

## Saturated steam table

PRESSURE (bar)	BOILING TEMPERATURE °C	SPECIFIC VOLUME (STEAM) m <sup>3</sup> /Kg	SPECIFIC WEIGHT (STEAM) kg/m <sup>3</sup>	TOTAL HEAT (STEAM ENTHALPY) kcal/kg	SENSIBLE HEAT (WATER ENTHALPY) kcal/kg	LATENT HEAT (EVAPORATION) Kcal/kg
0.10	45.45	14.95	0.06688	617.0	45.41	571.6
0.15	53.60	10.21	0.09791	620.5	53.54	567.0
0.20	59.67	7.795	0.1283	623.1	59.61	563.5
0.25	64.56	6.322	0.1582	625.1	64.49	560.6
0.30	68.68	5.328	0.1877	626.8	68.61	558.2
0.40	75.42	4.069	0.2458	629.5	75.36	554.1
0.45	78.27	3.642	0.2746	630.8	78.25	552.5
0.50	80.86	3.301	0.3029	631.6	80.81	550.8
0.55	83.24	3.018	0.3313	623.7	83.25	549.5
0.60	85.45	2.783	0.3594	633.4	85.41	548.0
0.65	87.51	2.581	0.3874	634.4	87.53	546.9
0.70	89.45	2.409	0.4152	634.9	89.43	545.5
0.75	91.27	2.258	0.4429	635.8	91.30	544.5
0.80	92.99	2.125	0.4705	636.2	92.99	543.2
0.85	94.62	2.008	0.4980	637.1	94.68	542.6
0.90	96.18	1.904	0.5253	637.4	96.19	541.2
0.95	97.66	1.810	0.5526	638.3	97.74	540.5
1	99.09	1.725	0.5797	638.5	99.12	539.4
1.5	110.79	1.180	0.8472	642.8	110.9	531.9
2	119.62	0.9016	1.109	645.8	119.8	525.9
2.5	126.79	0.7316	1.367	648.3	127.2	521.1
3	132.88	0.6166	1.622	650.3	133.4	516.9
3.5	138.19	0.5335	1.874	651.9	138.8	513.1
4	142.92	0.4706	2.125	653.4	143.6	509.8
4.5	147.20	0.4213	2.374	654.7	148.0	506.7
5	151.11	0.3816	2.621	655.8	152.1	503.7
5.5	154.71	0.3489	2.867	656.9	155.8	501.1
6	158.08	0.3213	3.112	657.8	159.3	498.6
6.5	161.15	0.2980	3.356	658.7	162.6	496.2
7	164.17	0.2778	3.600	659.4	165.6	493.8
7.5	166.96	0.2602	3.842	660.2	168.5	491.7
8	169.61	0.2448	4.085	660.8	171.3	489.5
8.5	172.11	0.2311	4.327	661.4	173.9	487.5
9	174.53	0.2189	4.568	662.0	176.4	485.6
9.5	176.82	0.2080	4.809	662.5	178.9	483.6
10	179.04	0.1981	5.049	663.0	181.2	481.8
11	183.20	0.1808	5.530	663.9	185.6	478.3
12	187.08	0.1664	6.010	664.7	189.7	475.0
13	190.71	0.1541	6.488	665.4	193.5	471.9
14	194.13	0.1435	6.967	666.0	197.1	468.9
15	197.36	0.1343	7.466	666.6	200.6	466.0
16	200.43	0.1262	7.926	667.1	203.9	463.2
17	203.35	0.1190	8.405	667.5	207.1	460.4
18	206.14	0.1126	8.886	667.9	210.1	457.8
19	208.81	0.1068	9.366	668.2	213.0	455.2
20	211.38	0.1016	9.846	668.5	215.8	452.7
21	213.85	0.0968	10.33	668.7	218.5	450.2
22	216.23	0.0925	10.81	668.9	221.2	447.7
23	218.53	0.08856	11.29	669.1	223.6	445.5
24	220.75	0.08492	11.78	669.3	226.1	443.2
25	222.90	0.08157	12.26	669.4	228.5	440.9
26	224.99	0.07846	12.75	669.5	230.8	438.7
27	227.02	0.07548	13.25	669.6	233.2	436.4
28	228.98	0.07288	13.72	669.7	235.2	434.5
29	230.90	0.07029	14.23	669.7	237.5	432.2
30	232.76	0.06802	14.70	669.7	239.5	430.2
32	236.35	0.06868	15.70	669.3	243.7	425.6
34	239.77	0.05990	16.69	669.3	247.6	421.7
36	243.04	0.05653	17.69	669.3	251.3	418.0
38	246.17	0.05353	18.68	669.3	254.8	414.5
40	249.18	0.05078	19.69	669.0	258.2	410.8
42	252.07	0.04827	20.72	668.7	261.7	407.0
44	254.87	0.04600	21.74	668.5	265.0	403.5
46	257.56	0.04392	22.77	668.2	268.2	400.0
48	260.17	0.04201	23.80	667.9	271.3	396.6
50	262.70	0.04024	24.85	667.3	274.2	393.1
55	268.89	0.03636	27.50	666.2	281.4	384.8
60	274.29	0.03310	30.21	665.0	288.4	376.6
65	279.54	0.03033	32.97	663.6	294.8	368.8
70	284.48	0.02795	35.78	662.1	300.9	361.2
75	289.17	0.02587	38.66	660.5	307.0	353.5
80	293.62	0.02404	41.60	658.9	312.6	346.3

85	297.80	0.02241	44.62	657.0	318.2	338.8
90	301.92	0.02096	47.71	655.1	323.6	331.5
95	305.80	0.01964	50.91	653.2	328.8	324.4
100	309.53	0.01845	54.21	651.1	334.0	317.1
110	316.58	0.01637	61.08	646.1	344.0	302.7
120	323.15	0.01462	68.42	641.9	353.9	288.0