

Table 2... Thermodynamic Properties of WATER at Saturation* (Continued)

Fahr. Temp. (°F)	Absolute Pressure p		Specific Volume, cu ft per lb			Enthalpy, Btu per lb			Entropy, Btu per (lb) (°F)			Fahr. Temp. (°F)
	Lb/Sq In.	In. Hg	Sat. Liquid v _f	Evap. v _{fg}	Sat. Vapor v _g	Sat. Liquid h _f	Evap. h _{fg}	Sat. Vapor h _g	Sat. Liquid s _f	Evap. s _{fg}	Sat. Vapor s _g	
144	3.2006	6.6164	0.01631	111.70	111.73	111.96	1011.35	1123.31	0.20514	1.6733	1.8784	144
145	3.2553	6.6823	0.01632	102.09	102.11	112.98	1010.77	1123.73	0.20514	1.6733	1.8784	145
146	3.3093	6.7483	0.01633	92.48	92.50	114.00	1010.19	1124.14	0.20514	1.6733	1.8784	146
147	3.3727	7.0277	0.01633	104.08	104.10	114.96	1009.59	1124.51	0.20514	1.6733	1.8784	147
148	3.4360	7.3066	0.01633	101.65	101.67	115.96	1009.01	1124.87	0.20514	1.6733	1.8784	148
149	3.5003	7.5855	0.01634	99.226	99.248	116.96	1008.43	1125.25	0.20514	1.6733	1.8784	149
150	3.5654	7.8644	0.01634	97.023	97.045	117.96	1007.85	1125.63	0.20514	1.6733	1.8784	150
151	3.6314	8.1433	0.01635	94.799	94.821	118.96	1007.27	1126.00	0.20514	1.6733	1.8784	151
152	3.6974	8.4222	0.01635	92.555	92.577	119.96	1006.69	1126.38	0.20514	1.6733	1.8784	152
153	3.7634	8.7011	0.01636	90.311	90.333	120.96	1006.11	1126.75	0.20514	1.6733	1.8784	153
154	3.8294	8.9800	0.01636	88.067	88.089	121.96	1005.53	1127.13	0.20514	1.6733	1.8784	154
155	3.8954	9.2589	0.01637	85.823	85.845	122.96	1004.95	1127.50	0.20514	1.6733	1.8784	155
156	3.9614	9.5378	0.01637	83.579	83.601	123.96	1004.37	1127.88	0.20514	1.6733	1.8784	156
157	4.0274	9.8167	0.01638	81.335	81.357	124.96	1003.79	1128.25	0.20514	1.6733	1.8784	157
158	4.0934	10.0956	0.01638	79.091	79.113	125.96	1003.21	1128.63	0.20514	1.6733	1.8784	158
159	4.1594	10.3745	0.01639	76.847	76.869	126.96	1002.63	1129.00	0.20514	1.6733	1.8784	159
160	4.2254	10.6534	0.01639	74.603	74.625	127.96	1002.05	1129.38	0.20514	1.6733	1.8784	160
161	4.2914	10.9323	0.01640	72.359	72.381	128.96	1001.47	1129.75	0.20514	1.6733	1.8784	161
162	4.3574	11.2112	0.01640	70.115	70.137	129.96	1000.89	1130.13	0.20514	1.6733	1.8784	162
163	4.4234	11.4901	0.01641	67.871	67.893	130.96	1000.31	1130.50	0.20514	1.6733	1.8784	163
164	4.4894	11.7690	0.01641	65.627	65.649	131.96	999.73	1130.88	0.20514	1.6733	1.8784	164
165	4.5554	12.0479	0.01642	63.383	63.405	132.96	999.15	1131.25	0.20514	1.6733	1.8784	165
166	4.6214	12.3268	0.01642	61.139	61.161	133.96	998.57	1131.63	0.20514	1.6733	1.8784	166
167	4.6874	12.6057	0.01643	58.895	58.917	134.96	997.99	1132.00	0.20514	1.6733	1.8784	167
168	4.7534	12.8846	0.01643	56.651	56.673	135.96	997.41	1132.38	0.20514	1.6733	1.8784	168
169	4.8194	13.1635	0.01644	54.407	54.429	136.96	996.83	1132.75	0.20514	1.6733	1.8784	169
170	4.8854	13.4424	0.01644	52.163	52.185	137.96	996.25	1133.13	0.20514	1.6733	1.8784	170
171	4.9514	13.7213	0.01645	49.919	49.941	138.96	995.67	1133.50	0.20514	1.6733	1.8784	171
172	5.0174	14.0002	0.01645	47.675	47.697	139.96	995.09	1133.88	0.20514	1.6733	1.8784	172
173	5.0834	14.2791	0.01646	45.431	45.453	140.96	994.51	1134.25	0.20514	1.6733	1.8784	173
174	5.1494	14.5580	0.01646	43.187	43.209	141.96	993.93	1134.63	0.20514	1.6733	1.8784	174
175	5.2154	14.8369	0.01647	40.943	40.965	142.96	993.35	1135.00	0.20514	1.6733	1.8784	175
176	5.2814	15.1158	0.01647	38.699	38.721	143.96	992.77	1135.38	0.20514	1.6733	1.8784	176
177	5.3474	15.3947	0.01648	36.455	36.477	144.96	992.19	1135.75	0.20514	1.6733	1.8784	177

* Compiled by John A. Goff and S. Gratch.

Table 3... Properties of SATURATED STEAM, Temperature-Table*

Temp. F	Abs. Press. Lb/Sq In. p	Specific Volume		Enthalpy		Entropy		Temp. F
		Sat. Liquid v _f	Sat. Vapor v _g	Sat. Liquid h _f	Evap. h _{fg}	Sat. Liquid s _f	Evap. s _{fg}	
212	14.696	0.01672	26.80	180.07	970.3	0.3120	1.4448	212
214	15.259	0.01673	25.83	182.08	969.0	0.3149	1.4385	214
216	15.801	0.01674	24.90	184.10	967.8	0.3179	1.4323	216
218	16.333	0.01676	24.01	186.11	966.5	0.3209	1.4262	218
220	16.856	0.01677	23.15	188.13	965.2	0.3239	1.4201	220
222	17.361	0.01679	22.33	190.15	963.9	0.3268	1.4141	222
224	17.857	0.01680	21.55	192.17	962.6	0.3298	1.4080	224
226	18.345	0.01682	20.79	194.18	961.3	0.3328	1.4020	226
228	18.825	0.01683	20.07	196.20	960.1	0.3357	1.3961	228
230	19.297	0.01684	19.382	198.23	958.8	0.3387	1.3901	230
232	19.761	0.01686	18.720	200.25	957.4	0.3416	1.3842	232
234	20.217	0.01688	18.084	202.27	956.1	0.3444	1.3784	234
236	20.665	0.01689	17.473	204.29	954.8	0.3473	1.3725	236
238	21.106	0.01691	16.886	206.32	953.5	0.3502	1.3667	238
240	21.540	0.01692	16.323	208.34	952.2	0.3531	1.3609	240
242	21.967	0.01694	15.782	210.37	950.9	0.3560	1.3551	242
244	22.387	0.01696	15.262	212.39	949.5	0.3589	1.3494	244
246	22.799	0.01697	14.762	214.42	948.2	0.3618	1.3436	246
248	23.203	0.01699	14.282	216.45	946.8	0.3647	1.3378	248
250	23.600	0.01700	13.821	218.48	945.5	0.3675	1.3320	250
252	30.884	0.01702	13.377	220.51	944.2	0.3704	1.3262	252
254	31.973	0.01704	12.950	222.54	942.8	0.3732	1.3204	254
256	33.062	0.01706	12.539	224.56	941.4	0.3761	1.3146	256
258	34.151	0.01707	12.144	226.61	940.1	0.3789	1.3088	258
260	35.240	0.01709	11.763	228.64	938.7	0.3817	1.3030	260
262	36.346	0.01710	11.396	230.68	937.3	0.3845	1.2972	262
264	37.467	0.01712	11.043	232.72	935.8	0.3873	1.2914	264
266	38.602	0.01714	10.704	234.76	934.5	0.3902	1.2856	266
268	39.750	0.01715	10.376	236.80	933.2	0.3930	1.2798	268
270	41.858	0.01717	10.061	238.84	931.8	0.3958	1.2740	270
272	43.252	0.01719	9.756	240.88	930.3	0.3986	1.2715	272
274	44.682	0.01721	9.463	242.92	929.0	0.4014	1.2690	274
276	46.150	0.01722	9.181	244.96	927.6	0.4041	1.2665	276
278	47.657	0.01724	8.908	247.01	926.1	0.4069	1.2640	278
280	49.203	0.01726	8.645	249.06	924.7	0.4096	1.2615	280
282	50.790	0.01728	8.391	251.10	923.3	0.4124	1.2590	282
284	52.418	0.01730	8.146	253.15	921.8	0.4152	1.2565	284
286	54.088	0.01732	7.910	255.20	920.4	0.4179	1.2540	286
288	55.800	0.01733	7.682	257.26	918.9	0.4207	1.2515	288
290	57.556	0.01735	7.461	259.31	917.5	0.4234	1.2490	290
292	59.356	0.01737	7.248	261.36	916.0	0.4261	1.2465	292
294	61.201	0.01739	7.043	263.42	914.6	0.4288	1.2440	294
296	63.091	0.01741	6.844	265.48	913.1	0.4315	1.2415	296
298	65.028	0.01743	6.652	267.53	911.6	0.4343	1.2390	298
300	67.013	0.01745	6.466	269.59	910.1	0.4370	1.2365	300
310	77.68	0.01755	5.626	279.92	902.6	0.4504	1.2221	310
320	89.66	0.01765	4.914	290.28	894.9	0.4637	1.2178	320
330	103.06	0.01776	4.307	300.68	887.0	0.4769	1.2133	330
340	118.01	0.01787	3.788	311.13	879.0	0.4900	1.2092	340
350	134.63	0.01799	3.342	321.63	870.7	0.5029	1.2054	350
360	153.04	0.01811	2.957	332.18	862.2	0.5158	1.2019	360
370	173.37	0.01823	2.625	342.79	853.5	0.5286	1.2057	370
380	195.77	0.01836	2.335	353.45	844.6	0.5413	1.2099	380
390	220.27	0.01850	2.088	364.17	835.4	0.5539	1.2147	390
400	247.31	0.01864	1.863	374.97	826.0	0.5664	1.2199	400
410	276.75	0.01878	1.670	385.83	816.3	0.5788	1.2254	410
420	308.83	0.01894	1.500	396.77	806.3	0.5912	1.2310	420
430	343.72	0.01910	1.349	407.79	796.0	0.6035	1.2367	430
440	381.59	0.01926	1.211	418.90	785.4	0.6158	1.2424	440
450	422.6	0.0194	1.093	430.1	774.5	0.6280	1.2483	450
460	466.9	0.0196	0.994	441.4	763.2	0.6402	1.2540	460
470	514.7	0.0198	0.909	452.8	751.5	0.6523	1.2597	470
480	566.1	0.0200	0.817	464.4	739.4	0.6643	1.2654	480
490	621.4	0.0202	0.742	476.0	726.8	0.6763	1.2711	490
500	680.8	0.0204	0.674	487.8	713.9	0.6887	1.2768	500

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