



Saturation Properties of Water/Steam – Pressure Table – U.S. Customary System.

Steam/Water – Pressure Table – US Units (psia, °F)

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Pressure (psia)	Temp. (°F)	Volume (ft ³ /lbm)		Internal Energy (Btu/lbm)		Enthalpy (Btu/lbm)			Entropy (Btu/(lbm°R))		Pressure (psia)
		Liquid	Vapor	Liquid	Vapor	Liquid	<i>fg</i>	Vapor	Liquid	Vapor	
0.088833	32.051	0.02	3295.4	0.033767	1021.7	0.034031	1075.9	1075.9	6.9x10 ⁻⁵	2.1881	0.088833
0.1	35.01	0.01602	2945	3.011	1022.7	3.011	1074.2	1077.2	0.0061	2.1777	0.1
0.2	53.13	0.01603	1526	21.22	1028.6	21.22	1064.0	1085.2	0.0423	2.1170	0.2
0.3	64.45	0.01604	1039	32.55	1032.3	32.55	1057.5	1090.1	0.0641	2.0818	0.3
0.4	72.83	0.01606	791.8	40.93	1035.1	40.93	1052.8	1093.7	0.0800	2.0570	0.4
0.5	79.55	0.01607	641.3	47.64	1037.3	47.64	1049.0	1096.6	0.0925	2.0379	0.5
0.6	85.18	0.01609	539.9	53.27	1039.1	53.27	1045.8	1099.1	0.1029	2.0223	0.6
0.7	90.04	0.01610	466.8	58.13	1040.7	58.13	1043.1	1101.2	0.1118	2.0092	0.7
0.8	94.34	0.01611	411.6	62.42	1042.0	62.42	1040.6	1103.0	0.1195	1.9978	0.8
0.9	98.19	0.01613	368.3	66.27	1043.3	66.27	1038.4	1104.7	0.1265	1.9878	0.9
1	101.69	0.01614	333.5	69.77	1044.4	69.77	1036.4	1106.2	0.1327	1.9789	1
1.1	104.90	0.01615	304.9	72.97	1045.4	72.97	1034.5	1107.5	0.1384	1.9709	1.1
1.2	107.87	0.01616	280.9	75.93	1046.4	75.94	1032.9	1108.8	0.1436	1.9635	1.2
1.3	110.63	0.01617	260.5	78.69	1047.3	78.70	1031.3	1110.0	0.1485	1.9568	1.3
1.4	113.21	0.01618	242.9	81.27	1048.1	81.28	1029.8	1111.1	0.1530	1.9506	1.4
1.5	115.64	0.01619	227.7	83.70	1048.9	83.70	1028.4	1112.1	0.1572	1.9448	1.5
1.6	117.93	0.01620	214.3	85.99	1049.6	86.00	1027.1	1113.1	0.1612	1.9394	1.6
1.7	120.11	0.01621	202.4	88.16	1050.3	88.17	1025.8	1114.0	0.1650	1.9343	1.7
1.8	122.17	0.01621	191.8	90.23	1050.9	90.23	1024.7	1114.9	0.1685	1.9295	1.8
1.9	124.14	0.01622	182.3	92.20	1051.6	92.20	1023.5	1115.7	0.1719	1.9250	1.9
2.0	126.03	0.01623	173.7	94.08	1052.2	94.09	1022.4	1116.5	0.1751	1.9207	2.0
2.5	134.38	0.01627	140.9	102.4	1054.8	102.4	1017.6	1120.0	0.1893	1.9022	2.5
3.0	141.42	0.01630	118.7	109.5	1057.0	109.5	1013.4	1122.9	0.2010	1.8871	3.0
3.5	147.51	0.01633	102.7	115.6	1058.9	115.6	1009.9	1125.5	0.2111	1.8744	3.5
4.0	152.91	0.01636	90.63	121.0	1060.6	121.0	1006.7	1127.7	0.2200	1.8634	4.0
4.5	157.77	0.01638	81.15	125.8	1062.1	125.9	1003.9	1129.7	0.2279	1.8537	4.5
5.0	162.18	0.01641	73.52	130.3	1063.4	130.3	1001.2	1131.5	0.2350	1.8451	5.0
5.5	166.24	0.01643	67.24	134.3	1064.6	134.3	998.8	1133.1	0.2416	1.8373	5.5
6.0	170.00	0.01645	61.98	138.1	1065.8	138.1	996.5	1134.6	0.2476	1.8302	6.0
6.5	173.51	0.01647	57.50	141.6	1066.8	141.6	994.5	1136.1	0.2531	1.8237	6.5
7.0	176.79	0.01649	53.65	144.9	1067.8	144.9	992.5	1137.4	0.2583	1.8176	7.0
7.5	179.88	0.01651	50.29	148.0	1068.8	148.0	990.6	1138.6	0.2632	1.8120	7.5
8.0	182.81	0.01652	47.34	150.9	1069.6	151.0	988.8	1139.8	0.2678	1.8068	8.0
8.5	185.58	0.01654	44.73	153.7	1070.5	153.8	987.2	1140.9	0.2721	1.8019	8.5
9.0	188.22	0.01656	42.40	156.4	1071.2	156.4	985.5	1141.9	0.2762	1.7973	9.0
9.5	190.75	0.01657	40.31	158.9	1072.0	158.9	984.0	1142.9	0.2801	1.7929	9.5
10.0	193.16	0.01659	38.42	161.3	1072.7	161.4	982.4	1143.8	0.2838	1.7887	10.0
10.5	195.48	0.01660	36.71	163.7	1073.4	163.7	981.0	1144.7	0.2874	1.7848	10.5
11.0	197.70	0.01662	35.14	165.9	1074.0	165.9	979.7	1145.6	0.2908	1.7811	11.0
11.5	199.84	0.01663	33.71	168.1	1074.6	168.1	978.3	1146.4	0.2941	1.7775	11.5
12.0	201.91	0.01665	32.40	170.1	1075.2	170.2	977.0	1147.2	0.2972	1.7740	12.0
12.5	203.90	0.01666	31.18	172.1	1075.8	172.2	975.8	1148.0	0.3002	1.7708	12.5
13.0	205.83	0.01667	30.06	174.1	1076.4	174.1	974.6	1148.7	0.3032	1.7676	13.0
13.5	207.70	0.01669	29.02	176.0	1076.9	176.0	973.4	1149.4	0.3060	1.7646	13.5
14.0	209.52	0.01670	28.05	177.8	1077.4	177.8	972.3	1150.1	0.3087	1.7616	14.0
14.696	211.95	0.01671	26.802	180.24	1078.1	180.28	970.72	1151.0	0.3124	1.7578	14.7
15	212.99	0.01672	26.29	181.3	1078.4	181.3	970.1	1151.4	0.3139	1.7561	15
16	216.27	0.01675	24.75	184.6	1079.3	184.6	968.1	1152.7	0.3188	1.7509	16
17	219.39	0.01677	23.39	187.7	1080.2	187.8	966.0	1153.8	0.3235	1.7461	17



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		Liquid	Vapor	Liquid	Vapor	Liquid	<i>fg</i>	Vapor	Liquid	Vapor	
18	222.36	0.01679	22.17	190.7	1081.0	190.8	964.1	1154.9	0.3279	1.7415	18
19	225.20	0.01681	21.08	193.6	1081.8	193.7	962.4	1156.0	0.3321	1.7372	19
20	227.92	0.01683	20.09	196.3	1082.6	196.4	960.6	1157.0	0.3361	1.7331	20
21	230.53	0.01685	19.19	199.0	1083.3	199.0	958.9	1157.9	0.3399	1.7292	21
22	233.03	0.01687	18.38	201.5	1084.0	201.6	957.2	1158.8	0.3435	1.7254	22
23	235.45	0.01689	17.63	204.0	1084.6	204.0	955.7	1159.7	0.3471	1.7219	23
24	237.78	0.01690	16.94	206.3	1085.2	206.4	954.1	1160.5	0.3505	1.7185	24
25	240.03	0.01692	16.31	208.6	1085.8	208.7	952.6	1161.3	0.3537	1.7152	25
26	242.21	0.01694	15.72	210.8	1086.4	210.9	951.2	1162.1	0.3569	1.7121	26
27	244.32	0.01696	15.17	212.9	1087.0	213.0	949.8	1162.8	0.3599	1.7091	27
28	246.37	0.01697	14.67	215.0	1087.5	215.1	948.5	1163.6	0.3629	1.7062	28
29	248.36	0.01699	14.19	217.0	1088.0	217.1	947.1	1164.2	0.3657	1.7034	29
30	250.30	0.01700	13.75	219.0	1088.5	219.1	945.8	1164.9	0.3685	1.7007	30
31	252.18	0.01702	13.33	220.9	1089.0	221.0	944.6	1165.6	0.3712	1.6981	31
32	254.02	0.01703	12.94	222.8	1089.5	222.9	943.3	1166.2	0.3738	1.6955	32
33	255.80	0.01705	12.57	224.6	1090.0	224.7	942.1	1166.8	0.3763	1.6931	33
34	257.55	0.01706	12.23	226.3	1090.4	226.5	941.0	1167.4	0.3788	1.6907	34
35	259.25	0.01708	11.90	228.1	1090.8	228.2	939.8	1168.0	0.3812	1.6884	35
36	260.91	0.01709	11.59	229.8	1091.3	229.9	938.6	1168.5	0.3835	1.6861	36
37	262.54	0.01711	11.30	231.4	1091.7	231.5	937.6	1169.1	0.3858	1.6840	37
38	264.13	0.01712	11.02	233.0	1092.1	233.2	936.4	1169.6	0.3881	1.6818	38
39	265.69	0.01713	10.75	234.6	1092.5	234.8	935.4	1170.1	0.3903	1.6798	39
40	267.22	0.01715	10.50	236.2	1092.8	236.3	934.3	1170.6	0.3924	1.6777	40
41	268.71	0.01716	10.26	237.7	1093.2	237.8	933.3	1171.1	0.3945	1.6758	41
42	270.18	0.01717	10.03	239.2	1093.6	239.3	932.3	1171.6	0.3965	1.6739	42
43	271.62	0.01718	9.812	240.7	1093.9	240.8	931.2	1172.0	0.3985	1.6720	43
44	273.03	0.01720	9.602	242.1	1094.3	242.2	930.3	1172.5	0.4005	1.6701	44
45	274.41	0.01721	9.402	243.5	1094.6	243.7	929.3	1172.9	0.4024	1.6684	45
46	275.77	0.01722	9.210	244.9	1094.9	245.0	928.4	1173.4	0.4043	1.6666	46
47	277.11	0.01723	9.026	246.3	1095.2	246.4	927.4	1173.8	0.4062	1.6649	47
48	278.42	0.01725	8.850	247.6	1095.6	247.8	926.5	1174.2	0.4080	1.6632	48
49	279.72	0.01726	8.680	248.9	1095.9	249.1	925.5	1174.6	0.4098	1.6616	49
50	280.99	0.01727	8.517	250.2	1096.2	250.4	924.6	1175.0	0.4115	1.6599	50
51	282.24	0.01728	8.360	251.5	1096.5	251.7	923.7	1175.4	0.4133	1.6584	51
52	283.47	0.01729	8.209	252.8	1096.7	252.9	922.9	1175.8	0.4150	1.6568	52
53	284.68	0.01730	8.063	254.0	1097.0	254.2	922.0	1176.2	0.4166	1.6553	53
54	285.87	0.01731	7.923	255.2	1097.3	255.4	921.1	1176.5	0.4183	1.6538	54
55	287.05	0.01732	7.788	256.4	1097.6	256.6	920.3	1176.9	0.4199	1.6523	55
56	288.21	0.01734	7.657	257.6	1097.8	257.8	919.4	1177.2	0.4215	1.6509	56
57	289.35	0.01735	7.531	258.8	1098.1	259.0	918.7	1177.6	0.4230	1.6495	57
58	290.48	0.01736	7.409	259.9	1098.4	260.1	917.8	1177.9	0.4246	1.6481	58
59	291.59	0.01737	7.290	261.1	1098.6	261.3	917.1	1178.3	0.4261	1.6467	59
60	292.68	0.01738	7.176	262.2	1098.9	262.4	916.2	1178.6	0.4276	1.6454	60
61	293.77	0.01739	7.065	263.3	1099.1	263.5	915.4	1178.9	0.4290	1.6440	61
62	294.83	0.01740	6.958	264.4	1099.4	264.6	914.6	1179.2	0.4305	1.6427	62
63	295.89	0.01741	6.854	265.5	1099.6	265.7	913.8	1179.5	0.4319	1.6415	63
64	296.93	0.01742	6.753	266.5	1099.8	266.7	913.2	1179.9	0.4333	1.6402	64
65	297.95	0.01743	6.656	267.6	1100.0	267.8	912.4	1180.2	0.4347	1.6390	65
66	298.97	0.01744	6.561	268.6	1100.3	268.9	911.7	1180.5	0.4361	1.6377	66
67	299.97	0.01745	6.469	269.7	1100.5	269.9	910.8	1180.7	0.4375	1.6365	67



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		Liquid	Vapor	Liquid	Vapor	Liquid	<i>fg</i>	Vapor	Liquid	Vapor	
68	300.96	0.01746	6.379	270.7	1100.7	270.9	910.1	1181.0	0.4388	1.6353	68
69	301.94	0.01747	6.292	271.7	1100.9	271.9	909.4	1181.3	0.4401	1.6342	69
70	302.91	0.01748	6.207	272.7	1101.1	272.9	908.7	1181.6	0.4414	1.6330	70
71	303.86	0.01749	6.125	273.7	1101.3	273.9	908.0	1181.9	0.4427	1.6319	71
72	304.81	0.01750	6.045	274.6	1101.5	274.9	907.2	1182.1	0.4440	1.6308	72
73	305.74	0.01751	5.967	275.6	1101.7	275.8	906.6	1182.4	0.4453	1.6296	73
74	306.67	0.01752	5.891	276.6	1101.9	276.8	905.9	1182.7	0.4465	1.6286	74
75	307.58	0.01752	5.817	277.5	1102.1	277.7	905.2	1182.9	0.4477	1.6275	75
76	308.49	0.01753	5.744	278.4	1102.3	278.7	904.5	1183.2	0.4489	1.6264	76
77	309.39	0.01754	5.674	279.4	1102.5	279.6	903.8	1183.4	0.4501	1.6254	77
78	310.27	0.01755	5.605	280.3	1102.7	280.5	903.2	1183.7	0.4513	1.6243	78
79	311.15	0.01756	5.538	281.2	1102.9	281.4	902.5	1183.9	0.4525	1.6233	79
80	312.02	0.01757	5.473	282.1	1103.1	282.3	901.8	1184.1	0.4537	1.6223	80
81	312.88	0.01758	5.409	283.0	1103.2	283.2	901.2	1184.4	0.4548	1.6213	81
82	313.73	0.01759	5.347	283.8	1103.4	284.1	900.5	1184.6	0.4559	1.6203	82
83	314.57	0.01760	5.286	284.7	1103.6	285.0	899.8	1184.8	0.4571	1.6193	83
84	315.41	0.01760	5.227	285.6	1103.8	285.8	899.3	1185.1	0.4582	1.6184	84
85	316.24	0.01761	5.169	286.4	1103.9	286.7	898.6	1185.3	0.4593	1.6174	85
86	317.06	0.01762	5.112	287.3	1104.1	287.5	898.0	1185.5	0.4604	1.6165	86
87	317.87	0.01763	5.056	288.1	1104.3	288.4	897.3	1185.7	0.4615	1.6155	87
88	318.67	0.01764	5.002	288.9	1104.4	289.2	896.7	1185.9	0.4625	1.6146	88
89	319.47	0.01765	4.949	289.8	1104.6	290.1	896.1	1186.1	0.4636	1.6137	89
90	320.26	0.01766	4.897	290.6	1104.7	290.9	895.5	1186.4	0.4646	1.6128	90
91	321.05	0.01766	4.846	291.4	1104.9	291.7	894.9	1186.6	0.4657	1.6119	91
92	321.82	0.01767	4.796	292.2	1105.0	292.5	894.3	1186.8	0.4667	1.6110	92
93	322.59	0.01768	4.748	293.0	1105.2	293.3	893.7	1187.0	0.4677	1.6101	93
94	323.36	0.01769	4.700	293.8	1105.4	294.1	893.1	1187.2	0.4687	1.6093	94
95	324.11	0.01770	4.653	294.6	1105.5	294.9	892.5	1187.4	0.4697	1.6084	95
96	324.86	0.01770	4.607	295.3	1105.6	295.7	891.9	1187.5	0.4707	1.6076	96
97	325.61	0.01771	4.562	296.1	1105.8	296.4	891.3	1187.7	0.4717	1.6067	97
98	326.35	0.01772	4.518	296.9	1105.9	297.2	890.7	1187.9	0.4727	1.6059	98
99	327.08	0.01773	4.475	297.6	1106.1	298.0	890.1	1188.1	0.4736	1.6051	99
100	327.81	0.01774	4.433	298.4	1106.2	298.7	889.6	1188.3	0.4746	1.6043	100
105	331.35	0.01778	4.232	302.1	1106.9	302.4	886.8	1189.2	0.4793	1.6003	105
110	334.77	0.01781	4.050	305.6	1107.5	306.0	884.0	1190.0	0.4838	1.5965	110
115	338.07	0.01785	3.883	309.1	1108.1	309.4	881.4	1190.8	0.4881	1.5929	115
120	341.25	0.01789	3.729	312.4	1108.7	312.8	878.7	1191.5	0.4922	1.5894	120
125	344.33	0.01792	3.587	315.6	1109.2	316.0	876.3	1192.3	0.4962	1.5861	125
130	347.32	0.01796	3.456	318.7	1109.7	319.1	873.8	1192.9	0.5001	1.5829	130
135	350.21	0.01799	3.334	321.7	1110.2	322.2	871.4	1193.6	0.5038	1.5798	135
140	353.03	0.01802	3.220	324.7	1110.7	325.1	869.1	1194.2	0.5075	1.5768	140
145	355.76	0.01806	3.114	327.5	1111.1	328.0	866.7	1194.7	0.5110	1.5739	145
150	358.42	0.01809	3.015	330.3	1111.5	330.8	864.5	1195.3	0.5144	1.5711	150
155	361.01	0.01812	2.922	333.1	1111.9	333.6	862.2	1195.8	0.5177	1.5684	155
160	363.54	0.01815	2.835	335.7	1112.3	336.3	860.1	1196.3	0.5210	1.5657	160
165	366.01	0.01818	2.752	338.3	1112.7	338.9	857.9	1196.8	0.5241	1.5632	165
170	368.41	0.01821	2.675	340.9	1113.0	341.4	855.8	1197.2	0.5272	1.5607	170
175	370.77	0.01824	2.602	343.3	1113.4	343.9	853.8	1197.7	0.5302	1.5583	175
180	373.07	0.01827	2.532	345.8	1113.7	346.4	851.7	1198.1	0.5331	1.5559	180
185	375.32	0.01830	2.466	348.2	1114.0	348.8	849.7	1198.5	0.5360	1.5536	185



Saturation Properties of Water/Steam – Pressure Table – U.S. Customary System.

Steam/Water – Pressure Table – US Units (psia, °F)

Steam/Water – Pressure Table – US Units (psia, °F)

Pressure (psia)	Temp. (°F)	Volume (ft ³ /lbm)		Internal Energy (Btu/lbm)		Enthalpy (Btu/lbm)			Entropy (Btu/(lbm°R))		Pressure (psia)
		Liquid	Vapor	Liquid	Vapor	Liquid	<i>fg</i>	Vapor	Liquid	Vapor	
190	377.52	0.01833	2.404	350.5	1114.3	351.1	847.8	1198.9	0.5388	1.5514	190
195	379.68	0.01836	2.345	352.8	1114.6	353.4	845.8	1199.2	0.5415	1.5492	195
200	381.80	0.01839	2.288	355.0	1114.8	355.7	843.9	1199.6	0.5442	1.5470	200
210	385.91	0.01844	2.183	359.4	1115.4	360.1	840.1	1200.2	0.5494	1.5429	210
220	389.87	0.01850	2.087	363.6	1115.8	364.4	836.4	1200.8	0.5543	1.5390	220
230	393.70	0.01855	1.999	367.7	1116.2	368.5	832.9	1201.4	0.5591	1.5352	230
240	397.39	0.01860	1.919	371.7	1116.6	372.5	829.4	1201.9	0.5638	1.5315	240
250	400.97	0.01865	1.844	375.5	1117.0	376.4	826.1	1202.4	0.5682	1.5280	250
260	404.44	0.01870	1.775	379.2	1117.3	380.1	822.7	1202.8	0.5726	1.5246	260
270	407.80	0.01875	1.711	382.8	1117.6	383.8	819.4	1203.2	0.5768	1.5213	270
280	411.07	0.01880	1.651	386.4	1117.9	387.3	816.2	1203.5	0.5808	1.5182	280
290	414.26	0.01885	1.596	389.8	1118.2	390.8	813.1	1203.9	0.5848	1.5151	290
300	417.35	0.01890	1.544	393.2	1118.4	394.2	809.9	1204.1	0.5886	1.5121	300
310	420.37	0.01894	1.495	396.4	1118.6	397.5	806.9	1204.4	0.5923	1.5092	310
320	423.31	0.01899	1.449	399.6	1118.8	400.8	803.9	1204.7	0.5960	1.5064	320
330	426.19	0.01904	1.406	402.8	1119.0	403.9	801.0	1204.9	0.5995	1.5036	330
340	429.00	0.01908	1.365	405.8	1119.1	407.0	798.1	1205.1	0.6030	1.5010	340
350	431.74	0.01913	1.326	408.8	1119.3	410.1	795.1	1205.2	0.6063	1.4984	350
360	434.42	0.01917	1.290	411.8	1119.4	413.1	792.3	1205.4	0.6096	1.4958	360
370	437.05	0.01921	1.255	414.7	1119.5	416.0	789.5	1205.5	0.6129	1.4933	370
380	439.62	0.01926	1.223	417.5	1119.6	418.9	786.8	1205.6	0.6160	1.4909	380
390	442.14	0.01930	1.191	420.3	1119.7	421.7	784.0	1205.7	0.6191	1.4885	390
400	444.62	0.01934	1.162	423.0	1119.8	424.4	781.4	1205.8	0.6221	1.4862	400
410	447.04	0.01939	1.133	425.7	1119.8	427.2	778.7	1205.9	0.6251	1.4839	410
420	449.42	0.01943	1.106	428.3	1119.9	429.8	776.1	1205.9	0.6280	1.4817	420
430	451.76	0.01947	1.081	430.9	1119.9	432.5	773.4	1205.9	0.6309	1.4795	430
440	454.05	0.01951	1.056	433.5	1119.9	435.1	770.9	1206.0	0.6337	1.4773	440
450	456.31	0.01955	1.032	436.0	1119.9	437.6	768.4	1206.0	0.6364	1.4752	450
460	458.52	0.01959	1.010	438.5	1119.9	440.1	765.8	1205.9	0.6391	1.4732	460
470	460.70	0.01963	0.988	440.9	1119.9	442.6	763.3	1205.9	0.6418	1.4711	470
480	462.85	0.01967	0.967	443.3	1119.9	445.1	760.9	1205.9	0.6444	1.4691	480
490	464.96	0.01971	0.947	445.7	1119.9	447.5	758.3	1205.8	0.6470	1.4671	490
500	467.04	0.01975	0.928	448.0	1119.8	449.8	756.0	1205.8	0.6495	1.4652	500
510	469.09	0.01979	0.910	450.3	1119.8	452.2	753.5	1205.7	0.6520	1.4633	510
520	471.10	0.01983	0.892	452.6	1119.8	454.5	751.1	1205.6	0.6544	1.4614	520
530	473.09	0.01987	0.875	454.8	1119.7	456.8	748.7	1205.5	0.6568	1.4596	530
540	475.05	0.01991	0.858	457.1	1119.6	459.1	746.4	1205.4	0.6592	1.4577	540
550	476.98	0.01995	0.842	459.3	1119.6	461.3	744.0	1205.3	0.6616	1.4559	550
560	478.88	0.01999	0.827	461.4	1119.5	463.5	741.7	1205.2	0.6639	1.4542	560
570	480.76	0.02003	0.812	463.6	1119.4	465.7	739.4	1205.1	0.6662	1.4524	570
580	482.61	0.02006	0.798	465.7	1119.3	467.8	737.1	1204.9	0.6684	1.4507	580
590	484.44	0.02010	0.784	467.8	1119.2	470.0	734.9	1204.8	0.6706	1.4490	590
600	486.24	0.02014	0.770	469.8	1119.1	472.1	732.5	1204.6	0.6728	1.4473	600
650	494.94	0.02033	0.709	479.8	1118.4	482.3	721.5	1203.8	0.6834	1.4392	650
700	503.13	0.02051	0.656	489.3	1117.7	492.0	710.7	1202.7	0.6933	1.4315	700
750	510.89	0.02070	0.610	498.4	1116.8	501.3	700.2	1201.5	0.7028	1.4242	750
800	518.27	0.02088	0.569	507.2	1115.8	510.2	689.9	1200.1	0.7117	1.4171	800
850	525.30	0.02106	0.533	515.5	1114.7	518.9	679.8	1198.6	0.7203	1.4104	850
900	532.02	0.02124	0.501	523.6	1113.5	527.2	669.8	1197.0	0.7285	1.4039	900
950	538.46	0.02142	0.472	531.4	1112.2	535.2	660.0	1195.2	0.7364	1.3977	950

Saturation Properties of Water/Steam – Pressure Table – U.S. Customary System.

Steam/Water – Pressure Table – US Units (psia, °F)

Pressure (psia)	Temp. (°F)	Volume (ft ³ /lbm)		Internal Energy (Btu/lbm)		Enthalpy (Btu/lbm)			Entropy (Btu/(lbm°R))		Pressure (psia)
		Liquid	Vapor	Liquid	Vapor	Liquid	<i>fg</i>	Vapor	Liquid	Vapor	
1000	544.65	0.02160	0.446	539.0	1110.8	543.0	650.4	1193.4	0.7440	1.3916	1000
1050	550.61	0.02178	0.422	546.4	1109.3	550.6	640.9	1191.5	0.7514	1.3857	1050
1100	556.35	0.02196	0.401	553.6	1107.8	558.0	631.4	1189.4	0.7585	1.3799	1100
1150	561.89	0.02214	0.381	560.5	1106.2	565.3	622.1	1187.3	0.7654	1.3742	1150
1200	567.26	0.02233	0.362	567.4	1104.5	572.3	612.7	1185.0	0.7721	1.3687	1200
1250	572.45	0.02251	0.346	574.0	1102.7	579.3	603.5	1182.7	0.7786	1.3633	1250
1300	577.49	0.02270	0.330	580.6	1100.9	586.0	594.3	1180.3	0.7849	1.3579	1300
1350	582.38	0.02288	0.315	587.0	1099.0	592.7	585.1	1177.8	0.7912	1.3526	1350
1400	587.14	0.02307	0.302	593.3	1097.0	599.3	575.9	1175.2	0.7972	1.3474	1400
1450	591.76	0.02327	0.289	599.5	1095.0	605.7	566.9	1172.6	0.8032	1.3423	1450
1500	596.26	0.02346	0.277	605.6	1092.9	612.1	557.7	1169.8	0.8090	1.3372	1500
1550	600.65	0.02366	0.266	611.6	1090.7	618.4	548.6	1167.0	0.8147	1.3321	1550
1600	604.93	0.02386	0.255	617.5	1088.4	624.6	539.4	1164.0	0.8204	1.3271	1600
1650	609.11	0.02407	0.245	623.3	1086.1	630.7	530.3	1161.0	0.8259	1.3221	1650
1700	613.18	0.02428	0.236	629.1	1083.7	636.8	521.1	1157.9	0.8314	1.3171	1700
1750	617.17	0.02449	0.227	634.9	1081.2	642.8	511.9	1154.7	0.8368	1.3121	1750
1800	621.07	0.02471	0.218	640.5	1078.6	648.8	502.6	1151.4	0.8421	1.3072	1800
1850	624.88	0.02493	0.210	646.2	1076.0	654.7	493.3	1148.0	0.8473	1.3022	1850
1900	628.61	0.02516	0.203	651.7	1073.2	660.6	483.9	1144.5	0.8526	1.2972	1900
1950	632.27	0.02539	0.195	657.3	1070.4	666.4	474.5	1140.9	0.8577	1.2922	1950
2000	635.85	0.02564	0.188	662.8	1067.5	672.3	464.9	1137.2	0.8628	1.2872	2000
2100	642.80	0.02614	0.175	673.8	1061.4	683.9	445.5	1129.4	0.8730	1.2770	2100
2200	649.49	0.02668	0.163	684.7	1054.8	695.6	425.5	1121.1	0.8831	1.2667	2200
2300	655.94	0.02726	0.151	695.7	1047.7	707.3	404.9	1112.2	0.8932	1.2561	2300
2400	662.16	0.02789	0.141	706.8	1040.1	719.2	383.5	1102.6	0.9033	1.2452	2400
2500	668.17	0.02859	0.131	718.0	1031.8	731.3	361.0	1092.3	0.9136	1.2338	2500
2600	673.98	0.02938	0.121	729.7	1022.7	743.8	337.2	1081.0	0.9242	1.2217	2600
2700	679.60	0.03029	0.112	741.8	1012.5	756.9	311.6	1068.5	0.9353	1.2088	2700
2800	685.04	0.03136	0.103	754.6	1001.0	770.9	283.6	1054.4	0.9470	1.1947	2800
2900	690.31	0.03267	0.094	768.4	987.5	786.0	252.0	1038.0	0.9597	1.1788	2900
3000	695.41	0.03434	0.085	783.9	970.6	803.0	214.6	1017.6	0.9739	1.1597	3000
3100	700.34	0.03689	0.074	803.7	946.8	824.9	164.3	989.2	0.9922	1.1339	3100
3200.11	705.10	0.04975	0.050	866.6	866.6	896.1	0	896.1	1.0526	1.0526	3200.11

Data from E. W. Lemmon, M.O. McLinden and D.G. Friend, "Thermophysical Properties of Fluid Systems" in **NIST Chemistry WebBook, NIST Standard Reference Database Number 69**, Eds. P.J. Linstrom and W.G. Mallard, National Institute of Standards and Technology, Gaithersburg MD, 20899, <http://webbook.nist.gov>, (retrieved March 23, 2016).

