



**CTP Technical Resource - 1200.6 – Properties of Water Table**

Temp °F	Pressure of Saturated Vapor lb/in <sup>2</sup> abs	Specific Volume		Density		Head Factor ft/lb/in <sup>2</sup>	Temp °F
		ft <sup>3</sup> /lb	gal/lb	lb/ft <sup>3</sup>	Specific Grav.		
32	0.0885	0.01602	0.1198	62.42	0.9999	2.307	32
33	0.0922	0.01602	0.1198	62.42	0.9999	2.307	33
34	0.0960	0.01602	0.1198	62.42	0.9999	2.307	34
35	0.1000	0.01602	0.1198	62.424	1.0000	2.307	35
36	0.1040	0.01602	0.1198	62.425	1.0000	2.307	36
37	0.1082	0.01602	0.1198	62.426	1.0000	2.307	37
38	0.1126	0.01602	0.1198	62.426	1.0000	2.307	38
39	0.1171	0.01602	0.1198	62.426	1.0000	2.307	39
40	0.1217	0.01602	0.1198	62.426	1.0000	2.307	40
41	0.1265	0.01602	0.1198	62.426	1.0000	2.307	41
42	0.1315	0.01602	0.1198	62.425	1.0000	2.307	42
43	0.1367	0.01602	0.1198	62.424	1.0000	2.307	43
44	0.1420	0.01602	0.1198	62.42	0.9999	2.307	44
45	0.1475	0.01602	0.1198	62.42	0.9999	2.307	45
46	0.1532	0.01602	0.1198	62.42	0.9999	2.307	46
47	0.1591	0.01603	0.1199	62.42	0.9999	2.307	47
48	0.1653	0.01603	0.1199	62.41	0.9998	2.307	48
49	0.1716	0.01603	0.1199	62.41	0.9998	2.307	49
50	0.1781	0.01603	0.1199	62.41	0.9997	2.307	50
51	0.1849	0.01603	0.1199	62.41	0.9997	2.307	51
52	0.1918	0.01603	0.1199	62.40	0.9996	2.308	52
53	0.1990	0.01603	0.1199	62.40	0.9996	2.308	53
54	0.2064	0.01603	0.1199	62.40	0.9995	2.308	54
55	0.2141	0.01603	0.1199	62.39	0.9994	2.308	55
56	0.2220	0.01603	0.1199	62.39	0.9994	2.308	56
57	0.2302	0.01603	0.1199	62.38	0.9993	2.308	57
58	0.2386	0.01604	0.1200	62.38	0.9992	2.308	58
59	0.2473	0.01604	0.1200	62.37	0.9991	2.309	59
60	0.2563	0.01604	0.1200	62.37	0.9990	2.309	60
62	0.2751	0.01604	0.1200	62.36	0.9989	2.309	62
64	0.2951	0.01605	0.1201	62.35	0.9987	2.310	64
66	0.3164	0.01605	0.1201	62.33	0.9985	2.310	66
68	0.3390	0.01605	0.1201	62.32	0.9982	2.311	68
70	0.3631	0.01606	0.1201	62.30	0.9980	2.311	70
75	0.4298	0.01607	0.1202	62.27	0.9974	2.313	75
80	0.5069	0.01608	0.1203	62.22	0.9966	2.315	80
85	0.5959	0.01609	0.1204	62.17	0.9959	2.316	85
90	0.6982	0.01610	0.1205	62.12	0.9950	2.318	90
95	0.8153	0.01612	0.1206	62.06	0.9941	2.320	95
100	0.9492	0.01613	0.1207	62.00	0.9931	2.323	100
110	1.275	0.01617	0.1210	61.84	0.9906	2.328	110
120	1.692	0.01620	0.1212	61.73	0.9888	2.333	120
130	2.223	0.01625	0.1215	61.54	0.9857	2.340	130
140	2.889	0.01629	0.1219	61.39	0.9833	2.346	140
150	3.718	0.01634	0.1222	61.20	0.9803	2.353	150
160	4.741	0.01639	0.1226	61.01	0.9773	2.360	160
170	5.992	0.01645	0.1230	60.79	0.9738	2.369	170
180	7.510	0.01651	0.1235	60.57	0.9702	2.377	180
190	9.339	0.01657	0.1240	60.35	0.9667	2.386	190

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Temp °F	Pressure of Saturated Vapor lb/in <sup>2</sup> abs	Specific Volume		Density		Head Factor ft/lb/in <sup>2</sup>	Temp °F
		ft <sup>3</sup> /lb	gal/lb	lb/ft <sup>3</sup>	Specific Grav.		
200	11.53	0.01663	0.1244	60.13	0.9632	2.395	200
210	14.12	0.01670	0.1249	59.88	0.9592	2.405	210
220	17.19	0.01677	0.1254	59.63	0.9552	2.415	220
230	20.78	0.01684	0.1260	59.38	0.9512	2.425	230
240	24.97	0.01692	0.1266	59.10	0.9467	2.436	240
250	29.83	0.01700	0.1272	58.82	0.9423	2.448	250
260	35.43	0.01709	0.1278	58.51	0.9373	2.461	260
270	41.85	0.01717	0.1284	58.24	0.9331	2.472	270
280	49.20	0.01726	0.1291	57.94	0.9281	2.485	280
290	57.56	0.01735	0.1298	57.64	0.9232	2.498	290
300	67.01	0.01745	0.1305	57.31	0.9180	2.513	300
310	77.68	0.01755	0.1313	56.98	0.9127	2.527	310
320	89.66	0.01765	0.1320	56.66	0.9076	2.542	320
330	103.1	0.01776	0.1329	56.31	0.9019	2.557	330
340	118	0.01787	0.1337	55.96	0.8964	2.573	340
350	135	0.01799	0.1346	55.59	0.8904	2.591	350
360	153	0.01811	0.1355	55.22	0.8845	2.608	360
370	173	0.01823	0.1364	54.85	0.8787	2.625	370
380	196	0.01836	0.1373	54.47	0.8725	2.644	380
390	220	0.01850	0.1384	54.05	0.8659	2.664	390
400	247	0.01864	0.1394	53.65	0.8594	2.684	400
410	277	0.01878	0.1405	53.25	0.8529	2.704	410
420	309	0.01894	0.1417	52.80	0.8457	2.727	420
430	344	0.01910	0.1429	52.36	0.8387	2.750	430
440	382	0.01926	0.1441	51.92	0.8317	2.773	440
450	423	0.0194	0.145	51.5	0.826	2.79	450
460	467	0.0196	0.147	51.0	0.817	2.82	460
470	515	0.0198	0.148	50.5	0.809	2.85	470
480	566	0.0200	0.150	50.0	0.801	2.88	480
490	621	0.0202	0.151	49.5	0.793	2.91	490
500	681	0.0204	0.153	49.0	0.785	2.94	500
510	744	0.0207	0.155	48.3	0.774	2.98	510
520	812	0.0209	0.156	47.8	0.766	3.01	520
530	885	0.0212	0.159	47.2	0.756	3.05	530
540	963	0.0215	0.161	46.5	0.745	3.10	540
550	1045	0.0218	0.163	45.9	0.735	3.14	550
560	1133	0.0221	0.165	45.2	0.725	3.18	560
570	1227	0.0224	0.168	44.6	0.715	3.23	570
580	1326	0.0228	0.171	43.9	0.703	3.28	580
590	1431	0.0232	0.174	43.1	0.690	3.34	590
600	1543	0.0236	0.177	42.4	0.679	3.40	600
610	1661	0.0241	0.180	41.5	0.665	3.47	610
620	1787	0.0247	0.185	40.5	0.649	3.56	620
630	1919	0.0253	0.189	39.5	0.633	3.64	630
640	2060	0.0260	0.194	38.5	0.616	3.74	640
658	2208	0.0268	0.200	37.3	0.598	3.86	658
670	2532	0.0290	0.217	34.5	0.552	4.18	670
690	2895	0.0328	0.245	30.5	0.488	4.71	690
705.4	3206	0.0503	0.376	19.9	0.318	7.24	705.4