		2752.9	3002.2	3175.6	3324.1	3591.9	3845.7	4096.0
	<i>s_g</i>	5.373	<i>s</i>		5.5595	5.9457	6.1945	6.3931	6.7192	6.9944	7.2393

Superheated Water (continued)

P (bar) (T _{sat} °C)	Saturated Properties		T °C	350	375	400	450	500	600	700	800
150 (342.16)	<i>v_g</i>	0.01034	<i>v[10⁻²]</i>	1.1481	1.3903	1.5671	1.8478	2.0828	2.4921	2.8619	3.2118
	<i>u_g</i>	2455.8	<i>u</i>	2520.8	2650.3	2740.5	2880.7	2998.4	3209.5	3410.2	3609.6
	<i>h_g</i>	2610.9	<i>h</i>	2693.0	2858.9	2975.5	3157.8	3310.8	3583.3	3839.5	4091.3
	<i>s_g</i>	5.311	<i>s</i>	5.4435	5.7049	5.8817	6.1433	6.3479	6.6797	6.9576	7.2039
160 (347.36)	<i>v_g</i>	0.00931	<i>v[10⁻²]</i>	0.9766	1.2477	1.4281	1.7049	1.9324	2.3237	2.6747	3.0055
	<i>u_g</i>	2431.9	<i>u</i>	2460.7	2619.8	2719.0	2866.8	2988.1	3202.8	3405.3	3605.7
	<i>h_g</i>	2580.8	<i>h</i>	2617.0	2819.5	2947.5	3139.6	3297.3	3574.6	3833.3	4086.6
	<i>s_g</i>	5.246	<i>s</i>	5.3045	5.6238	5.8177	6.0935	6.3045	6.6422	6.9228	7.1706
170 (352.29)	<i>v_g</i>	0.00837	<i>v[10⁻²]</i>		1.1175	1.3038	1.5784	1.7994	2.1752	2.5096	2.8235
	<i>u_g</i>	2405.1	<i>u</i>		2586.0	2696.1	2852.6	2977.7	3196.1	3400.4	3601.9
	<i>h_g</i>	2547.4	<i>h</i>		2775.9	2917.8	3120.9	3283.6	3565.9	3827.0	4081.9
	<i>s_g</i>	5.178	<i>s</i>		5.5384	5.7533	6.0449	6.2627	6.6064	6.8897	7.1391
180 (356.99)	<i>v_g</i>	0.0075	<i>v[10⁻²]</i>		0.9963	1.1915	1.4654	1.6810	2.0431	2.3628	2.6618
	<i>u_g</i>	2374.6	<i>u</i>		2547.6	2671.8	2837.9	2967.1	3189.3	3395.4	3598.1
	<i>h_g</i>	2509.5	<i>h</i>		2726.9	2886.3	3101.7	3269.7	3557.0	3820.7	4077.2
	<i>s_g</i>	5.106	<i>s</i>		5.4465	5.6881	5.9973	6.2222	6.5722	6.8583	7.1091
190 (361.47)	<i>v_g</i>	0.00667	<i>v[10⁻²]</i>		0.8810	1.0891	1.3639	1.5749	1.9248	2.2315	2.5171
	<i>u_g</i>	2338.6	<i>u</i>		2503.0	2645.8	2822.7	2956.3	3182.4	3390.5	3594.2
	<i>h_g</i>	2465.4	<i>h</i>		2670.4	2852.8	3081.9	3255.6	3548.2	3814.5	4072.5
	<i>s_g</i>	5.025	<i>s</i>		5.3448	5.6213	5.9504	6.1829	6.5393	6.8282	7.0806
200 (365.75)	<i>v_g</i>	0.00586	<i>v[10⁻²]</i>		0.7675	0.9950	1.2720	1.4793	1.8184	2.1133	2.3869
	<i>u_g</i>	2294.2	<i>u</i>		2448.9	2617.8	2807.1	2945.3	3175.5	3385.5	3590.4
	<i>h_g</i>	2411.4	<i>h</i>		2602.4	2816.8	3061.5	3241.2	3539.2	3808.2	4067.7
	<i>s_g</i>	4.93	<i>s</i>		5.2272	5.5525	5.9041	6.1445	6.5077	6.7994	7.0534
210 (369.83)	<i>v_g</i>	0.00499	<i>v[10⁻²]</i>		0.6482	0.9075	1.1885	1.3926	1.7222	2.0063	2.2691
	<i>u_g</i>	2232.8	<i>u</i>		2377.0	2587.5	2791.0	2934.1	3168.6	3380.5	3586.5
	<i>h_g</i>	2337.5	<i>h</i>		2513.1	2778.0	3040.6	3226.6	3530.2	3801.8	4063.0
	<i>s_g</i>	4.806	<i>s</i>		5.0785	5.4807	5.8581	6.1071	6.4771	6.7718	7.0273
220 (373.71)	<i>v_g</i>	0.00357	<i>v[10⁻²]</i>		0.4899	0.8255	1.1121	1.3137	1.6346	1.9092	2.1620
	<i>u_g</i>	2084.8	<i>u</i>		2246.2	2554.2	2774.4	2922.8	3161.6	3375.5	3582.6
	<i>h_g</i>	2163.4	<i>h</i>		2354.0	2735.8	3019.0	3211.8	3521.2	3795.5	4058.2
	<i>s_g</i>	4.53	<i>s</i>		4.8240	5.4050	5.8124	6.0704	6.4475	6.7451	7.0022
220.64 (373.946)	<i>v_g</i>	0.00311	<i>v[10⁻²]</i>	0.1634	0.4742	0.8204	1.1075	1.3089	1.6293	1.9032	2.1555
	<i>u_g</i>	2019	<i>u</i>	1599.6	2230.3	2551.9	2773.3	2922.0	3161.1	3375.2	3582.4
	<i>h_g</i>	2087.5	<i>h</i>	1635.6	2335.0	2732.9	3017.6	3210.8	3520.6	3795.1	4057.9
	<i>s_g</i>	4.412	<i>s</i>	3.7068	4.7942	5.4000	5.8095	6.0681	6.4457	6.7435	7.0006

Supercritical Water

P [Bar]	T [°C]	350	375	400	425	450	500	600	700	800
225	$v[10^{-2}]$	0.1628	0.2468	0.7862	0.9510	1.0764	1.2768	1.5937	1.8638	2.1120
	u	1597.0	1915.9	2536.2	2669.3	2765.8	2917.0	3158.0	3373.0	3580.7
	h	1633.7	1971.5	2713.1	2883.3	3008.0	3204.3	3516.6	3792.3	4055.9
	s	3.7025	4.2310	5.3654	5.6139	5.7896	6.0524	6.4331	6.7322	6.9900
250	$v[10^{-2}]$	0.1599	0.1978	0.6005	0.7886	0.9175	1.1142	1.4140	1.6643	1.8922
	u	1583.9	1799.9	2428.5	2607.8	2721.0	2887.4	3140.2	3360.3	3570.9
	h	1623.9	1849.4	2578.6	2804.9	2950.4	3165.9	3493.7	3776.4	4044.0
	s	3.6803	4.0344	5.1399	5.4706	5.6755	5.9642	6.3638	6.6706	6.9324
275	$v[10^{-2}]$	0.1574	0.1862	0.4207	0.6503	0.7855	0.9807	1.2669	1.5012	1.7125
	u	1572.4	1763.1	2268.1	2536.5	2672.1	2856.4	3122.0	3347.5	3561.2
	h	1615.7	1814.3	2383.8	2715.4	2888.1	3126.1	3470.4	3760.3	4032.1
	s	3.6609	3.9729	4.8315	5.3166	5.5601	5.8789	6.2989	6.6135	6.8794
300	$v[10^{-2}]$	0.1553	0.1792	0.2796	0.5300	0.6738	0.8690	1.1444	1.3654	1.5629
	u	1562.2	1738.2	2068.5	2452.8	2618.8	2824.1	3103.5	3334.6	3551.4
	h	1608.8	1792.0	2152.4	2611.9	2820.9	3084.8	3446.9	3744.2	4020.2
	s	3.6435	3.9314	4.4750	5.1473	5.4419	5.7956	6.2374	6.5602	6.8303
350	$v[10^{-2}]$	0.1517	0.1702	0.2106	0.3435	0.4959	0.6933	0.9523	1.1524	1.3280
	u	1544.4	1702.9	1914.7	2253.3	2497.4	2755.3	3065.7	3308.6	3531.7
	h	1597.5	1762.5	1988.4	2373.5	2671.0	2998.0	3399.0	3711.9	3996.5
	s	3.6131	3.8725	4.2140	4.7752	5.1945	5.6331	6.1229	6.4625	6.7411
400	$v[10^{-2}]$	0.1488	0.1641	0.1911	0.2537	0.3693	0.5625	0.8089	0.9931	1.1523
	u	1529.2	1677.0	1854.7	2097.1	2364.1	2681.7	3026.9	3282.2	3511.9
	h	1588.7	1742.7	1931.1	2198.6	2511.8	2906.7	3350.4	3679.4	3972.8
	s	3.5870	3.8290	4.1141	4.5037	4.9447	5.4746	6.0170	6.3743	6.6614
450	$v[10^{-2}]$	0.1464	0.1596	0.1804	0.2187	0.2915	0.4634	0.6983	0.8698	1.0160
	u	1515.8	1656.2	1816.4	2012.3	2246.1	2604.8	2987.3	3255.6	3492.1
	h	1581.7	1728.0	1897.6	2110.8	2377.3	2813.4	3301.5	3647.0	3949.3
	s	3.5638	3.7939	4.0505	4.3612	4.7362	5.3209	5.9179	6.2932	6.5891
500	$v[10^{-2}]$	0.1442	0.1560	0.1731	0.2009	0.2487	0.3889	0.6109	0.7718	0.9074
	u	1503.9	1638.6	1787.8	1959.8	2160.1	2528.0	2947.2	3228.9	3472.3
	h	1576.0	1716.6	1874.3	2060.2	2284.4	2722.5	3252.6	3614.8	3926.0
	s	3.5430	3.7642	4.0028	4.2738	4.5892	5.1759	5.8245	6.2180	6.5226
550	$v[10^{-2}]$	0.1424	0.1529	0.1676	0.1896	0.2242	0.3344	0.5406	0.6922	0.8190
	u	1493.0	1623.3	1764.7	1922.1	2099.5	2456.6	2906.9	3202.1	3452.5
	h	1571.3	1707.4	1856.9	2026.3	2222.8	2640.6	3204.3	3582.8	3902.9
	s	3.5240	3.7381	3.9642	4.2113	4.4877	5.0467	5.7363	6.1477	6.4610

Supercritical Water (continued)

P [Bar]	T [°C]	350	375	400	425	450	500	600	700	800
600	$v[10^{-2}]$	0.1407	0.1503	0.1633	0.1816	0.2085	0.2952	0.4834	0.6265	0.7457
	<i>u</i>	1483.0	1609.7	1745.2	1892.6	2054.7	2393.3	2866.9	3175.5	3432.7
	<i>h</i>	1567.4	1699.9	1843.1	2001.6	2179.8	2570.4	3157.0	3551.4	3880.2
	<i>s</i>	3.5064	3.7148	3.9316	4.1626	4.4134	4.9356	5.6528	6.0815	6.4034
650	$v[10^{-2}]$	0.1391	0.1481	0.1597	0.1754	0.1975	0.2669	0.4363	0.5716	0.6840
	<i>u</i>	1473.8	1597.4	1728.2	1868.4	2019.7	2339.3	2827.5	3149.0	3413.1
	<i>h</i>	1564.2	1693.7	1832.1	1982.4	2148.0	2512.8	3111.1	3520.5	3857.8
	<i>s</i>	3.4900	3.6937	3.9031	4.1223	4.3553	4.8429	5.5741	6.0190	6.3492
700	$v[10^{-2}]$	0.1377	0.1461	0.1566	0.1705	0.1892	0.2463	0.3975	0.5252	0.6316
	<i>u</i>	1465.1	1586.2	1713.2	1847.7	1991.0	2293.8	2789.2	3122.8	3393.6
	<i>h</i>	1561.6	1688.4	1822.9	1967.1	2123.4	2466.2	3067.5	3490.4	3835.8
	<i>s</i>	3.4747	3.6742	3.8777	4.0880	4.3080	4.7661	5.5002	5.9600	6.2982
750	$v[10^{-2}]$	0.1364	0.1442	0.154	0.1664	0.1827	0.2308	0.3652	0.4856	0.5866
	<i>u</i>	1457.1	1575.9	1699.7	1829.7	1966.7	2255.3	2752.4	3097.0	3374.3
	<i>h</i>	1559.4	1684.0	1815.2	1954.5	2103.7	2428.4	3026.3	3461.2	3814.3
	<i>s</i>	3.4602	3.6563	3.8548	4.0579	4.2679	4.7019	5.4312	5.904	6.2498
800	$v[10^{-2}]$	0.1352	0.1426	0.1516	0.1629	0.1774	0.2188	0.3383	0.4516	0.5476
	<i>u</i>	1449.5	1566.3	1687.4	1813.6	1945.6	2222.5	2717.4	3071.6	3355.2
	<i>h</i>	1557.7	1680.4	1808.8	1944.0	2087.6	2397.5	2988.1	3432.9	3793.3
	<i>s</i>	3.4465	3.6395	3.8339	4.0311	4.2331	4.6474	5.3673	5.8508	6.2038
900	$v[10^{-2}]$	0.1331	0.1397	0.1476	0.1573	0.1691	0.2014	0.2969	0.3966	0.4836
	<i>u</i>	1435.4	1548.9	1665.7	1786.0	1910.5	2169.0	2653.5	3022.6	3317.8
	<i>h</i>	1555.2	1674.6	1798.6	1927.6	2062.6	2350.3	2920.7	3379.5	3753.0
	<i>s</i>	3.4211	3.6089	3.7965	3.9846	4.1747	4.5592	5.254	5.7526	6.1183
1000	$v[10^{-2}]$	0.1312	0.1372	0.1443	0.1527	0.1628	0.1893	0.2672	0.3546	0.4335
	<i>u</i>	1422.7	1533.5	1646.8	1762.7	1881.6	2126.9	2597.8	2976.1	3281.6
	<i>h</i>	1553.9	1670.7	1791.1	1915.5	2044.5	2316.2	2865.0	3330.7	3715.2
	<i>s</i>	3.3978	3.5815	3.7638	3.9452	4.1266	4.4899	5.1580	5.6639	6.0404

Saturated R-134a : Temperature table

Temp °C	Press. (bar)	Specific Vol., v m ³ /kg		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)	
T	P	$v_f (10^{-3})$	v_g	u_f	u_g	h_f	h_{fg}	h_g	s_f	s_g
-40	0.5164	0.7055	0.3569	-0.04	204.45	0.00	222.88	222.88	0.0000	0.9560
-36	0.6332	0.7113	0.2947	4.68	206.73	4.73	220.67	225.40	0.0201	0.9506
-32	0.7704	0.7172	0.2451	9.47	209.01	9.52	218.37	227.90	0.0401	0.9456
-28	0.9305	0.7233	0.2052	14.31	211.29	14.37	216.01	230.38	0.0600	0.9411
-26	1.0199	0.7265	0.1882	16.75	212.43	16.82	214.80	231.62	0.0699	0.9390
-24	1.1160	0.7296	0.1728	19.21	213.57	19.29	213.57	232.85	0.0798	0.9370
-22	1.2192	0.7328	0.1590	21.68	214.70	21.77	212.32	234.08	0.0897	0.9351
-20	1.3299	0.7361	0.1464	24.17	215.84	24.26	211.05	235.31	0.0996	0.9332
-18	1.4483	0.7395	0.1350	26.67	216.97	26.77	209.76	236.53	0.1094	0.9315
-16	1.5748	0.7428	0.1247	29.18	218.10	29.30	208.45	237.74	0.1192	0.9298
-12	1.8540	0.7498	0.1068	34.25	220.36	34.39	205.77	240.15	0.1388	0.9267
-8	2.1704	0.7569	0.0919	39.38	222.60	39.54	203.00	242.54	0.1583	0.9239
-4	2.5274	0.7644	0.0794	44.56	224.84	44.75	200.15	244.90	0.1777	0.9213
0	2.9282	0.7721	0.0689	49.79	227.06	50.02	197.21	247.23	0.1970	0.9190
4	3.3765	0.7801	0.0600	55.08	229.27	55.35	194.19	249.53	0.2162	0.9169
8	3.8756	0.7884	0.0525	60.43	231.46	60.73	191.07	251.80	0.2354	0.9150
12	4.4294	0.7971	0.0460	65.83	233.63	66.18	187.85	254.03	0.2545	0.9132
16	5.0416	0.8062	0.0405	71.29	235.78	71.69	184.52	256.22	0.2735	0.9116
20	5.7160	0.8157	0.0358	76.80	237.91	77.26	181.09	258.35	0.2924	0.9102
24	6.4566	0.8257	0.0317	82.37	240.01	82.90	177.55	260.45	0.3113	0.9089
26	6.8530	0.8309	0.0298	85.18	241.05	85.75	175.73	261.48	0.3208	0.9082
28	7.2675	0.8362	0.0281	88.00	242.08	88.61	173.89	262.50	0.3302	0.9076
30	7.7006	0.8417	0.0265	90.84	243.10	91.49	172.00	263.50	0.3396	0.9070
32	8.1528	0.8473	0.0250	93.70	244.12	94.39	170.09	264.48	0.3490	0.9064
34	8.6247	0.8530	0.0236	96.58	245.12	97.31	168.14	265.45	0.3584	0.9058
36	9.1168	0.8590	0.0223	99.47	246.11	100.25	166.15	266.40	0.3678	0.9053
38	9.6298	0.8651	0.0210	102.38	247.09	103.21	164.12	267.33	0.3772	0.9047
40	10.164	0.8714	0.0199	105.30	248.06	106.19	162.05	268.24	0.3866	0.9041
42	10.720	0.8780	0.0188	108.25	249.02	109.19	159.94	269.14	0.3960	0.9035
44	11.299	0.8847	0.0177	111.22	249.96	112.22	157.79	270.01	0.4054	0.9030
48	12.526	0.8989	0.0159	117.22	251.79	118.35	153.33	271.68	0.4243	0.9017
52	13.851	0.9142	0.0142	123.31	253.55	124.58	148.66	273.24	0.4432	0.9004
56	15.278	0.9308	0.0127	129.51	255.23	130.93	143.75	274.68	0.4622	0.8990
60	16.813	0.9488	0.0114	135.82	256.81	137.42	138.57	275.99	0.4814	0.8973
70	21.162	1.0027	0.0086	152.22	260.15	154.34	124.08	278.43	0.5302	0.8918
80	26.324	1.0766	0.0064	169.88	262.14	172.71	106.41	279.12	0.5814	0.8827
90	32.435	1.1949	0.0046	189.82	261.34	193.69	82.63	276.32	0.6380	0.8655
100	39.742	1.5443	0.0027	218.60	248.49	224.74	34.40	259.13	0.7196	0.8117

Saturated R-134a : Pressure table

Press. (bar)	Temp °C	Specific Vol., v m ³ /kg		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)		
P	T	$v_f (10^{-3})$	v_g	u_f	u_g	h_f	h_{fg}	h_g	s_f	s_{fg}	s_g
0.6	-37.07	0.7097	0.3100	3.41	206.12	3.46	221.27	224.72	0.0147	0.9373	0.9520
0.8	-31.21	0.7184	0.2366	10.41	209.46	10.47	217.92	228.39	0.0440	0.9007	0.9447
1.0	-26.43	0.7258	0.1917	16.22	212.18	16.29	215.06	231.35	0.0678	0.8717	0.9395
1.2	-22.36	0.7323	0.1614	21.23	214.50	21.32	212.54	233.86	0.0879	0.8475	0.9354
1.4	-18.80	0.7381	0.1395	25.66	216.52	25.77	210.27	236.04	0.1055	0.8267	0.9322
1.6	-15.62	0.7435	0.1229	29.66	218.32	29.78	208.18	237.97	0.1211	0.8084	0.9295
1.8	-12.73	0.7485	0.1098	33.31	219.94	33.45	206.26	239.71	0.1352	0.7921	0.9273
2.0	-10.09	0.7532	0.0993	36.69	221.43	36.84	204.46	241.30	0.1481	0.7772	0.9253
2.4	-5.37	0.7618	0.0834	42.77	224.07	42.95	201.14	244.09	0.1710	0.7512	0.9222
2.8	-1.23	0.7697	0.0719	48.18	226.38	48.39	198.13	246.52	0.1911	0.7286	0.9197
3.2	2.48	0.777	0.0632	53.06	228.43	53.31	195.35	248.66	0.2089	0.7088	0.9177
3.6	5.84	0.7839	0.0564	57.54	230.28	57.82	192.76	250.58	0.2251	0.6909	0.9160
4.0	8.93	0.7904	0.0509	61.69	231.97	62.00	190.32	252.32	0.2399	0.6746	0.9145
5.0	15.74	0.8056	0.0409	70.93	235.64	71.33	184.74	256.07	0.2723	0.6394	0.9117
6.0	21.58	0.8196	0.0341	78.99	238.74	79.48	179.71	259.19	0.2999	0.6098	0.9097
7.0	26.72	0.8328	0.0292	86.19	241.42	86.78	175.07	261.85	0.3242	0.5838	0.9080
8.0	31.33	0.8454	0.0255	92.75	243.78	93.42	170.73	264.15	0.3459	0.5607	0.9066
9.0	35.53	0.8576	0.0226	98.79	245.88	99.56	166.62	266.18	0.3656	0.5848	0.9504
10.0	39.39	0.8695	0.0202	104.42	247.77	105.29	162.68	267.97	0.3838	0.5205	0.9043
12.0	46.32	0.8928	0.0166	114.69	251.03	115.76	155.23	270.99	0.4164	0.4859	0.9023
14.0	52.43	0.9159	0.0140	123.98	253.74	125.26	148.14	273.40	0.4453	0.4550	0.9003
16.0	57.92	0.9392	0.0121	132.52	256.00	134.02	141.31	275.33	0.4714	0.4268	0.8982
18.0	62.91	0.9631	0.0105	140.49	257.88	142.22	134.60	276.83	0.4954	0.4005	0.8959
20.0	67.49	0.9878	0.0093	148.02	259.41	149.99	127.95	277.94	0.5178	0.3756	0.8934
25.0	77.59	1.0562	0.0069	165.48	261.84	168.12	111.06	279.17	0.5687	0.3167	0.8854
30.0	86.22	1.1416	0.0053	181.88	262.16	185.30	92.71	278.01	0.6156	0.2579	0.8735

Superheated R-134a

P (bar) (T _{sat} °C)	Saturated Properties		T °C	-20	-10	0	10	20	40	70
0.6 (-37.07)	<i>v_g</i>	0.3100	<i>v</i>	0.3354	0.3499	0.3643	0.3786	0.3928	0.4209	0.4627
	<i>u_g</i>	206.12	<i>u</i>	217.86	224.97	232.24	239.69	247.32	263.10	288.08
	<i>h_g</i>	224.72	<i>h</i>	237.98	245.96	254.10	262.41	270.89	288.35	315.84
	<i>s_g</i>	0.9520	<i>s</i>	1.0062	1.0371	1.0675	1.0973	1.1267	1.1844	1.2681
1 (-26.43)	<i>v_g</i>	0.1917	<i>v</i>	0.1977	0.2069	0.2159	0.2247	0.2335	0.2508	0.2762
	<i>u_g</i>	212.18	<i>u</i>	216.77	224.01	231.41	238.96	246.67	262.58	287.70
	<i>h_g</i>	231.35	<i>h</i>	236.54	244.70	252.99	261.43	270.02	287.66	315.32
	<i>s_g</i>	0.9395	<i>s</i>	0.9602	0.9918	1.0227	1.0531	1.0829	1.1411	1.2254
1.4 (-18.8)	<i>v_g</i>	0.1395	<i>v</i>		0.1455	0.1522	0.1588	0.1652	0.1778	0.1963
	<i>u_g</i>	216.52	<i>u</i>		223.03	230.55	238.21	246.01	262.06	287.32
	<i>h_g</i>	236.04	<i>h</i>		243.40	251.86	260.43	269.13	286.96	314.80
	<i>s_g</i>	0.9322	<i>s</i>		0.9606	0.9922	1.0230	1.0532	1.1120	1.1969
1.8 (-12.73)	<i>v_g</i>	0.1098	<i>v</i>		0.1114	0.1168	0.1221	0.1272	0.1373	0.1519
	<i>u_g</i>	219.94	<i>u</i>		222.02	229.67	237.44	245.33	261.53	286.93
	<i>h_g</i>	239.71	<i>h</i>		242.06	250.69	259.41	268.23	286.24	314.28
	<i>s_g</i>	0.9273	<i>s</i>		0.9362	0.9684	0.9998	1.0304	1.0898	1.1753
2 (-10.09)	<i>v_g</i>	0.09933	<i>v</i>		0.09938	0.1043	0.1092	0.1139	0.1231	0.1364
	<i>u_g</i>	221.43	<i>u</i>		221.50	229.23	237.05	244.99	261.26	286.74
	<i>h_g</i>	241.30	<i>h</i>		241.38	250.10	258.89	267.78	285.88	314.02
	<i>s_g</i>	0.9253	<i>s</i>		0.9256	0.9582	0.9898	1.0206	1.0804	1.1661
2.4 (-5.37)	<i>v_g</i>	0.08343	<i>v</i>	m ³ /kg		0.08574	0.08993	0.09399	0.1018	0.1131
	<i>u_g</i>	224.07	<i>u</i>	kJ/kg		228.31	236.26	244.30	260.72	286.35
	<i>h_g</i>	244.09	<i>h</i>	kJ/kg		248.89	257.84	266.85	285.16	313.49
	<i>s_g</i>	0.9222	<i>s</i>	kJ/kg.K		0.9399	0.9721	1.0034	1.0637	1.1501
2.8 (-1.23)	<i>v_g</i>	0.07193	<i>v</i>			0.07240	0.07613	0.07972	0.08660	0.09641
	<i>u_g</i>	226.38	<i>u</i>			227.37	235.44	243.59	260.17	285.96
	<i>h_g</i>	246.52	<i>h</i>			247.64	256.76	265.91	284.42	312.95
	<i>s_g</i>	0.9197	<i>s</i>			0.9238	0.9566	0.9883	1.0494	1.1364
3.2 (2.48)	<i>v_g</i>	0.06322	<i>v</i>				0.06576	0.06901	0.07518	0.08392
	<i>u_g</i>	228.43	<i>u</i>				234.61	242.87	259.61	285.56
	<i>h_g</i>	248.66	<i>h</i>				255.65	264.95	283.67	312.41
	<i>s_g</i>	0.9177	<i>s</i>				0.9427	0.9749	1.0367	1.1243
4 (8.93)	<i>v_g</i>	0.05089	<i>v</i>				0.05119	0.05397	0.05917	0.06641
	<i>u_g</i>	231.97	<i>u</i>				232.87	241.37	258.47	284.75
	<i>h_g</i>	252.32	<i>h</i>				253.35	262.96	282.14	311.32
	<i>s_g</i>	0.9145	<i>s</i>				0.9182	0.9515	1.0148	1.1038

Superheated R-134a (continued)

P (bar) (T _{sat} °C)	Saturated Properties		T °C	30	40	50	60	80	100	140
5 (15.74)	<i>v_g</i>	0.04086	<i>v</i>	0.04416	0.04633	0.04842	0.05043	0.05432	0.05805	0.06524
	<i>u_g</i>	235.64	<i>u</i>	248.20	256.99	265.83	274.73	292.80	311.31	349.79
	<i>h_g</i>	256.07	<i>h</i>	270.28	280.16	290.04	299.95	319.96	340.33	382.42
	<i>s_g</i>	0.9117	<i>s</i>	0.9597	0.9918	1.0229	1.0531	1.1114	1.1675	1.2746
6 (21.58)	<i>v_g</i>	0.03408	<i>v</i>	0.03581	0.03774	0.03958	0.04134	0.04469	0.04790	0.05402
	<i>u_g</i>	138.74	<i>u</i>	246.41	255.45	264.48	273.54	291.86	310.53	349.23
	<i>h_g</i>	259.19	<i>h</i>	267.89	278.09	288.23	298.35	318.67	339.27	381.64
	<i>s_g</i>	0.9097	<i>s</i>	0.9388	0.9719	1.0037	1.0346	1.0938	1.1505	1.2584
7 (26.72)	<i>v_g</i>	0.02918	<i>v</i>	0.02979	0.03157	0.03324	0.03482	0.03781	0.04064	0.04599
	<i>u_g</i>	241.42	<i>u</i>	244.51	253.83	263.08	272.31	290.88	309.74	348.66
	<i>h_g</i>	261.85	<i>h</i>	265.37	275.93	286.35	296.69	317.35	338.19	380.86
	<i>s_g</i>	0.9080	<i>s</i>	0.9197	0.9539	0.9867	1.0182	1.0784	1.1358	1.2444
8 (31.33)	<i>v_g</i>	0.02547	<i>v</i>		0.02691	0.02846	0.02992	0.03264	0.03519	0.03997
	<i>u_g</i>	243.78	<i>u</i>		252.13	261.62	271.04	289.89	308.93	348.09
	<i>h_g</i>	264.15	<i>h</i>		273.66	284.39	294.98	316.00	337.08	380.07
	<i>s_g</i>	0.9066	<i>s</i>		0.9374	0.9711	1.0034	1.0647	1.1227	1.2321
9 (35.53)	<i>v_g</i>	0.02255	<i>v</i>		0.02325	0.02472	0.02609	0.02861	0.03095	0.03529
	<i>u_g</i>	245.88	<i>u</i>		250.32	260.09	269.72	288.87	308.11	347.51
	<i>h_g</i>	266.18	<i>h</i>		271.25	282.34	293.21	314.62	335.96	379.27
	<i>s_g</i>	0.9054	<i>s</i>		0.9217	0.9566	0.9897	1.0521	1.1109	1.2211
10 (39.39)	<i>v_g</i>	0.02020	<i>v</i>		0.02029	0.02171	0.02301	0.02538	0.02755	0.03154
	<i>u_g</i>	247.77	<i>u</i>		248.39	258.48	268.35	287.82	307.27	346.92
	<i>h_g</i>	267.97	<i>h</i>		268.68	280.19	291.36	313.20	334.82	378.46
	<i>s_g</i>	0.9043	<i>s</i>		0.9066	0.9428	0.9768	1.0405	1.1000	1.2111
12 (46.32)	<i>v_g</i>	0.01663	<i>v</i>			0.01712	0.01835	0.02051	0.02244	0.02592
	<i>u_g</i>	251.03	<i>u</i>			254.98	265.42	285.62	305.54	345.73
	<i>h_g</i>	270.99	<i>h</i>			275.52	287.44	310.24	332.47	376.83
	<i>s_g</i>	0.9023	<i>s</i>			0.9164	0.9527	1.0192	1.0804	1.1933
14 (52.43)	<i>v_g</i>	0.01405	<i>v</i>	m ³ /kg			0.01495	0.01701	0.01878	0.02189
	<i>u_g</i>	253.74	<i>u</i>	kJ/kg			262.17	283.29	303.73	344.50
	<i>h_g</i>	273.40	<i>h</i>	kJ/kg			283.10	307.10	330.02	375.15
	<i>s_g</i>	0.9003	<i>s</i>	kJ/kg.K			0.9297	0.9997	1.0628	1.1777
16 (57.92)	<i>v_g</i>	0.01208	<i>v</i>				0.01233	0.01435	0.01601	0.01887
	<i>u_g</i>	256.00	<i>u</i>				258.48	280.78	301.84	343.24
	<i>h_g</i>	275.33	<i>h</i>				278.20	303.74	327.46	373.44
	<i>s_g</i>	0.8982	<i>s</i>				0.9069	0.9813	1.0467	1.1638

Saturated R-12 : Temperature table

Temp °C	Press. (bar)	Specific Vol., v (m ³ /kg)		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)	
T	P	<i>v_f</i> (<i>10⁻³</i>)	<i>v_g</i>	<i>u_f</i>	<i>u_g</i>	<i>h_f</i>	<i>h_{fg}</i>	<i>h_g</i>	<i>s_f</i>	<i>s_g</i>
-40	0.6417	0.6595	0.24191	-0.04	154.07	0.00	169.59	169.59	0.0000	0.7274
-35	0.8071	0.6656	0.19540	4.37	156.13	4.42	167.48	171.90	0.0187	0.7219
-30	1.0041	0.6720	0.15938	8.79	158.20	8.86	165.33	174.20	0.0371	0.7170
-28	1.0927	0.6746	0.14728	10.58	159.02	10.65	164.46	175.11	0.0444	0.7153
-26	1.1872	0.6773	0.13628	12.35	159.84	12.43	163.59	176.02	0.0517	0.7135
-25	1.2368	0.6786	0.13117	13.25	160.26	13.33	163.15	176.48	0.0552	0.7126
-24	1.2880	0.6800	0.12628	14.13	160.67	14.22	162.71	176.93	0.0589	0.7119
-22	1.3953	0.6827	0.11717	15.92	161.48	16.02	161.82	177.83	0.0660	0.7103
-20	1.5093	0.6855	0.10885	17.72	162.31	17.82	160.92	178.74	0.0731	0.7087
-18	1.6304	0.6883	0.10124	19.51	163.12	19.62	160.01	179.63	0.0802	0.7073
-15	1.8260	0.6926	0.09102	22.20	164.35	22.33	158.64	180.97	0.0906	0.7051
-10	2.1912	0.7000	0.07665	26.72	166.39	26.87	156.31	183.19	0.1080	0.7019
-5	2.6096	0.7078	0.06496	31.27	168.42	31.45	153.93	185.37	0.1251	0.6991
0	3.0861	0.7159	0.05539	35.83	170.44	36.05	151.48	187.53	0.1420	0.6965
4	3.5124	0.7227	0.04895	39.51	172.04	39.76	149.47	189.23	0.1553	0.6946
8	3.9815	0.7297	0.04340	43.21	173.63	43.50	147.41	190.91	0.1686	0.6929
12	4.4962	0.7370	0.03860	46.93	175.20	47.26	145.30	192.56	0.1817	0.6913
16	5.0591	0.7446	0.03442	50.67	176.78	51.05	143.14	194.19	0.1948	0.6898
20	5.6729	0.7525	0.03078	54.44	178.32	54.87	140.91	195.78	0.2078	0.6884
24	6.3405	0.7607	0.02759	58.25	179.85	58.73	138.61	197.34	0.2207	0.6871
26	6.6954	0.7650	0.02614	60.17	180.61	60.68	137.44	198.11	0.2271	0.6865
28	7.0648	0.7694	0.02478	62.09	181.36	62.63	136.24	198.87	0.2335	0.6859
30	7.4490	0.7739	0.02351	64.01	182.11	64.59	135.03	199.62	0.2400	0.6853
32	7.8485	0.7785	0.02231	65.96	182.85	66.57	133.79	200.36	0.2463	0.6847
34	8.2636	0.7832	0.02118	67.90	183.59	68.55	132.53	201.09	0.2527	0.6842
36	8.6948	0.7880	0.02012	69.86	184.31	70.55	131.25	201.80	0.2591	0.6836
38	9.1423	0.7929	0.01912	71.84	185.03	72.56	129.94	202.51	0.2655	0.6831
40	9.6065	0.7980	0.01817	73.82	185.74	74.59	128.61	203.20	0.2718	0.6825
42	10.088	0.8033	0.01728	75.82	186.45	76.63	127.25	203.88	0.2782	0.6820
44	10.587	0.8086	0.01644	77.82	187.13	78.68	125.87	204.54	0.2845	0.6814
48	11.639	0.8199	0.01488	81.88	188.51	82.83	123.00	205.83	0.2973	0.6802
52	12.766	0.8318	0.01349	86.00	189.83	87.06	119.99	207.05	0.3101	0.6791
56	13.972	0.8445	0.01224	90.18	191.10	91.36	116.84	208.20	0.3229	0.6779
60	15.259	0.8581	0.01111	94.43	192.31	95.74	113.52	209.26	0.3358	0.6765
112	41.155	1.7920	0.00179	175.98	175.98	183.35	0	183.53	0.5687	0.5687

Saturated R-12 : Pressure table

Press. (bar)	Temp °C	Specific Vol., v (m ³ /kg)		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)		
P	T	$v_f (10^{-3})$	v_g	u_f	u_g	h_f	h_{fg}	h_g	s_f	s_{fg}	s_g
0.6	-41.42	0.6578	0.2575	-1.29	153.49	-1.25	170.19	168.94	-0.0054	0.7344	0.7290
1.0	-30.10	0.6719	0.1600	8.71	158.15	8.78	165.37	174.15	0.0368	0.6803	0.7171
1.1	-27.94	0.6748	0.1478	10.62	158.76	10.69	164.32	175.01	0.0446	0.6701	0.7147
1.2	-25.74	0.6776	0.1349	12.58	159.95	12.66	163.48	176.14	0.0526	0.6607	0.7133
1.3	-23.80	0.6803	0.1258	14.21	160.57	14.30	162.62	176.92	0.0589	0.6523	0.7112
1.4	-21.91	0.6828	0.1168	15.99	161.52	16.09	161.78	177.87	0.0663	0.6439	0.7102
1.5	-20.14	0.6852	0.1095	17.48	162.15	17.59	160.99	178.58	0.0720	0.6363	0.7083
1.6	-18.49	0.6876	0.1031	19.07	162.91	19.18	160.23	179.41	0.0784	0.6292	0.7076
1.7	-16.99	0.6899	0.09811	20.40	163.28	20.52	159.44	179.96	0.0836	0.6224	0.7060
1.8	-15.38	0.6920	0.09225	21.86	164.19	21.98	158.82	180.80	0.0893	0.6161	0.7054
1.9	-13.94	0.6942	0.08784	23.11	164.64	23.24	158.09	181.33	0.0940	0.6099	0.7039
2.0	-12.53	0.6962	0.08354	24.43	165.36	24.57	157.50	182.07	0.0992	0.6043	0.7035
2.2	-9.89	0.7002	0.07638	26.80	166.30	26.95	156.16	183.11	0.1083	0.5930	0.7013
2.4	-7.42	0.7040	0.07033	29.06	167.44	29.23	155.09	184.32	0.1168	0.5836	0.7004
2.6	-5.11	0.7076	0.06523	31.13	168.24	31.31	153.89	185.20	0.1246	0.5741	0.6987
2.8	-2.93	0.7111	0.06076	33.15	169.26	33.35	152.92	186.27	0.1321	0.5659	0.6980
3.0	-0.84	0.7145	0.05690	34.96	170.00	35.17	151.91	187.08	0.1385	0.5579	0.6964
3.2	1.11	0.7177	0.05351	36.85	170.88	37.08	150.92	188.00	0.1457	0.5503	0.6960
3.4	2.91	0.7209	0.05079	38.47	171.36	38.72	149.91	188.63	0.1515	0.5432	0.6947
3.6	4.76	0.7240	0.04787	40.18	172.18	40.44	148.98	189.42	0.1577	0.5361	0.6938
3.8	6.48	0.7270	0.04550	41.73	172.87	42.01	148.14	190.15	0.1632	0.5298	0.6930
4.0	8.15	0.7299	0.04321	43.35	173.69	43.64	147.33	190.97	0.1691	0.5237	0.6928
4.5	11.96	0.7370	0.03876	46.86	174.96	47.19	145.21	192.40	0.1814	0.5094	0.6908
5.0	15.60	0.7438	0.03482	50.30	176.61	50.67	143.35	194.02	0.1935	0.4964	0.6899
5.5	18.87	0.7503	0.03182	53.32	177.70	53.74	141.46	195.20	0.2038	0.4845	0.6883
6.0	22.00	0.7566	0.02913	56.35	179.09	56.80	139.77	196.57	0.2142	0.4736	0.6878
6.5	24.91	0.7627	0.02693	59.07	180.05	59.56	137.99	197.55	0.2234	0.4729	0.6863
7.0	27.65	0.7686	0.02501	61.75	181.23	62.29	136.45	198.74	0.2324	0.4536	0.6860
7.5	30.26	0.7745	0.02336	64.21	182.06	64.79	134.78	199.57	0.2405	0.4442	0.6847
8.0	32.74	0.7802	0.02188	66.68	183.13	67.30	133.33	200.63	0.2487	0.4358	0.6845
8.5	35.11	0.7858	0.02059	68.93	183.84	69.60	131.74	201.34	0.2560	0.4274	0.6834
9.0	37.37	0.7914	0.01942	71.22	184.81	71.93	130.36	202.29	0.2634	0.4198	0.6832
9.5	39.54	0.7969	0.01839	73.30	185.43	74.05	128.85	202.90	0.2701	0.4120	0.6821
10.0	41.64	0.8023	0.01744	75.46	186.32	76.26	127.50	203.76	0.2770	0.4050	0.6820
12.0	49.31	0.8237	0.01441	83.22	188.95	84.21	122.03	206.24	0.3015	0.3784	0.6799
14.0	56.09	0.8448	0.01222	90.28	191.11	91.46	116.76	208.22	0.3232	0.3546	0.6778
16.0	62.19	0.8660	0.01054	96.80	192.95	98.19	111.62	209.81	0.3329	0.3429	0.6758

Superheated R-12

P (bar) (T _{sat} °C)	Saturated Properties		T °C	-40	-20	0	10	20	30	60	100
0.6 (-41.42)	<i>v_g</i>	0.2575	<i>v</i>	0.2593	0.2838	0.3079	0.3199	0.3317	0.3435	0.3787	0.4252
	<i>u_g</i>	153.49	<i>u</i>	154.16	163.91	174.05	179.26	184.57	189.96	206.69	230.10
	<i>h_g</i>	168.94	<i>h</i>	169.72	180.94	192.52	198.45	204.47	210.57	229.41	255.60
	<i>s_g</i>	0.7290	<i>s</i>	0.7324	0.7785	0.8225	0.8439	0.8647	0.8852	0.9444	1.0190
1 (-30.1)	<i>v_g</i>	0.1600	<i>v</i>		0.1677	0.1827	0.1900	0.1973	0.2045	0.2260	0.2542
	<i>u_g</i>	158.15	<i>u</i>		163.22	173.50	178.77	184.12	189.57	206.38	229.80
	<i>h_g</i>	174.15	<i>h</i>		179.99	191.77	197.77	203.85	210.01	228.98	255.22
	<i>s_g</i>	0.7171	<i>s</i>		0.7406	0.7854	0.8070	0.8281	0.8488	0.9084	0.9825
1.4 (-21.91)	<i>v_g</i>	0.1168	<i>v</i>		0.1179	0.1289	0.1343	0.1397	0.1449	0.1605	0.1809
	<i>u_g</i>	161.52	<i>u</i>		162.50	172.94	178.28	183.67	189.17	206.08	229.67
	<i>h_g</i>	177.87	<i>h</i>		179.01	190.99	197.08	203.23	209.46	228.55	255.00
	<i>s_g</i>	0.7102	<i>s</i>		0.7147	0.7602	0.7821	0.8035	0.8243	0.8844	0.9593
1.8 (-15.38)	<i>v_g</i>	0.0922	<i>v</i>			0.0991	0.1034	0.1079	0.1118	0.1241	0.1402
	<i>u_g</i>	164.20	<i>u</i>			172.37	177.77	183.23	188.77	205.78	229.45
	<i>h_g</i>	180.80	<i>h</i>			190.21	196.38	202.60	208.89	228.12	254.69
	<i>s_g</i>	0.7054	<i>s</i>			0.7408	0.7630	0.7846	0.8057	0.8662	0.9414
2 (-12.53)	<i>v_g</i>	0.0835	<i>v</i>			0.0886	0.0886	0.0964	0.1002	0.1114	0.1259
	<i>u_g</i>	165.37	<i>u</i>			172.08	172.08	183.00	188.56	205.62	229.35
	<i>h_g</i>	182.07	<i>h</i>			189.08	196.02	202.28	208.60	227.90	254.53
	<i>s_g</i>	0.7035	<i>s</i>			0.7325	0.7548	0.7766	0.7978	0.8585	0.9339
2.4 (-7.42)	<i>v_g</i>	0.0703	<i>v</i>			0.0729	0.0763	0.0796	0.0828	0.0923	0.1045
	<i>u_g</i>	167.45	<i>u</i>			171.49	176.98	182.53	188.14	205.31	229.12
	<i>h_g</i>	184.32	<i>h</i>			188.99	195.29	201.63	208.01	227.46	254.20
	<i>s_g</i>	0.7004	<i>s</i>			0.7177	0.7404	0.7624	0.7838	0.8450	0.9208
2.8 (-2.93)	<i>v_g</i>	0.0608	<i>v</i>			0.0616	0.0646	0.0676	0.0704	0.0787	0.0892
	<i>u_g</i>	169.26	<i>u</i>			170.89	176.45	182.06	187.71	205.00	228.29
	<i>h_g</i>	186.27	<i>h</i>			188.15	194.55	200.97	207.42	227.02	253.88
	<i>s_g</i>	0.6980	<i>s</i>			0.7049	0.7279	0.7502	0.7718	0.8334	0.9095
3.2 (1.11)	<i>v_g</i>	0.0535	<i>v</i>				0.0559	0.0585	0.0610	0.0684	0.0778
	<i>u_g</i>	170.88	<i>u</i>				175.90	181.57	187.28	204.68	228.66
	<i>h_g</i>	188.00	<i>h</i>				193.79	200.30	206.82	226.57	253.55
	<i>s_g</i>	0.6960	<i>s</i>				0.7167	0.7393	0.7612	0.8233	0.8997
4 (8.15)	<i>v_g</i>	0.0432	<i>v</i>				0.0436	0.0458	0.0479	0.0541	0.0617
	<i>u_g</i>	173.69	<i>u</i>				174.76	180.57	186.39	204.03	228.20
	<i>h_g</i>	190.97	<i>h</i>				192.21	198.91	205.58	225.65	252.89
	<i>s_g</i>	0.6928	<i>s</i>				0.6972	0.7204	0.7428	0.8060	0.8831
5 (15.6)	<i>v_g</i>	0.0348	<i>v</i>					0.0357	0.0374	0.0426	0.0489
	<i>u_g</i>	176.61	<i>u</i>					179.26	185.23	203.20	227.61
	<i>h_g</i>	194.02	<i>h</i>					197.08	203.96	224.48	252.05
	<i>s_g</i>	0.6899	<i>s</i>					0.7004	0.7235	0.7881	0.8662

Superheated R-12 (continued)

P (bar) (T _{sat} °C)	Saturated Properties		T °C	30	40	50	60	80	100	120	160
6.0 (22.00)	<i>v_g</i>	0.0291	<i>v</i>	0.0304	0.0319	0.0334	0.0348	0.0376	0.0403	0.0429	0.0479
	<i>u_g</i>	179.09	<i>u</i>	184.01	190.13	196.23	202.34	214.61	227.01	239.57	265.25
	<i>h_g</i>	196.57	<i>h</i>	202.26	209.31	216.30	223.27	237.20	251.20	265.32	294.01
	<i>s_g</i>	0.6878	<i>s</i>	0.7068	0.7297	0.7516	0.7729	0.8135	0.8520	0.8889	0.9584
7.0 (27.65)	<i>v_g</i>	0.0250	<i>v</i>	0.0253	0.0267	0.0281	0.0293	0.0318	0.0341	0.0364	0.0408
	<i>u_g</i>	181.23	<i>u</i>	182.72	189.00	195.23	201.45	213.88	226.40	239.05	264.83
	<i>h_g</i>	198.74	<i>h</i>	200.46	207.73	214.90	222.02	236.17	250.33	264.57	293.42
	<i>s_g</i>	0.6860	<i>s</i>	0.6917	0.7153	0.7378	0.7595	0.8008	0.8398	0.8769	0.9468
8.0 (32.74)	<i>v_g</i>	0.0218	<i>v</i>		0.0228	0.0240	0.0252	0.0274	0.0295	0.0316	0.0355
	<i>u_g</i>	183.13	<i>u</i>		187.81	194.19	200.52	213.13	225.77	238.51	264.41
	<i>h_g</i>	200.63	<i>h</i>		206.07	213.45	220.72	235.11	249.44	263.81	292.83
	<i>s_g</i>	0.6845	<i>s</i>		0.7021	0.7253	0.7474	0.7894	0.8289	0.8664	0.9367
9.0 (37.37)	<i>v_g</i>	0.0194	<i>v</i>		0.0197	0.0209	0.0220	0.0240	0.0260	0.0278	0.0313
	<i>u_g</i>	184.81	<i>u</i>		186.55	193.10	199.56	212.37	225.13	237.97	263.99
	<i>h_g</i>	202.29	<i>h</i>		204.32	211.92	219.37	234.03	248.54	263.03	292.23
	<i>s_g</i>	0.6832	<i>s</i>		0.6897	0.7136	0.7363	0.7790	0.8190	0.8569	0.9276
10.0 (41.64)	<i>v_g</i>	0.0174	<i>v</i>			0.0183	0.0194	0.0213	0.0231	0.0248	0.0280
	<i>u_g</i>	186.32	<i>u</i>			191.95	198.56	211.57	224.48	237.41	263.56
	<i>h_g</i>	203.76	<i>h</i>			210.32	217.97	232.91	247.61	262.25	291.63
	<i>s_g</i>	0.6820	<i>s</i>			0.7026	0.7259	0.7695	0.8100	0.8482	0.9193
12.0 (49.31)	<i>v_g</i>	0.0144	<i>v</i>			0.0144	0.0154	0.0172	0.0188	0.0203	0.0230
	<i>u_g</i>	188.95	<i>u</i>			189.43	196.41	209.91	223.13	236.27	263.70
	<i>h_g</i>	206.24	<i>h</i>			206.81	214.96	230.57	245.70	260.63	290.41
	<i>s_g</i>	0.6799	<i>s</i>			0.6816	0.7065	0.7520	0.7937	0.8326	0.9048
14.0 (56.09)	<i>v_g</i>	0.0122	<i>v</i>				0.0125	0.0142	0.0157	0.0170	0.0195
	<i>u_g</i>	191.11	<i>u</i>				194.00	208.11	221.70	235.09	261.80
	<i>h_g</i>	208.22	<i>h</i>				211.61	228.06	243.69	258.96	289.16
	<i>s_g</i>	0.6778	<i>s</i>				0.6881	0.7360	0.7791	0.8189	0.8921
16.0 (62.19)	<i>v_g</i>	0.0105	<i>v</i>					0.0119	0.0133	0.0146	0.0168
	<i>u_g</i>	192.95	<i>u</i>					206.17	220.19	233.84	260.90
	<i>h_g</i>	209.81	<i>h</i>					225.34	241.58	257.22	287.88
	<i>s_g</i>	0.6758	<i>s</i>					0.7209	0.7656	0.8065	0.8808

Saturated Ammonia : Temperature table

Temp °C	Press. (bar)	Specific Vol., v (m ³ /kg)		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Spec. Entropy, s (kJ/kg.K)	
T	P	<i>v_f</i> (10 ⁻³)	<i>v_g</i>	<i>u_f</i>	<i>u_g</i>	<i>h_f</i>	<i>h_{fg}</i>	<i>h_g</i>	<i>s_f</i>	<i>s_g</i>
-50	0.4086	1.4245	2.6265	-43.94	1265.0	-43.98	1416.2	1372.3	-0.1922	6.1543
-45	0.5453	1.4367	2.0060	-22.03	1271.2	-21.95	1402.5	1380.6	-0.0951	6.0523
-40	0.7174	1.4493	1.5524	-0.10	1277.2	0.00	1388.6	1388.6	0.0000	5.9557
-36	0.8850	1.4597	1.2757	17.47	1281.9	17.60	1377.2	1394.8	0.0747	5.8819
-32	1.0832	1.4703	1.0561	35.09	1286.4	32.25	1365.6	1400.8	0.1484	5.8111
-30	1.1950	1.4757	0.9634	43.93	1288.6	44.10	1359.7	1403.8	0.1849	5.7767
-28	1.3159	1.4812	0.8803	52.78	1290.8	52.97	1353.7	1406.7	0.2212	5.7430
-26	1.4465	1.4867	0.8056	61.65	1293.0	61.86	1347.7	1409.5	0.2572	5.7100
-22	1.7390	1.4980	0.6780	79.46	1297.2	79.72	1335.4	1415.1	0.3287	5.6457
-20	1.9019	1.5038	0.6233	88.40	1299.2	88.68	1329.1	1417.8	0.3642	5.6144
-18	2.0769	1.5096	0.5739	97.36	1301.3	97.68	1322.8	1420.5	0.3994	5.5837
-16	2.2644	1.5155	0.5291	106.36	1303.2	106.70	1316.4	1423.1	0.4346	5.5536
-14	2.4652	1.5215	0.4885	115.37	1305.2	115.75	1309.9	1425.6	0.4695	5.5239
-12	2.6798	1.5276	0.4516	124.42	1307.1	124.83	1303.3	1428.1	0.5043	5.4948
-10	2.9089	1.5338	0.4180	133.50	1309.0	133.94	1296.6	1430.6	0.5389	5.4662
-8	3.1532	1.5400	0.3874	142.60	1310.8	143.09	1289.9	1433.0	0.5734	5.4380
-6	3.4134	1.5464	0.3595	151.74	1312.6	152.26	1283.0	1435.3	0.6077	5.4103
-4	3.6901	1.5528	0.3340	160.88	1314.3	161.46	1276.1	1437.6	0.6418	5.3831
-2	3.9842	1.5594	0.3106	170.07	1316.0	170.69	1269.1	1439.8	0.6759	5.3562
0	4.2962	1.5660	0.2892	179.29	1317.7	179.96	1262.0	1441.9	0.7097	5.3298
2	4.6270	1.5727	0.2695	188.53	1319.3	189.26	1254.8	1444.0	0.7435	5.3038
4	4.9773	1.5796	0.2514	197.80	1320.9	198.59	1247.5	1446.1	0.7770	5.2781
6	5.3479	1.5866	0.2348	207.10	1322.5	207.95	1240.1	1448.0	0.8105	5.2529
8	5.7395	1.5936	0.2195	216.42	1324.0	217.34	1232.6	1449.9	0.8438	5.2279
10	6.1529	1.6008	0.2054	225.77	1325.4	226.75	1225.0	1451.8	0.8769	5.2033
12	6.5890	1.6081	0.1923	235.14	1326.8	236.20	1217.4	1453.6	0.9099	5.1791
16	7.5324	1.6231	0.1691	253.95	1329.5	255.18	1201.7	1456.9	0.9755	5.1314
20	8.5762	1.6386	0.1492	272.86	1331.9	274.26	1185.6	1459.9	1.0404	5.0849
24	9.7274	1.6547	0.1320	291.84	1334.2	293.45	1169.2	1462.6	1.1048	5.0394
28	10.9930	1.6714	0.1172	310.92	1336.2	312.75	1152.2	1465.0	1.1686	4.9948
32	12.3800	1.6887	0.1043	330.07	1338.0	332.17	1134.9	1467.0	1.2319	4.9509
36	13.8960	1.7068	0.0930	349.32	1339.5	351.69	1117.0	1468.7	1.2946	4.9078
40	15.5490	1.7256	0.0831	368.67	1340.7	371.35	1098.6	1470.0	1.3569	4.8652
45	17.8190	1.7503	0.0725	393.01	1341.8	396.13	1074.8	1471.0	1.4341	4.8125
50	20.3310	1.7765	0.0634	417.56	1342.4	421.17	1050.1	1471.3	1.5109	4.7604

Saturated Ammonia : Pressure table

Press. (bar)	Temp °C	Specific Vol., v (m ³ /kg)		Specific Int. Energy, u (kJ/kg)		Specific Enthalpy, h (kJ/kg)			Specific Entropy, s (kJ/kg.K)		
P	T	$v_f (10^{-3})$	v_g	u_f	u_g	h_f	h_{fg}	h_g	s_f	s_{fg}	s_g
0.40	-50.36	1.4236	2.6795	-45.52	1264.5	-45.46	1417.1	1371.7	-0.1992	6.3610	6.1618
0.50	-46.53	1.4330	2.1752	-28.73	1269.3	-28.66	1406.7	1378.1	-0.1245	6.2074	6.0829
0.60	-43.28	1.4410	1.8345	-14.51	1273.3	-14.42	1397.7	1383.3	-0.0622	6.0808	6.0186
0.70	-40.46	1.4482	1.5884	-2.11	1276.7	-2.01	1389.8	1387.8	-0.0086	5.9729	5.9643
0.80	-37.94	1.4546	1.4020	8.93	1279.6	9.04	1382.8	1391.8	0.0386	5.8788	5.9174
0.90	-35.67	1.4605	1.2559	18.91	1282.2	19.04	1376.2	1395.3	0.0808	5.7952	5.8760
1.00	-33.6	1.4460	1.1381	28.03	1284.6	28.18	1370.2	1398.4	0.1191	5.7200	5.8391
1.25	-29.07	1.4782	0.9237	48.03	1289.7	48.22	1356.8	1405.1	0.2018	5.5592	5.7610
1.50	-25.22	1.4889	0.7787	65.10	1293.8	65.32	1345.2	1410.6	0.2712	5.4261	5.6973
1.75	-21.86	1.4984	0.6740	80.08	1297.3	80.35	1335.0	1415.3	0.3312	5.3123	5.6435
2.00	-18.86	1.5071	0.5946	93.50	1300.4	93.80	1325.5	1419.3	0.3843	5.2126	5.5969
2.25	-16.15	1.5151	0.5323	105.68	1303.1	106.03	1316.8	1422.9	0.4319	5.1239	5.5558
2.50	-13.67	1.5225	0.4821	116.88	1305.5	117.26	1308.7	1426.0	0.4753	5.0437	5.5190
2.75	-11.37	1.5295	0.4408	127.26	1307.7	127.68	1301.2	1428.9	0.5152	4.9706	5.4858
3.00	-9.24	1.5361	0.4061	136.96	1309.7	137.42	1294.1	1431.5	0.5520	4.9034	5.4554
3.25	-7.24	1.5424	0.3765	146.06	1311.5	146.57	1287.2	1433.8	0.5864	4.8411	5.4275
3.50	-5.36	1.5484	0.3511	154.66	1313.1	155.20	1280.8	1436.0	0.6186	4.7830	5.4016
3.75	-3.58	1.5542	0.3289	162.80	1314.7	163.38	1274.6	1438.0	0.6489	4.7285	5.3774
4.00	-1.9	1.5597	0.3094	170.55	1316.1	171.18	1268.7	1439.9	0.6776	4.6772	5.3548
4.25	-0.29	1.5650	0.2924	177.96	1317.5	178.62	1263.0	1441.6	0.7048	4.6288	5.3336
4.50	1.25	1.5702	0.2767	185.04	1318.7	185.75	1257.5	1443.3	0.7308	4.5827	5.3135
4.75	2.72	1.5752	0.2629	191.84	1319.9	192.59	1252.2	1444.8	0.7555	4.5391	5.2946
5.00	4.13	1.5800	0.2503	198.39	1321.0	199.18	1247.0	1446.2	0.7791	4.4974	5.2765
5.25	5.48	1.5847	0.2390	204.69	1322.1	205.52	1241.9	1447.5	0.8018	4.4576	5.2594
5.50	6.79	1.5893	0.2286	210.78	1323.1	211.65	1237.2	1448.8	0.8236	4.4194	5.2430
5.75	8.05	1.5938	0.2191	216.66	1324.0	217.58	1232.4	1450.0	0.8446	4.3827	5.2273
6.00	9.27	1.5982	0.2104	222.37	1324.9	223.32	1227.7	1451.1	0.8649	4.3473	5.2122
7.00	13.79	1.6148	0.1815	243.56	1328.0	244.69	1210.4	1455.1	0.9394	4.2182	5.1576
8.00	17.84	1.6302	0.1596	262.64	1330.6	263.95	1194.3	1458.3	1.0054	4.1045	5.1099
9.00	21.52	1.6446	0.1424	280.05	1332.8	281.53	1179.5	1461.0	1.0649	4.0026	5.0675
10.00	24.89	1.6584	0.1285	296.10	1334.7	297.76	1165.4	1463.2	1.1191	3.9103	5.0294
12.00	30.94	1.6841	0.1075	324.99	1337.5	327.01	1139.4	1466.5	1.2152	3.7473	4.9625
14.00	36.26	1.7080	0.0823	350.58	1339.6	352.97	1115.8	1468.8	1.2987	3.6063	4.9050
16.00	41.03	1.7306	0.0808	373.69	1341.0	376.46	1093.7	1470.2	1.3729	3.4813	4.8542
18.00	45.38	1.7522	0.0717	394.85	1341.9	398.00	1073.0	1471.0	1.4399	3.3687	4.8086
20.00	49.37	1.7731	0.0644	414.44	1342.4	417.99	1053.3	1471.3	1.5012	3.2658	4.7670

Superheated Ammonia

P (bar) (T _{sat} °C)	Saturated Properties		T °C	-20	-10	0	10	20	40	60	80
0.5 (-46.53)	<i>v_g</i>	2.1746	<i>v</i>	2.4463	2.5471	2.6474	2.7472	2.8466	3.0447	3.2421	3.4390
	<i>u_g</i>	1436.7	<i>u</i>	1312.3	1328.3	1344.5	1360.7	1360.7	1409.8	1443.0	1476.9
	<i>h_g</i>	1545.4	<i>h</i>	1434.6	1455.7	1476.9	1498.1	1519.3	1562.0	1605.1	1648.8
	<i>s_g</i>	6.8662	<i>s</i>	6.3187	6.4006	6.4795	6.5556	6.6293	6.7703	6.9038	7.0312
0.75 (-39.15)	<i>v_g</i>	1.4884	<i>v</i>	1.6222	1.6905	1.7582	1.8255	1.8924	2.0255	2.1577	2.2895
	<i>u_g</i>	1445.7	<i>u</i>	1310.0	1326.5	1342.9	1359.3	1375.8	1408.8	1442.3	1476.3
	<i>h_g</i>	1557.3	<i>h</i>	1431.7	1453.3	1474.8	1496.2	1517.7	1560.7	1604.1	1648.0
	<i>s_g</i>	6.7232	<i>s</i>	6.1120	6.1954	6.2756	6.3527	6.4274	6.5693	6.7036	6.8315
1 (-33.6)	<i>v_g</i>	1.1381	<i>v</i>	1.2101	1.2621	1.3136	1.3647	1.4153	1.5158	1.5163	1.7148
	<i>u_g</i>	1284.6	<i>u</i>	1307.6	1324.3	1341.0	1357.6	1374.3	1407.9	1574.4	1475.6
	<i>h_g</i>	1398.4	<i>h</i>	1428.6	1450.5	1472.4	1494.1	1515.8	1559.5	1726.0	1647.1
	<i>s_g</i>	5.8391	<i>s</i>	5.9616	6.0467	6.1281	6.2063	6.2816	6.4258	7.2191	6.6892
1.25 (-29.06)	<i>v_g</i>	0.9237	<i>v</i>	0.9627	1.0051	1.0468	1.0881	1.1290	1.2100	1.2903	1.3700
	<i>u_g</i>	1289.7	<i>u</i>	1305.6	1322.7	1339.5	1356.5	1373.3	1407.0	1440.8	1475.1
	<i>h_g</i>	1405.1	<i>h</i>	1425.9	1448.3	1470.3	1492.5	1514.4	1558.2	1602.1	1646.3
	<i>s_g</i>	5.7610	<i>s</i>	5.8446	5.9314	6.0141	6.0933	6.1694	6.3138	6.4496	6.5785
1.5 (-25.22)	<i>v_g</i>	0.7787	<i>v</i>	0.7978	0.8336	0.8689	0.9037	0.9382	1.0062	1.0060	1.1401
	<i>u_g</i>	1293.8	<i>u</i>	1303.0	1320.4	1337.7	1354.8	1371.8	1406.0	1572.2	1474.4
	<i>h_g</i>	1410.6	<i>h</i>	1422.7	1445.5	1468.0	1490.3	1512.5	1556.9	1723.1	1645.4
	<i>s_g</i>	5.6973	<i>s</i>	5.7454	5.8338	5.9179	5.9981	6.0751	6.2217	7.0106	6.4877
2 (-18.86)	<i>v_g</i>	0.5946	<i>v</i>		0.6193	0.6465	0.6732	0.6995	0.7513	0.7508	0.8527
	<i>u_g</i>	1300.4	<i>u</i>		1316.5	1334.3	1351.9	1369.3	1404.0	1570.0	1473.2
	<i>h_g</i>	1419.3	<i>h</i>		1440.3	1463.6	1486.5	1509.2	1554.3	1720.2	1643.7
	<i>s_g</i>	5.5969	<i>s</i>		5.6781	5.7649	5.8473	5.9260	6.0751	6.8593	6.3437
2.5 (-13.67)	<i>v_g</i>	0.4821	<i>v</i>		0.4905	0.5129	0.5348	0.5563	0.5983	0.5984	0.6803
	<i>u_g</i>	1305.5	<i>u</i>		1312.4	1330.8	1348.9	1366.7	1402.1	1401.8	1471.8
	<i>h_g</i>	1426.0	<i>h</i>		1435.0	1459.1	1482.6	1505.8	1551.7	1551.4	1641.9
	<i>s_g</i>	5.5190	<i>s</i>		5.5534	5.6431	5.7278	5.8083	5.9599	5.9589	6.2312
3 (-9.24)	<i>v_g</i>	0.4061	<i>v</i>	m ³ /kg		0.4238	0.4425	0.4609	0.4964	0.4964	0.5653
	<i>u_g</i>	1309.7	<i>u</i>	kJ/kg		1327.3	1345.9	1364.1	1400.1	1399.9	1470.6
	<i>h_g</i>	1431.5	<i>h</i>	kJ/kg		1454.4	1478.7	1502.4	1549.0	1548.7	1640.2
	<i>s_g</i>	5.4554	<i>s</i>	kJ/kg.K		5.5409	5.6280	5.7103	5.8645	5.8635	6.1385
3.5 (-5.36)	<i>v_g</i>	0.3511	<i>v</i>			0.3601	0.3765	0.3925	0.4235	0.4235	0.4832
	<i>u_g</i>	1313.1	<i>u</i>			1323.7	1342.8	1361.5	1398.1	1397.9	1469.3
	<i>h_g</i>	1436.0	<i>h</i>			1449.7	1474.6	1498.9	1546.3	1546.1	1638.4
	<i>s_g</i>	5.4016	<i>s</i>			5.4522	5.5417	5.6259	5.7828	5.7818	6.0596
4 (-1.9)	<i>v_g</i>	0.3094	<i>v</i>			0.3123	0.3270	0.3413	0.3688	0.3688	0.4216
	<i>u_g</i>	1316.1	<i>u</i>			1320.0	1339.7	1358.8	1396.1	1395.9	1468.1
	<i>h_g</i>	1439.9	<i>h</i>			1444.9	1470.5	1495.3	1543.6	1543.4	1636.7
	<i>s_g</i>	5.3548	<i>s</i>			5.3731	5.4652	5.5515	5.7111	5.7101	5.9907
4.5 (1.25)	<i>v_g</i>	0.2767	<i>v</i>			0.2750	0.2885	0.3014	0.3263	0.3503	0.3737
	<i>u_g</i>	1318.7	<i>u</i>			1316.5	1336.5	1356.1	1393.8	1430.6	1466.5
	<i>h_g</i>	1443.3	<i>h</i>			1440.2	1466.3	1491.7	1540.6	1588.2	1634.6
	<i>s_g</i>	5.3135	<i>s</i>			5.3023	5.3962	5.4845	5.6460	5.7936	5.9285

Superheated Ammonia (continued)

P (bar) (T _{sat} °C)	Saturated Properties		T °C	10	20	30	40	80	120	160	200
5 (4.13)	<i>v_g</i>	0.2503	<i>v</i>	0.2576	0.2695	0.2810	0.2923	0.3354	0.3768	0.4175	0.4577
	<i>u_g</i>	1321.0	<i>u</i>	1333.2	1353.3	1372.8	1391.7	1465.2	1538.0	1612.4	1689.4
	<i>h_g</i>	1446.2	<i>h</i>	1462.0	1488.1	1513.3	1537.9	1632.8	1726.4	1821.1	1918.2
	<i>s_g</i>	5.2765	<i>s</i>	5.3330	5.4234	5.5080	5.5878	5.8733	6.1242	6.3537	6.5681
6 (9.27)	<i>v_g</i>	0.2104	<i>v</i>	0.2112	0.2216	0.2315	0.2412	0.2778	0.3128	0.3470	0.3807
	<i>u_g</i>	1324.9	<i>u</i>	1326.5	1347.6	1367.9	1387.5	1462.5	1536.1	1610.9	1688.2
	<i>h_g</i>	1451.1	<i>h</i>	1453.2	1480.6	1506.9	1532.2	1629.2	1723.8	1819.1	1916.6
	<i>s_g</i>	5.2122	<i>s</i>	5.2195	5.3145	5.4026	5.4851	5.7768	6.0304	6.2613	6.4766
7 (13.79)	<i>v_g</i>	0.1815	<i>v</i>		0.1872	0.1961	0.2046	0.2367	0.2671	0.2966	0.3257
	<i>u_g</i>	1328.0	<i>u</i>		1341.7	1362.9	1383.2	1459.9	1534.2	1609.4	1687.0
	<i>h_g</i>	1455.1	<i>h</i>		1472.8	1500.2	1526.5	1625.6	1721.1	1817.1	1915.0
	<i>s_g</i>	5.1576	<i>s</i>		5.2186	5.3104	5.3958	5.6939	5.9502	6.1826	6.3988
8 (17.84)	<i>v_g</i>	0.1596	<i>v</i>		0.1614	0.1695	0.1772	0.2059	0.2328	0.2589	0.2845
	<i>u_g</i>	1330.6	<i>u</i>		1335.6	1357.7	1378.8	1457.1	1532.2	1608.0	1685.8
	<i>h_g</i>	1458.3	<i>h</i>		1464.7	1493.3	1520.5	1621.9	1718.5	1815.0	1913.4
	<i>s_g</i>	5.1099	<i>s</i>		5.1318	5.2277	5.3161	5.6209	5.8801	6.1140	6.3311
9 (21.52)	<i>v_g</i>	0.1424	<i>v</i>			0.1487	0.1558	0.1819	0.2061	0.2295	0.2524
	<i>u_g</i>	1332.8	<i>u</i>			1352.4	1374.2	1454.4	1530.3	1606.5	1684.6
	<i>h_g</i>	1461.0	<i>h</i>			1486.2	1514.5	1618.1	1715.8	1813.0	1911.8
	<i>s_g</i>	5.0675	<i>s</i>			5.1520	5.2436	5.5555	5.8176	6.0530	6.2711
10 (24.89)	<i>v_g</i>	0.1285	<i>v</i>			0.1321	0.1387	0.1627	0.1848	0.2060	0.2267
	<i>u_g</i>	1334.7	<i>u</i>			1346.8	1369.5	1451.6	1528.4	1605.0	1683.4
	<i>h_g</i>	1463.2	<i>h</i>			1478.9	1508.2	1614.3	1713.1	1810.9	1910.1
	<i>s_g</i>	5.0294	<i>s</i>			5.0816	5.1768	5.4960	5.7612	5.9981	6.2171
12 (30.94)	<i>v_g</i>	0.1075	<i>v</i>				0.1129	0.1339	0.1528	0.1707	0.1882
	<i>u_g</i>	1337.5	<i>u</i>				1359.7	1445.9	1524.4	1602.0	1681.1
	<i>h_g</i>	1466.5	<i>h</i>				1495.2	1606.6	1707.7	1806.8	1906.9
	<i>s_g</i>	4.9625	<i>s</i>				5.0553	5.3906	5.6620	5.9021	6.1230
14 (36.26)	<i>v_g</i>	0.0923	<i>v</i>				0.0943	0.1132	0.1299	0.1455	0.1607
	<i>u_g</i>	1339.6	<i>u</i>				1349.3	1440.1	1520.4	1598.9	1678.6
	<i>h_g</i>	1468.8	<i>h</i>				1481.3	1598.6	1702.2	1802.7	1903.6
	<i>s_g</i>	4.9050	<i>s</i>				4.9153	5.2984	5.5765	5.8198	6.0427
16 (41.03)	<i>v_g</i>	0.0808	<i>v</i>					0.0977	0.1127	0.1266	0.1401
	<i>u_g</i>	1341.0	<i>u</i>					1434.0	1516.3	1595.9	1676.2
	<i>h_g</i>	1470.2	<i>h</i>					1590.4	1696.6	1798.5	1900.3
	<i>s_g</i>	4.8542	<i>s</i>					5.2156	5.5008	5.7475	5.9723
18 (45.38)	<i>v_g</i>	0.0717	<i>v</i>					0.0857	0.0993	0.1119	0.1240
	<i>u_g</i>	1341.9	<i>u</i>					1427.8	1512.2	1592.8	1673.8
	<i>h_g</i>	1471.0	<i>h</i>					1582.0	1691.0	1794.2	1897.0
	<i>s_g</i>	4.8086	<i>s</i>					5.1399	5.4326	5.6828	5.9096
20 (49.37)	<i>v_g</i>	0.0645	<i>v</i>					0.0760	0.0886	0.1002	0.1112
	<i>u_g</i>	1342.4	<i>u</i>					1421.4	1508.0	1589.7	1671.3
	<i>h_g</i>	1471.3	<i>h</i>					1573.3	1685.2	1789.8	1893.6
	<i>s_g</i>	4.7670	<i>s</i>					5.0696	5.3703	5.6241	5.8530