

H<sub>2</sub>O

**Properties of Saturated Water (Liquid-Vapor): Temperature Table**

Temp. °C	Temp. °C	Specific Volume m <sup>3</sup> /kg		Internal Energy kJ/kg		Enthalpy kJ/kg		Entropy kJ/kg · K	
		Sat. Liquid v <sub>f</sub> × 10 <sup>3</sup>	Sat. Vapor v <sub>g</sub>	Sat. Liquid u <sub>f</sub>	Sat. Vapor u <sub>g</sub>	Sat. Liquid h <sub>f</sub>	Evap. h <sub>fg</sub>	Sat. Liquid s <sub>f</sub>	Sat. Vapor s <sub>g</sub>
.01	9.1562	1.0002	206.136	0.00	2375.3	0.01	2501.3	0.0000	9.1562
4	9.0514	1.0001	157.232	16.77	2380.9	16.78	2491.9	0.0610	9.0514
5	9.0257	1.0001	147.120	20.97	2382.3	20.98	2489.6	0.0761	9.0257
6	9.0003	1.0001	137.734	25.19	2383.6	25.20	2487.2	0.0912	9.0003
8	8.9501	1.0002	120.917	33.59	2386.4	33.60	2482.5	0.1212	8.9501
10	8.9008	1.0004	106.379	42.00	2389.2	42.01	2477.7	0.1510	8.9008
11	8.8765	1.0004	99.857	46.20	2390.5	46.20	2475.4	0.1658	8.8765
12	8.8524	1.0005	93.784	50.41	2391.9	50.41	2473.0	0.1806	8.8524
13	8.8285	1.0007	88.124	54.60	2393.3	54.60	2470.7	0.1953	8.8285
14	8.8048	1.0008	82.848	58.79	2394.7	58.80	2468.3	0.2099	8.8048
15	8.7814	1.0009	77.926	62.99	2396.1	62.99	2465.9	0.2245	8.7814
16	8.7582	1.0011	73.333	67.18	2397.4	67.19	2463.6	0.2390	8.7582
17	8.7351	1.0012	69.044	71.38	2398.8	71.38	2461.2	0.2535	8.7351
18	8.7123	1.0014	65.038	75.57	2400.2	75.58	2458.8	0.2679	8.7123
19	8.6897	1.0016	61.293	79.76	2401.6	79.77	2456.5	0.2823	8.6897
20	8.6672	1.0018	57.791	83.95	2402.9	83.96	2454.1	0.2966	8.6672
21	8.6450	1.0020	54.514	88.14	2404.3	88.14	2451.8	0.3109	8.6450
22	8.6229	1.0022	51.447	92.32	2405.7	92.33	2449.4	0.3251	8.6229
23	8.6011	1.0024	48.574	96.51	2407.0	96.52	2447.0	0.3393	8.6011
24	8.5794	1.0027	45.883	100.70	2408.4	100.70	2444.7	0.3534	8.5794
25	8.5580	1.0029	43.360	104.88	2409.8	104.89	2442.3	0.3674	8.5580
26	8.5367	1.0032	40.994	109.06	2411.1	109.07	2439.9	0.3814	8.5367
27	8.5156	1.0035	38.774	113.25	2412.5	113.25	2437.6	0.3954	8.5156
28	8.4946	1.0037	36.690	117.42	2413.9	117.43	2435.2	0.4093	8.4946
29	8.4739	1.0040	34.733	121.60	2415.2	121.61	2432.8	0.4231	8.4739
30	8.4533	1.0043	32.894	125.78	2416.6	125.79	2430.5	0.4369	8.4533
31	8.4329	1.0046	31.165	129.96	2418.0	129.97	2428.1	0.4507	8.4329
32	8.4127	1.0050	29.540	134.14	2419.3	134.15	2425.7	0.4644	8.4127
33	8.3927	1.0053	28.011	138.32	2420.7	138.33	2423.4	0.4781	8.3927
34	8.3728	1.0056	26.571	142.50	2422.0	142.50	2421.0	0.4917	8.3728
35	8.3531	1.0060	25.216	146.67	2423.4	146.68	2418.6	0.5053	8.3531
36	8.3336	1.0063	23.940	150.85	2424.7	150.86	2416.2	0.5188	8.3336
38	8.2950	1.0071	21.602	159.20	2427.4	159.21	2411.5	0.5458	8.2950
40	8.2570	1.0078	19.523	167.56	2430.1	167.57	2406.7	0.5725	8.2570
45	8.1648	1.0099	15.258	188.44	2436.8	188.45	2394.8	0.6387	8.1648

**Table A-2**  
 Pressure Conversions:  
 1 bar = 0.1 MPa  
 = 102 kPa

Table A-2 (Continued)

Temp. °C	Press. bar	Specific Volume m <sup>3</sup> /kg		Internal Energy kJ/kg		Enthalpy kJ/kg			Entropy kJ/kg · K		Temp. °C
		Sat. Liquid $v_f \times 10^3$	Sat. Vapor $v_g$	Sat. Liquid $u_f$	Sat. Vapor $u_g$	Sat. Liquid $h_f$	Evap. $h_{fg}$	Sat. Vapor $h_g$	Sat. Liquid $s_f$	Sat. Vapor $s_g$	
50	.1235	1.0121	12.032	209.32	2443.5	209.33	2382.7	2592.1	.7038	8.0763	50
55	.1576	1.0146	9.568	230.21	2450.1	230.23	2370.7	2600.9	.7679	7.9913	55
60	.1994	1.0172	7.671	251.11	2456.6	251.13	2358.5	2609.6	.8312	7.9096	60
65	.2503	1.0199	6.197	272.02	2463.1	272.06	2346.2	2618.3	.8935	7.8310	65
70	.3119	1.0228	5.042	292.95	2469.6	292.98	2333.8	2626.8	.9549	7.7553	70
75	.3858	1.0259	4.131	313.90	2475.9	313.93	2321.4	2635.3	1.0155	7.6824	75
80	.4739	1.0291	3.407	334.86	2482.2	334.91	2308.8	2643.7	1.0753	7.6122	80
85	.5783	1.0325	2.828	355.84	2488.4	355.90	2296.0	2651.9	1.1343	7.5445	85
90	.7014	1.0360	2.361	376.85	2494.5	376.92	2283.2	2660.1	1.1925	7.4791	90
95	.8455	1.0397	1.982	397.88	2500.6	397.96	2270.2	2668.1	1.2500	7.4159	95
100	1.014	1.0435	1.673	418.94	2506.5	419.04	2257.0	2676.1	1.3069	7.3549	100
110	1.433	1.0516	1.210	461.14	2518.1	461.30	2230.2	2691.5	1.4185	7.2387	110
120	1.985	1.0603	0.8919	503.50	2529.3	503.71	2202.6	2706.3	1.5276	7.1296	120
130	2.701	1.0697	0.6685	546.02	2539.9	546.31	2174.2	2720.5	1.6344	7.0269	130
140	3.613	1.0797	0.5089	588.74	2550.0	589.13	2144.7	2733.9	1.7391	6.9299	140
150	4.758	1.0905	0.3928	631.68	2559.5	632.20	2114.3	2746.5	1.8418	6.8379	150
160	6.178	1.1020	0.3071	674.86	2568.4	675.55	2082.6	2758.1	1.9427	6.7502	160
170	7.917	1.1143	0.2428	718.33	2576.5	719.21	2049.5	2768.7	2.0419	6.6663	170
180	10.02	1.1274	0.1941	762.09	2583.7	763.22	2015.0	2778.2	2.1396	6.5857	180
190	12.54	1.1414	0.1565	806.19	2590.0	807.62	1978.8	2786.4	2.2359	6.5079	190
200	15.54	1.1565	0.1274	850.65	2595.3	852.45	1940.7	2793.2	2.3309	6.4323	200
210	19.06	1.1726	0.1044	895.53	2599.5	897.76	1900.7	2798.5	2.4248	6.3585	210
220	23.18	1.1900	0.08619	940.87	2602.4	943.62	1858.5	2802.1	2.5178	6.2861	220
230	27.95	1.2088	0.07158	986.74	2603.9	990.12	1813.8	2804.0	2.6099	6.2146	230
240	33.44	1.2291	0.05976	1033.2	2604.0	1037.3	1766.5	2803.8	2.7015	6.1437	240
250	39.73	1.2512	0.05013	1080.4	2602.4	1085.4	1716.2	2801.5	2.7927	6.0730	250
260	46.88	1.2755	0.04221	1128.4	2599.0	1134.4	1662.5	2796.6	2.8838	6.0019	260
270	54.99	1.3023	0.03564	1177.4	2593.7	1184.5	1605.2	2789.7	2.9751	5.9301	270
280	64.12	1.3321	0.03017	1227.5	2586.1	1236.0	1543.6	2779.6	3.0668	5.8571	280
290	74.36	1.3656	0.02557	1278.9	2576.0	1289.1	1477.1	2766.2	3.1594	5.7821	290
300	85.81	1.4036	0.02167	1332.0	2563.0	1344.0	1404.9	2749.0	3.2534	5.7045	300
320	112.7	1.4988	0.01549	1444.6	2525.5	1461.5	1238.6	2700.1	3.4480	5.5362	320
340	145.9	1.6379	0.01080	1570.3	2464.6	1594.2	1027.9	2622.0	3.6594	5.3357	340
360	186.5	1.8925	0.006945	1725.2	2351.5	1760.5	720.5	2481.0	3.9147	5.0526	360
374.14	220.9	3.155	0.003155	2029.6	2029.6	2099.3	0	2099.3	4.4298	4.4298	374.14

Source: Tables A-2 through A-5 are extracted from J. H. Keenan, F. G. Keyes, P. G. Hill, and J. G. Moore, *Steam Tables*, Wiley, New York, 1969.

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Press. bar	Temp. °C	Specific Volume m <sup>3</sup> /kg		Internal Energy kJ/kg		Enthalpy kJ/kg		Entropy kJ/kg · K	
		Sat. Liquid	Sat. Vapor	Sat. Liquid	Sat. Vapor	Sat. Liquid	Sat. Vapor	Sat. Liquid	Sat. Vapor
110.	318.2	1.4886	0.01599	1433.7	2529.8	1450.1	1255.5	2705.6	3.4295
100.	311.1	1.4524	0.01803	1393.0	2544.4	1407.6	1255.5	2724.7	3.3596
90.0	303.4	1.4178	0.02048	1350.5	2557.8	1363.3	1255.5	2742.1	3.2858
80.0	295.1	1.3842	0.02352	1305.6	2569.8	1316.6	1255.5	2758.0	3.2068
70.0	285.9	1.3513	0.02737	1257.6	2580.5	1267.0	1255.5	2772.1	3.1211
60.0	275.6	1.3187	0.03244	1205.4	2589.7	1213.4	1255.5	2784.3	3.0267
50.0	264.0	1.2859	0.03944	1147.8	2597.1	1154.2	1255.5	2794.3	2.9202
45.0	257.5	1.2692	0.04406	1116.2	2600.1	1121.9	1255.5	2798.3	2.8610
40.0	250.4	1.2522	0.04978	1082.3	2602.3	1087.3	1255.5	2801.4	2.7964
35.0	242.6	1.2347	0.05707	1045.4	2603.7	1049.8	1255.5	2803.4	2.7253
30.0	233.9	1.2165	0.06668	1004.8	2604.1	1008.4	1255.5	2804.2	2.6457
25.0	224.0	1.1973	0.07998	959.11	2603.1	962.11	1255.5	2803.1	2.5547
20.0	212.4	1.1767	0.09963	906.44	2600.3	908.79	1255.5	2799.5	2.4474
15.0	198.3	1.1539	0.1318	843.16	2594.5	844.84	1255.5	2792.2	2.3150
10.0	179.9	1.1273	0.1944	761.68	2583.6	762.81	1255.5	2778.1	2.1387
9.00	175.4	1.1212	0.2150	741.83	2580.5	742.83	1255.5	2773.9	2.0946
8.00	170.4	1.1148	0.2404	720.22	2576.8	721.11	1255.5	2769.1	2.0462
7.00	165.0	1.1080	0.2729	696.44	2572.5	697.22	1255.5	2763.5	1.9922
6.00	158.9	1.1006	0.3157	669.90	2567.4	670.56	1255.5	2756.8	1.9312
5.00	151.9	1.0926	0.3749	639.68	2561.2	640.23	1255.5	2748.7	1.8607
4.50	147.9	1.0882	0.4140	622.25	2557.6	623.25	1255.5	2743.9	1.8207
4.00	143.6	1.0836	0.4625	604.31	2553.6	604.74	1255.5	2738.6	1.7766
3.50	138.9	1.0786	0.5243	583.95	2546.9	584.33	1255.5	2732.4	1.7275
3.00	133.6	1.0732	0.6058	561.15	2543.6	561.47	1255.5	2725.3	1.6718
2.50	127.4	1.0672	0.7187	535.10	2537.2	535.37	1255.5	2716.9	1.6072
2.00	120.2	1.0605	0.8857	504.49	2529.5	504.70	1255.5	2706.7	1.5301
1.50	111.4	1.0528	1.159	466.94	2519.7	467.11	1255.5	2693.6	1.4336
1.00	99.63	1.0432	1.694	417.36	2506.1	417.46	1255.5	2675.5	1.3026
0.90	96.71	1.0410	1.869	405.06	2502.6	405.15	1255.5	2670.9	1.2695
0.80	93.50	1.0380	2.087	391.58	2498.8	391.66	1255.5	2665.8	1.2329
0.70	89.95	1.0360	2.365	376.63	2494.5	376.70	1255.5	2660.0	1.1919
0.60	85.94	1.0331	2.732	359.79	2489.6	359.86	1255.5	2653.5	1.1453
0.50	81.33	1.0300	3.240	340.44	2483.9	340.49	1255.5	2645.9	1.0910
0.40	75.87	1.0265	3.993	317.53	2477.0	317.58	1255.5	2636.8	1.0259
0.30	69.10	1.0223	5.229	289.20	2468.4	289.23	1255.5	2625.3	0.9439
0.20	60.06	1.0172	7.649	251.38	2456.7	251.40	1255.5	2609.7	0.8320
0.10	45.81	1.0102	14.674	191.82	2437.9	191.83	1255.5	2584.7	0.6493
0.08	41.51	1.0084	18.103	173.87	2432.2	173.88	1255.5	2577.0	0.5926
0.06	36.16	1.0064	23.739	151.53	2425.0	151.53	1255.5	2567.4	0.5210
0.04	28.96	1.0040	34.800	121.45	2415.2	121.46	1255.5	2554.4	0.4226

Table A-3 Properties of Saturated Water (Liquid-Vapor): Pressure Table

Pressure Conversions:  
1 bar = 0.1 MPa  
= 10<sup>2</sup> kPa

Table A-3 (Continued)

Press. bar	Temp. °C	Specific Volume m <sup>3</sup> /kg		Internal Energy kJ/kg		Enthalpy kJ/kg			Entropy kJ/kg · K		Press. bar
		Sat. Liquid $v_f \times 10^3$	Sat. Vapor $v_g$	Sat. Liquid $u_f$	Sat. Vapor $u_g$	Sat. Liquid $h_f$	Evap. $h_{fg}$	Sat. Vapor $h_g$	Sat. Liquid $s_f$	Sat. Vapor $s_g$	
120.	324.8	1.5267	0.01426	1473.0	2513.7	1491.3	1193.6	2684.9	3.4962	5.4924	120.
130.	330.9	1.5671	0.01278	1511.1	2496.1	1531.5	1130.7	2662.2	3.5606	5.4323	130.
140.	336.8	1.6107	0.01149	1548.6	2476.8	1571.1	1066.5	2637.6	3.6232	5.3717	140.
150.	342.2	1.6581	0.01034	1585.6	2455.5	1610.5	1000.0	2610.5	3.6848	5.3098	150.
160.	347.4	1.7107	0.009306	1622.7	2431.7	1650.1	930.6	2580.6	3.7461	5.2455	160.
170.	352.4	1.7702	0.008364	1660.2	2405.0	1690.3	856.9	2547.2	3.8079	5.1777	170.
180.	357.1	1.8397	0.007489	1698.9	2374.3	1732.0	777.1	2509.1	3.8715	5.1044	180.
190.	361.5	1.9243	0.006657	1739.9	2338.1	1776.5	688.0	2464.5	3.9388	5.0228	190.
200.	365.8	2.036	0.005834	1785.6	2293.0	1826.3	583.4	2409.7	4.0139	4.9269	200.
220.9	374.1	3.155	0.003155	2029.6	2029.6	2099.3	0	2099.3	4.4298	4.4298	220.9

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Table A-3 (Continued)

Press. bar	Temp. °C	Specific Volume m <sup>3</sup> /kg		Internal Energy kJ/kg		Enthalpy kJ/kg			Entropy kJ/kg · K		Press. bar
		Sat. Liquid v <sub>f</sub> × 10 <sup>3</sup>	Sat. Vapor v <sub>g</sub>	Sat. Liquid u <sub>f</sub>	Sat. Vapor u <sub>g</sub>	Sat. Liquid h <sub>f</sub>	Evap. h <sub>fg</sub>	Sat. Vapor h <sub>g</sub>	Sat. Liquid s <sub>f</sub>	Sat. Vapor s <sub>g</sub>	
120.	324.8	1.5267	0.01426	1473.0	2513.7	1491.3	1193.6	2684.9	3.4962	5.4924	120.
130.	330.9	1.5671	0.01278	1511.1	2496.1	1531.5	1130.7	2662.2	3.5606	5.4323	130.
140.	336.8	1.6107	0.01149	1548.6	2476.8	1571.1	1066.5	2637.6	3.6232	5.3717	140.
150.	342.2	1.6581	0.01034	1585.6	2455.5	1610.5	1000.0	2610.5	3.6848	5.3098	150.
160.	347.4	1.7107	0.009306	1622.7	2431.7	1650.1	930.6	2580.6	3.7461	5.2455	160.
170.	352.4	1.7702	0.008364	1660.2	2405.0	1690.3	856.9	2547.2	3.8079	5.1777	170.
180.	357.1	1.8397	0.007489	1698.9	2374.3	1732.0	777.1	2509.1	3.8715	5.1044	180.
190.	361.5	1.9243	0.006657	1739.9	2338.1	1776.5	688.0	2464.5	3.9388	5.0228	190.
200.	365.8	2.036	0.005834	1785.6	2293.0	1826.3	583.4	2409.7	4.0139	4.9269	200.
220.9	374.1	3.155	0.003155	2029.6	2029.6	2099.3	0	2099.3	4.4298	4.4298	220.9

Table A-4 Properties of Superheated Water Vapor

T °C	v m <sup>3</sup> /kg	u kJ/kg	h kJ/kg	s kJ/kg · K	v m <sup>3</sup> /kg	u kJ/kg	h kJ/kg	s kJ/kg · K
<i>p</i> = 0.06 bar = 0.006 MPa ( <i>T</i> <sub>sat</sub> = 36.16°C)				<i>p</i> = 0.35 bar = 0.035 MPa ( <i>T</i> <sub>sat</sub> = 72.69°C)				
Sat.	23.739	2425.0	2567.4	8.3304	4.526	2473.0	2631.4	7.7158
80	27.132	2487.3	2650.1	8.5804	4.625	2483.7	2645.6	7.7564
120	30.219	2544.7	2726.0	8.7840	5.163	2542.4	2723.1	7.9644
160	33.302	2602.7	2802.5	8.9693	5.696	2601.2	2800.6	8.1519
200	36.383	2661.4	2879.7	9.1398	6.228	2660.4	2878.4	8.3237
240	39.462	2721.0	2957.8	9.2982	6.758	2720.3	2956.8	8.4828
280	42.540	2781.5	3036.8	9.4464	7.287	2780.9	3036.0	8.6314
320	45.618	2843.0	3116.7	9.5859	7.815	2842.5	3116.1	8.7712
360	48.696	2905.5	3197.7	9.7180	8.344	2905.1	3197.1	8.9034
400	51.774	2969.0	3279.6	9.8435	8.872	2968.6	3279.2	9.0291
440	54.851	3033.5	3362.6	9.9633	9.400	3033.2	3362.2	9.1490
500	59.467	3132.3	3489.1	10.1336	10.192	3132.1	3488.8	9.3194
<i>p</i> = 0.70 bar = 0.07 MPa ( <i>T</i> <sub>sat</sub> = 89.95°C)				<i>p</i> = 1.0 bar = 0.10 MPa ( <i>T</i> <sub>sat</sub> = 99.63°C)				
Sat.	2.365	2494.5	2660.0	7.4797	1.694	2506.1	2675.5	7.3594
100	2.434	2509.7	2680.0	7.5341	1.696	2506.7	2676.2	7.3614
120	2.571	2539.7	2719.6	7.6375	1.793	2537.3	2716.6	7.4668
160	2.841	2599.4	2798.2	7.8279	1.984	2597.8	2796.2	7.6597
200	3.108	2659.1	2876.7	8.0012	2.172	2658.1	2875.3	7.8343
240	3.374	2719.3	2955.5	8.1611	2.359	2718.5	2954.5	7.9949
280	3.640	2780.2	3035.0	8.3162	2.546	2779.6	3034.2	8.1445
320	3.905	2842.0	3115.3	8.4504	2.732	2841.5	3114.6	8.2849
360	4.170	2904.6	3196.5	8.5828	2.917	2904.2	3195.9	8.4175
400	4.434	2968.2	3278.6	8.7086	3.103	2967.9	3278.2	8.5435
440	4.698	3032.9	3361.8	8.8286	3.288	3032.6	3361.4	8.6636
500	5.095	3131.8	3488.5	8.9991	3.565	3131.6	3488.1	8.8342
<i>p</i> = 1.5 bar = 0.15 MPa ( <i>T</i> <sub>sat</sub> = 111.37°C)				<i>p</i> = 3.0 bar = 0.30 MPa ( <i>T</i> <sub>sat</sub> = 133.55°C)				
Sat.	1.159	2519.7	2693.6	7.2233	0.606	2543.6	2725.3	6.9919
120	1.188	2533.3	2711.4	7.2693	0.651	2587.1	2782.3	7.1276
160	1.317	2595.2	2792.8	7.4665	0.716	2650.7	2865.5	7.3115
200	1.444	2656.2	2872.9	7.6433	0.781	2713.1	2947.3	7.4774
240	1.570	2717.2	2952.7	7.8052	0.844	2775.4	3028.6	7.6299
280	1.695	2778.6	3032.8	7.9555	0.907	2838.1	3110.1	7.7722
320	1.819	2840.6	3113.5	8.0964	0.969	2901.4	3192.2	7.9061
360	1.943	2903.5	3195.0	8.2293	1.032	2965.6	3275.0	8.0330
400	2.067	2967.3	3277.4	8.3555	1.094	3030.6	3358.7	8.1538
440	2.191	3032.1	3360.7	8.4757	1.187	3130.0	3486.0	8.3251
500	2.376	3131.2	3487.6	8.6466	1.341	3300.8	3703.2	8.5892
600	2.685	3301.7	3704.3	8.9101				

Pressure Conversions:  
1 bar = 0.1 MPa  
= 10<sup>2</sup> kPa

H<sub>2</sub>O

H<sub>2</sub>O

Table A-4 (Continued)

$T$ °C	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg · K	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg · K
$p = 5.0 \text{ bar} = 0.50 \text{ MPa}$ ( $T_{\text{sat}} = 151.86^\circ\text{C}$ )					$p = 7.0 \text{ bar} = 0.70 \text{ MPa}$ ( $T_{\text{sat}} = 164.97^\circ\text{C}$ )			
Sat.	0.3749	2561.2	2748.7	6.8213	0.2729	2572.5	2763.5	6.7080
180	0.4045	2609.7	2812.0	6.9656	0.2847	2599.8	2799.1	6.7880
200	0.4249	2642.9	2855.4	7.0592	0.2999	2634.8	2844.8	6.8865
240	0.4646	2707.6	2939.9	7.2307	0.3292	2701.8	2932.2	7.0641
280	0.5034	2771.2	3022.9	7.3865	0.3574	2766.9	3017.1	7.2233
320	0.5416	2834.7	3105.6	7.5308	0.3852	2831.3	3100.9	7.3697
360	0.5796	2898.7	3188.4	7.6660	0.4126	2895.8	3184.7	7.5063
400	0.6173	2963.2	3271.9	7.7938	0.4397	2960.9	3268.7	7.6350
440	0.6548	3028.6	3356.0	7.9152	0.4667	3026.6	3353.3	7.7571
500	0.7109	3128.4	3483.9	8.0873	0.5070	3126.8	3481.7	7.9299
600	0.8041	3299.6	3701.7	8.3522	0.5738	3298.5	3700.2	8.1956
700	0.8969	3477.5	3925.9	8.5952	0.6403	3476.6	3924.8	8.4391
$p = 10.0 \text{ bar} = 1.0 \text{ MPa}$ ( $T_{\text{sat}} = 179.91^\circ\text{C}$ )					$p = 15.0 \text{ bar} = 1.5 \text{ MPa}$ ( $T_{\text{sat}} = 198.32^\circ\text{C}$ )			
Sat.	0.1944	2583.6	2778.1	6.5865	0.1318	2594.5	2792.2	6.4448
200	0.2060	2621.9	2827.9	6.6940	0.1325	2598.1	2796.8	6.4546
240	0.2275	2692.9	2920.4	6.8817	0.1483	2676.9	2899.3	6.6628
280	0.2480	2760.2	3008.2	7.0465	0.1627	2748.6	2992.7	6.8381
320	0.2678	2826.1	3093.9	7.1962	0.1765	2817.1	3081.9	6.9938
360	0.2873	2891.6	3178.9	7.3349	0.1899	2884.4	3169.2	7.1363
400	0.3066	2957.3	3263.9	7.4651	0.2030	2951.3	3255.8	7.2690
440	0.3257	3023.6	3349.3	7.5883	0.2160	3018.5	3342.5	7.3940
500	0.3541	3124.4	3478.5	7.7622	0.2352	3120.3	3473.1	7.5698
540	0.3729	3192.6	3565.6	7.8720	0.2478	3189.1	3560.9	7.6805
600	0.4011	3296.8	3697.9	8.0290	0.2668	3293.9	3694.0	7.8385
640	0.4198	3367.4	3787.2	8.1290	0.2793	3364.8	3783.8	7.9391
$p = 20.0 \text{ bar} = 2.0 \text{ MPa}$ ( $T_{\text{sat}} = 212.42^\circ\text{C}$ )					$p = 30.0 \text{ bar} = 3.0 \text{ MPa}$ ( $T_{\text{sat}} = 233.90^\circ\text{C}$ )			
Sat.	0.0996	2600.3	2799.5	6.3409	0.0667	2604.1	2804.2	6.1869
240	0.1085	2659.6	2876.5	6.4952	0.0682	2619.7	2824.3	6.2265
280	0.1200	2736.4	2976.4	6.6828	0.0771	2709.9	2941.3	6.4462
320	0.1308	2807.9	3069.5	6.8452	0.0850	2788.4	3043.4	6.6245
360	0.1411	2877.0	3159.3	6.9917	0.0923	2861.7	3138.7	6.7801
400	0.1512	2945.2	3247.6	7.1271	0.0994	2932.8	3230.9	6.9212
440	0.1611	3013.4	3335.5	7.2540	0.1062	3002.9	3321.5	7.0520
500	0.1757	3116.2	3467.6	7.4317	0.1162	3108.0	3456.5	7.2338
540	0.1853	3185.6	3556.1	7.5434	0.1227	3178.4	3546.6	7.3474
600	0.1996	3290.9	3690.1	7.7024	0.1324	3285.0	3682.3	7.5085
640	0.2091	3362.2	3780.4	7.8035	0.1388	3357.0	3773.5	7.6106
700	0.2232	3470.9	3917.4	7.9487	0.1484	3466.5	3911.7	7.7571

Table A-4 (Continued)

$T$ °C	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg·K	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg·K
$p = 5.0 \text{ bar} = 0.50 \text{ MPa}$ ( $T_{\text{sat}} = 151.86^\circ\text{C}$ )				$p = 7.0 \text{ bar} = 0.70 \text{ MPa}$ ( $T_{\text{sat}} = 164.97^\circ\text{C}$ )				
Sat.	0.3749	2561.2	2748.7	6.8213	0.2729	2572.5	2763.5	6.7080
180	0.4045	2609.7	2812.0	6.9656	0.2847	2599.8	2799.1	6.7880
200	0.4249	2642.9	2855.4	7.0592	0.2999	2634.8	2844.8	6.8865
240	0.4646	2707.6	2939.9	7.2307	0.3292	2701.8	2932.2	7.0641
280	0.5034	2771.2	3022.9	7.3865	0.3574	2766.9	3017.1	7.2233
320	0.5416	2834.7	3105.6	7.5308	0.3852	2831.3	3100.9	7.3697
360	0.5796	2898.7	3188.4	7.6660	0.4126	2895.8	3184.7	7.5063
400	0.6173	2963.2	3271.9	7.7938	0.4397	2960.9	3268.7	7.6350
440	0.6548	3028.6	3356.0	7.9152	0.4667	3026.6	3353.3	7.7571
500	0.7109	3128.4	3483.9	8.0873	0.5070	3126.8	3481.7	7.9299
600	0.8041	3299.6	3701.7	8.3522	0.5738	3298.5	3700.2	8.1956
700	0.8969	3477.5	3925.9	8.5952	0.6403	3476.6	3924.8	8.4391
$p = 10.0 \text{ bar} = 1.0 \text{ MPa}$ ( $T_{\text{sat}} = 179.91^\circ\text{C}$ )				$p = 15.0 \text{ bar} = 1.5 \text{ MPa}$ ( $T_{\text{sat}} = 198.32^\circ\text{C}$ )				
Sat.	0.1944	2583.6	2778.1	6.5865	0.1318	2594.5	2792.2	6.4448
200	0.2060	2621.9	2827.9	6.6940	0.1325	2598.1	2796.8	6.4546
240	0.2275	2692.9	2920.4	6.8817	0.1483	2676.9	2899.3	6.6628
280	0.2480	2760.2	3008.2	7.0465	0.1627	2748.6	2992.7	6.8381
320	0.2678	2826.1	3093.9	7.1962	0.1765	2817.1	3081.9	6.9938
360	0.2873	2891.6	3178.9	7.3349	0.1899	2884.4	3169.2	7.1363
400	0.3066	2957.3	3263.9	7.4651	0.2030	2951.3	3255.8	7.2690
440	0.3257	3023.6	3349.3	7.5883	0.2160	3018.5	3342.5	7.3940
500	0.3541	3124.4	3478.5	7.7622	0.2352	3120.3	3473.1	7.5698
540	0.3729	3192.6	3565.6	7.8720	0.2478	3189.1	3560.9	7.6805
600	0.4011	3296.8	3697.9	8.0290	0.2668	3293.9	3694.0	7.8385
640	0.4198	3367.4	3787.2	8.1290	0.2793	3364.8	3783.8	7.9391
$p = 20.0 \text{ bar} = 2.0 \text{ MPa}$ ( $T_{\text{sat}} = 212.42^\circ\text{C}$ )				$p = 30.0 \text{ bar} = 3.0 \text{ MPa}$ ( $T_{\text{sat}} = 233.90^\circ\text{C}$ )				
Sat.	0.0996	2600.3	2799.5	6.3409	0.0667	2604.1	2804.2	6.1869
240	0.1085	2659.6	2876.5	6.4952	0.0682	2619.7	2824.3	6.2265
280	0.1200	2736.4	2976.4	6.6828	0.0771	2709.9	2941.3	6.4462
320	0.1308	2807.9	3069.5	6.8452	0.0850	2788.4	3043.4	6.6245
360	0.1411	2877.0	3159.3	6.9917	0.0923	2861.7	3138.7	6.7801
400	0.1512	2945.2	3247.6	7.1271	0.0994	2932.8	3230.9	6.9212
440	0.1611	3013.4	3335.5	7.2540	0.1062	3002.9	3321.5	7.0520
500	0.1757	3116.2	3467.6	7.4317	0.1162	3108.0	3456.5	7.2338
540	0.1853	3185.6	3556.1	7.5434	0.1227	3178.4	3546.6	7.3474
600	0.1996	3290.9	3690.1	7.7024	0.1324	3285.0	3682.3	7.5085
640	0.2091	3362.2	3780.4	7.8035	0.1388	3357.0	3773.5	7.6106
700	0.2232	3470.9	3917.4	7.9487	0.1484	3466.5	3911.7	7.7571

H<sub>2</sub>O

Table A-4 (Continued)

$T$ °C	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg·K	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg·K
$p = 40 \text{ bar} = 4.0 \text{ MPa}$ ( $T_{\text{sat}} = 250.4^\circ\text{C}$ )				$p = 60 \text{ bar} = 6.0 \text{ MPa}$ ( $T_{\text{sat}} = 275.64^\circ\text{C}$ )				
Sat.	0.04978	2602.3	2801.4	6.0701	0.03244	2589.7	2784.3	5.8892
280	0.05546	2680.0	2901.8	6.2568	0.03317	2605.2	2804.2	5.9252
320	0.06199	2767.4	3015.4	6.4553	0.03876	2720.0	2952.6	6.1846
360	0.06788	2845.7	3117.2	6.6215	0.04331	2811.2	3071.1	6.3782
400	0.07341	2919.9	3213.6	6.7690	0.04739	2892.9	3177.2	6.5408
440	0.07872	2992.2	3307.1	6.9041	0.05122	2970.0	3277.3	6.6853
500	0.08643	3099.5	3445.3	7.0901	0.05665	3082.2	3422.2	6.8803
540	0.09145	3171.1	3536.9	7.2056	0.06015	3156.1	3517.0	6.9999
600	0.09885	3279.1	3674.4	7.3688	0.06525	3266.9	3658.4	7.1677
640	0.1037	3351.8	3766.6	7.4720	0.06859	3341.0	3752.6	7.2731
700	0.1110	3462.1	3905.9	7.6198	0.07352	3453.1	3894.1	7.4234
740	0.1157	3536.6	3999.6	7.7141	0.07677	3528.3	3989.2	7.5190
$p = 80 \text{ bar} = 8.0 \text{ MPa}$ ( $T_{\text{sat}} = 295.06^\circ\text{C}$ )				$p = 100 \text{ bar} = 10.0 \text{ MPa}$ ( $T_{\text{sat}} = 311.06^\circ\text{C}$ )				
Sat.	0.02352	2569.8	2758.0	5.7432	0.01803	2544.4	2724.7	5.6141
320	0.02682	2662.7	2877.2	5.9489	0.01925	2588.8	2781.3	5.7103
360	0.03089	2772.7	3019.8	6.1819	0.02331	2729.1	2962.1	6.0060
400	0.03432	2863.8	3138.3	6.3634	0.02641	2832.4	3096.5	6.2120
440	0.03742	2946.7	3246.1	6.5190	0.02911	2922.1	3213.2	6.3805
480	0.04034	3025.7	3348.4	6.6586	0.03160	3005.4	3321.4	6.5282
520	0.04313	3102.7	3447.7	6.7871	0.03394	3085.6	3425.1	6.6622
560	0.04582	3178.7	3545.3	6.9072	0.03619	3164.1	3526.0	6.7864
600	0.04845	3254.4	3642.0	7.0206	0.03837	3241.7	3625.3	6.9029
640	0.05102	3330.1	3738.3	7.1283	0.04048	3318.9	3723.7	7.0131
700	0.05481	3443.9	3882.4	7.2812	0.04358	3434.7	3870.5	7.1687
740	0.05729	3520.4	3978.7	7.3782	0.04560	3512.1	3968.1	7.2670
$p = 120 \text{ bar} = 12.0 \text{ MPa}$ ( $T_{\text{sat}} = 324.75^\circ\text{C}$ )				$p = 140 \text{ bar} = 14.0 \text{ MPa}$ ( $T_{\text{sat}} = 336.75^\circ\text{C}$ )				
Sat.	0.01426	2513.7	2684.9	5.4924	0.01149	2476.8	2637.6	5.3717
360	0.01811	2678.4	2895.7	5.8361	0.01422	2617.4	2816.5	5.6602
400	0.02108	2798.3	3051.3	6.0747	0.01722	2760.9	3001.9	5.9448
440	0.02355	2896.1	3178.7	6.2586	0.01954	2868.6	3142.2	6.1474
480	0.02576	2984.4	3293.5	6.4154	0.02157	2962.5	3264.5	6.3143
520	0.02781	3068.0	3401.8	6.5555	0.02343	3049.8	3377.8	6.4610
560	0.02977	3149.0	3506.2	6.6840	0.02517	3133.6	3486.0	6.5941
600	0.03164	3228.7	3608.3	6.8037	0.02683	3215.4	3591.1	6.7172
640	0.03345	3307.5	3709.0	6.9164	0.02843	3296.0	3694.1	6.8326
700	0.03610	3425.2	3858.4	7.0749	0.03075	3415.7	3846.2	6.9939
740	0.03781	3503.7	3957.4	7.1746	0.03225	3495.2	3946.7	7.0952

H<sub>2</sub>O

Table A-4 (Continued)

$T$ °C	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg · K	$v$ m <sup>3</sup> /kg	$u$ kJ/kg	$h$ kJ/kg	$s$ kJ/kg · K
$p = 160 \text{ bar} = 16.0 \text{ MPa}$ ( $T_{\text{sat}} = 347.44^\circ\text{C}$ )				$p = 180 \text{ bar} = 18.0 \text{ MPa}$ ( $T_{\text{sat}} = 357.06^\circ\text{C}$ )				
Sat.	0.00931	2431.7	2580.6	5.2455	0.00749	2374.3	2509.1	5.1044
360	0.01105	2539.0	2715.8	5.4614	0.00809	2418.9	2564.5	5.1922
400	0.01426	2719.4	2947.6	5.8175	0.01190	2672.8	2887.0	5.6887
440	0.01652	2839.4	3103.7	6.0429	0.01414	2808.2	3062.8	5.9428
480	0.01842	2939.7	3234.4	6.2215	0.01596	2915.9	3203.2	6.1345
520	0.02013	3031.1	3353.3	6.3752	0.01757	3011.8	3378.0	6.2960
560	0.02172	3117.8	3465.4	6.5132	0.01904	3101.7	3444.4	6.4392
600	0.02323	3201.8	3573.5	6.6399	0.02042	3188.0	3555.6	6.5696
640	0.02467	3284.2	3678.9	6.7580	0.02174	3272.3	3663.6	6.6905
700	0.02674	3406.0	3833.9	6.9224	0.02362	3396.3	3821.5	6.8580
740	0.02808	3486.7	3935.9	7.0251	0.02483	3478.0	3925.0	6.9623
$p = 200 \text{ bar} = 20.0 \text{ MPa}$ ( $T_{\text{sat}} = 365.81^\circ\text{C}$ )				$p = 240 \text{ bar} = 24.0 \text{ MPa}$				
Sat.	0.00583	2293.0	2409.7	4.9269	0.00673	2477.8	2639.4	5.2393
400	0.00994	2619.3	2818.1	5.5540	0.00929	2700.6	2923.4	5.6506
440	0.01222	2774.9	3019.4	5.8450	0.01100	2838.3	3102.3	5.8950
480	0.01399	2891.2	3170.8	6.0518	0.01241	2950.5	3248.5	6.0842
520	0.01551	2992.0	3302.2	6.2218	0.01366	3051.1	3379.0	6.2448
560	0.01689	3085.2	3423.0	6.3705	0.01481	3145.2	3500.7	6.3875
600	0.01818	3174.0	3537.6	6.5048	0.01588	3235.5	3616.7	6.5174
640	0.01940	3260.2	3648.1	6.6286	0.01739	3366.4	3783.8	6.6947
700	0.02113	3386.4	3809.0	6.7993	0.01835	3451.7	3892.1	6.8038
740	0.02224	3469.3	3914.1	6.9052	0.01974	3578.0	4051.6	6.9567
800	0.02385	3592.7	4069.7	7.0544				
$p = 280 \text{ bar} = 28.0 \text{ MPa}$				$p = 320 \text{ bar} = 32.0 \text{ MPa}$				
400	0.00383	2223.5	2330.7	4.7494	0.00236	1980.4	2055.9	4.3239
440	0.00712	2613.2	2812.6	5.4494	0.00544	2509.0	2683.0	5.2327
480	0.00885	2780.8	3028.5	5.7446	0.00722	2718.1	2949.2	5.5968
520	0.01020	2906.8	3192.3	5.9566	0.00853	2860.7	3133.7	5.8357
560	0.01136	3015.7	3333.7	6.1307	0.00963	2979.0	3287.2	6.0246
600	0.01241	3115.6	3463.0	6.2823	0.01061	3085.3	3424.6	6.1858
640	0.01338	3210.3	3584.8	6.4187	0.01150	3184.5	3552.5	6.3290
700	0.01473	3346.1	3758.4	6.6029	0.01273	3325.4	3732.8	6.5203
740	0.01558	3433.9	3870.0	6.7153	0.01350	3415.9	3847.8	6.6361
800	0.01680	3563.1	4033.4	6.8720	0.01460	3548.0	4015.1	6.7966
900	0.01873	3774.3	4298.8	7.1084	0.01633	3762.7	4285.1	7.0372



Table A-4 (Continued)

<i>T</i> °C	<i>v</i> m <sup>3</sup> /kg	<i>u</i> kJ/kg	<i>h</i> kJ/kg	<i>s</i> kJ/kg · K	<i>v</i> m <sup>3</sup> /kg	<i>u</i> kJ/kg	<i>h</i> kJ/kg	<i>s</i> kJ/kg · K
<i>p</i> = 160 bar = 16.0 MPa ( <i>T</i> <sub>sat</sub> = 347.44°C)				<i>p</i> = 180 bar = 18.0 MPa ( <i>T</i> <sub>sat</sub> = 357.06°C)				
Sat.	0.00931	2431.7	2580.6	5.2455	0.00749	2374.3	2509.1	5.1044
360	0.01105	2539.0	2715.8	5.4614	0.00809	2418.9	2564.5	5.1922
400	0.01426	2719.4	2947.6	5.8175	0.01190	2672.8	2887.0	5.6887
440	0.01652	2839.4	3103.7	6.0429	0.01414	2808.2	3062.8	5.9428
480	0.01842	2939.7	3234.4	6.2215	0.01596	2915.9	3203.2	6.1345
520	0.02013	3031.1	3353.3	6.3752	0.01757	3011.8	3378.0	6.2960
560	0.02172	3117.8	3465.4	6.5132	0.01904	3101.7	3444.4	6.4392
600	0.02323	3201.8	3573.5	6.6399	0.02042	3188.0	3555.6	6.5696
640	0.02467	3284.2	3678.9	6.7580	0.02174	3272.3	3663.6	6.6905
700	0.02674	3406.0	3833.9	6.9224	0.02362	3396.3	3821.5	6.8580
740	0.02808	3486.7	3935.9	7.0251	0.02483	3478.0	3925.0	6.9623
<i>p</i> = 200 bar = 20.0 MPa ( <i>T</i> <sub>sat</sub> = 365.81°C)				<i>p</i> = 240 bar = 24.0 MPa				
Sat.	0.00583	2293.0	2409.7	4.9269	0.00673	2477.8	2639.4	5.2393
400	0.00994	2619.3	2818.1	5.5540	0.00929	2700.6	2923.4	5.6506
440	0.01222	2774.9	3019.4	5.8450	0.01100	2838.3	3102.3	5.8950
480	0.01399	2891.2	3170.8	6.0518	0.01241	2950.5	3248.5	6.0842
520	0.01551	2992.0	3302.2	6.2218	0.01366	3051.1	3379.0	6.2448
560	0.01689	3085.2	3423.0	6.3705	0.01481	3145.2	3500.7	6.3875
600	0.01818	3174.0	3537.6	6.5048	0.01588	3235.5	3616.7	6.5174
640	0.01940	3260.2	3648.1	6.6286	0.01739	3366.4	3783.8	6.6947
700	0.02113	3386.4	3809.0	6.7993	0.01835	3451.7	3892.1	6.8038
740	0.02224	3469.3	3914.1	6.9052	0.01974	3578.0	4051.6	6.9567
800	0.02385	3592.7	4069.7	7.0544				
<i>p</i> = 280 bar = 28.0 MPa				<i>p</i> = 320 bar = 32.0 MPa				
400	0.00383	2223.5	2330.7	4.7494	0.00236	1980.4	2055.9	4.3239
440	0.00712	2613.2	2812.6	5.4494	0.00544	2509.0	2683.0	5.2327
480	0.00885	2780.8	3028.5	5.7446	0.00722	2718.1	2949.2	5.5968
520	0.01020	2906.8	3192.3	5.9566	0.00853	2860.7	3133.7	5.8357
560	0.01136	3015.7	3333.7	6.1307	0.00963	2979.0	3287.2	6.0246
600	0.01241	3115.6	3463.0	6.2823	0.01061	3085.3	3424.6	6.1858
640	0.01338	3210.3	3584.8	6.4187	0.01150	3184.5	3552.5	6.3290
700	0.01473	3346.1	3758.4	6.6029	0.01273	3325.4	3732.8	6.5203
740	0.01558	3433.9	3870.0	6.7153	0.01350	3415.9	3847.8	6.6361
800	0.01680	3563.1	4033.4	6.8720	0.01460	3548.0	4015.1	6.7966
900	0.01873	3774.3	4298.8	7.1084	0.01633	3762.7	4285.1	7.0372

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Table A-5 Properties of Compressed Liquid Water

<i>T</i> °C	<i>v</i> × 10 <sup>3</sup> m <sup>3</sup> /kg	<i>u</i> kJ/kg	<i>h</i> kJ/kg	<i>s</i> kJ/kg · K	<i>v</i> × 10 <sup>3</sup> m <sup>3</sup> /kg	<i>u</i> kJ/kg	<i>h</i> kJ/kg	<i>s</i> kJ/kg · K
<i>p</i> = 25 bar = 2.5 MPa ( <i>T</i> <sub>sat</sub> = 223.99°C)				<i>p</i> = 50 bar = 5.0 MPa ( <i>T</i> <sub>sat</sub> = 263.99°C)				
20	1.0006	83.80	86.30	.2961	.9995	83.65	88.65	.2956
40	1.0067	167.25	169.77	.5715	1.0056	166.95	171.97	.5705
80	1.0280	334.29	336.86	1.0737	1.0268	333.72	338.85	1.0720
100	1.0423	418.24	420.85	1.3050	1.0410	417.52	422.72	1.3030
140	1.0784	587.82	590.52	1.7369	1.0768	586.76	592.15	1.7343
180	1.1261	761.16	763.97	2.1375	1.1240	759.63	765.25	2.1341
200	1.1555	849.9	852.8	2.3294	1.1530	848.1	853.9	2.3255
220	1.1898	940.7	943.7	2.5174	1.1866	938.4	944.4	2.5128
Sat.	1.1973	959.1	962.1	2.5546	1.2859	1147.8	1154.2	2.9202
<i>p</i> = 75 bar = 7.5 MPa ( <i>T</i> <sub>sat</sub> = 290.59°C)				<i>p</i> = 100 bar = 10.0 MPa ( <i>T</i> <sub>sat</sub> = 311.06°C)				
20	.9984	83.50	90.99	.2950	.9972	83.36	93.33	.2945
40	1.0045	166.64	174.18	.5696	1.0034	166.35	176.38	.5686
80	1.0256	333.15	340.84	1.0704	1.0245	332.59	342.83	1.0688
100	1.0397	416.81	424.62	1.3011	1.0385	416.12	426.50	1.2992
140	1.0752	585.72	593.78	1.7317	1.0737	584.68	595.42	1.7292
180	1.1219	758.13	766.55	2.1308	1.1199	756.65	767.84	2.1275
220	1.1835	936.2	945.1	2.5083	1.1805	934.1	945.9	2.5039
260	1.2696	1124.4	1134.0	2.8763	1.2645	1121.1	1133.7	2.8699
Sat.	1.3677	1282.0	1292.2	3.1649	1.4524	1393.0	1407.6	3.3596
<i>p</i> = 150 bar = 15.0 MPa ( <i>T</i> <sub>sat</sub> = 342.24°C)				<i>p</i> = 200 bar = 20.0 MPa ( <i>T</i> <sub>sat</sub> = 365.81°C)				
20	.9950	83.06	97.99	.2934	.9928	82.77	102.62	.2923
40	1.0013	165.76	180.78	.5666	.9992	165.17	185.16	.5646
80	1.0222	331.48	346.81	1.0656	1.0199	330.40	350.80	1.0624
100	1.0361	414.74	430.28	1.2955	1.0337	413.39	434.06	1.2917
140	1.0707	582.66	598.72	1.7242	1.0678	580.69	602.04	1.7193
180	1.1159	753.76	770.50	2.1210	1.1120	750.95	773.20	2.1147
220	1.1748	929.9	947.5	2.4953	1.1693	925.9	949.3	2.4870
260	1.2550	1114.6	1133.4	2.8576	1.2462	1108.6	1133.5	2.8459
300	1.3770	1316.6	1337.3	3.2260	1.3596	1306.1	1333.3	3.2071
Sat.	1.6581	1585.6	1610.5	3.6848	2.036	1785.6	1826.3	4.0139
<i>p</i> = 250 bar = 25 MPa				<i>p</i> = 300 bar = 30.0 MPa				
20	.9907	82.47	107.24	.2911	.9886	82.17	111.84	.2899
40	.9971	164.60	189.52	.5626	.9951	164.04	193.89	.5607
100	1.0313	412.08	437.85	1.2881	1.0290	410.78	441.66	1.2844
200	1.1344	834.5	862.8	2.2961	1.1302	831.4	865.3	2.2893
300	1.3442	1296.6	1330.2	3.1900	1.3304	1287.9	1327.8	3.1741

Pressure Conversions:  
1 bar = 0.1 MPa  
= 10<sup>2</sup> kPa

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