



Cert. No. LRQ 0963008

ISO 9001

## Dry Saturated Steam Tables

Pressure		Temperature	Specific enthalpy			Specific volume steam
bar	kPa	°C	Water (hf) kJ/kg	Evaporation (hfg) kJ/kg	Steam (hg) kJ/kg	m <sup>3</sup> /kg
0.30	30	69.113	289.331	2 335.28	2 624.61	5.229 76
0.50	50	81.338	340.578	2 304.77	2 645.35	3.240 85
0.75	75	91.782	384.469	2 278.10	2 662.57	2.217 51
0.95	95	98.204	411.524	2 261.38	2 672.91	1.777 59
1.00	100	99.632	417.547	2 257.63	2 675.18	1.694 32
1.013 25	101.325	100.001	419.101	2 256.66	2 675.76	1.673 59
0	0	100.001	419.101	2 256.66	2 675.76	1.673 59
0.1	10	102.660	430.327	2 249.62	2 679.95	1.532 56
0.2	20	105.128	440.758	2 243.05	2 683.81	1.414 08
0.3	30	107.434	450.510	2 236.86	2 687.37	1.313 11
0.4	40	109.600	459.676	2 231.02	2 690.69	1.225 99
0.5	50	111.642	468.331	2 225.47	2 693.80	1.150 03
0.6	60	113.577	476.534	2 220.19	2 696.72	1.083 20
0.7	70	115.416	484.336	2 215.13	2 699.47	1.023 92
0.8	80	117.169	491.779	2 210.29	2 702.07	0.970 98
0.9	90	118.844	498.898	2 205.64	2 704.54	0.923 40
1.0	100	120.449	505.725	2 201.16	2 706.88	0.880 39
1.1	110	121.991	512.284	2 196.83	2 709.12	0.841 33
1.2	120	123.474	518.599	2 192.65	2 711.25	0.805 68
1.3	130	124.903	524.690	2 188.60	2 713.29	0.773 01
1.4	140	126.283	530.574	2 184.67	2 715.25	0.742 97
1.5	150	127.617	536.266	2 180.86	2 717.13	0.715 23
1.6	160	128.909	541.781	2 177.15	2 718.93	0.689 56
1.7	170	130.161	547.130	2 173.54	2 720.67	0.665 71
1.8	180	131.376	552.324	2 170.02	2 722.34	0.643 50
1.9	190	132.557	557.374	2 166.58	2 723.96	0.622 76
2.0	200	133.705	562.289	2 163.23	2 725.52	0.603 36
2.2	220	135.913	571.742	2 156.74	2 728.48	0.568 06
2.4	240	138.011	580.741	2 150.53	2 731.27	0.536 76
2.6	260	140.013	589.333	2 144.55	2 733.89	0.508 82
2.8	280	141.927	597.559	2 138.80	2 736.36	0.483 71
3.0	300	143.762	605.453	2 133.24	2 738.70	0.461 02
3.2	320	145.525	613.044	2 127.87	2 740.92	0.440 41
3.4	340	147.221	620.357	2 122.67	2 743.02	0.421 61
3.6	360	148.858	627.417	2 117.61	2 745.03	0.404 38
3.8	380	150.438	634.242	2 112.70	2 746.94	0.388 54
4.0	400	151.966	640.849	2 107.92	2 748.77	0.373 92
4.5	450	155.584	656.515	2 096.49	2 753.00	0.341 86
5.0	500	158.949	671.117	2 085.70	2 756.82	0.314 96
5.5	550	162.098	684.811	2 075.47	2 760.28	0.292 06
6.0	600	165.059	697.720	2 065.72	2 763.44	0.272 32
6.5	650	167.858	709.944	2 056.39	2 766.33	0.255 12
7.0	700	170.513	721.561	2 047.43	2 768.99	0.239 99
7.5	750	173.039	732.641	2 038.81	2 771.45	0.226 58
8.0	800	175.451	743.238	2 030.49	2 773.72	0.214 61
8.5	850	177.759	753.400	2 022.43	2 775.83	0.203 85
9.0	900	179.974	763.168	2 014.63	2 777.80	0.194 13
9.5	950	182.103	772.576	2 007.05	2 779.62	0.185 31
10.0	1 000	184.154	781.656	1 999.67	2 781.33	0.177 26
10.5	1 050	186.133	790.433	1 992.49	2 782.92	0.169 88
11.0	1 100	188.045	798.931	1 985.48	2 784.41	0.163 10
11.5	1 150	189.897	807.171	1 978.63	2 785.80	0.156 84
12.0	1 200	191.691	815.171	1 971.94	2 787.11	0.151 05
12.5	1 250	193.432	822.948	1 965.38	2 788.33	0.145 67
13.0	1 300	195.123	830.515	1 958.96	2 789.48	0.140 66
13.5	1 350	196.767	837.888	1 952.67	2 790.56	0.135 98
14.0	1 400	198.368	845.077	1 946.49	2 791.57	0.131 60
14.5	1 450	199.928	852.093	1 940.42	2 792.51	0.127 50
15.0	1 500	201.450	858.947	1 934.46	2 793.40	0.123 64
15.5	1 550	202.934	865.648	1 928.59	2 794.24	0.120 01
16.0	1 600	204.384	872.203	1 922.82	2 795.02	0.116 59
17.0	1 700	207.188	884.907	1 911.53	2 796.44	0.110 29
18.0	1 800	209.873	897.116	1 900.57	2 797.68	0.104 63
19.0	1 900	212.450	908.873	1 889.89	2 798.77	0.099 52
20.0	2 000	214.930	920.220	1 879.49	2 799.71	0.094 88
21.0	2 100	217.319	931.192	1 869.32	2 800.51	0.090 64
22.0	2 200	219.626	941.818	1 859.38	2 801.20	0.086 76
23.0	2 300	221.857	952.125	1 849.65	2 801.77	0.083 19

Gauge pressure		Temperature °C	Specific enthalpy			Specific volume steam m³/kg
bar	kPa		Water (hf) kJ/kg	Evaporation (hfg) kJ/kg	Steam (hg) kJ/kg	
24	2400	224.017	962.13	1 840.11	2 802.24	0.079 906
25	2 500	226.112	971.87	1 830.74	2 802.62	0.076 858
26	2 600	228.145	981.36	1 821.55	2 802.91	0.074 028
27	2 700	230.121	990.60	1 812.51	2 803.11	0.071 393
28	2 800	232.044	999.62	1 803.61	2 803.24	0.068 933
29	2 900	233.916	1 008.44	1 794.86	2 803.30	0.066 632
30	3 000	235.741	1 017.06	1 786.23	2 803.28	0.064 473
31	3 100	237.521	1 025.49	1 777.72	2 803.21	0.062 445
32	3 200	239.259	1 033.74	1 769.32	2 803.07	0.060 535
33	3 300	240.957	1 041.83	1 761.04	2 802.87	0.058 734
34	3 400	242.617	1 049.77	1 752.85	2 802.62	0.057 031
35	3 500	244.241	1 057.55	1 744.77	2 802.32	0.055 420
36	3 600	245.831	1 065.20	1 736.77	2 801.97	0.053 893
37	3 700	247.389	1 072.71	1 728.86	2 801.57	0.052 443
38	3 800	248.915	1 080.09	1 721.04	2 801.13	0.051 065
39	3 900	250.411	1 087.35	1 713.29	2 800.64	0.049 753
40	4 000	251.879	1 094.50	1 705.62	2 800.12	0.048 503
41	4 100	253.320	1 101.53	1 698.02	2 799.55	0.047 311
42	4 200	254.735	1 108.46	1 690.49	2 798.95	0.046 171
43	4 300	256.126	1 115.28	1 683.02	2 798.30	0.045 082
44	4 400	257.492	1 122.01	1 675.62	2 797.63	0.044 039
45	4 500	258.835	1 128.64	1 668.28	2 796.92	0.043 040
46	4 600	260.156	1 135.19	1 660.99	2 796.18	0.042 082
47	4 700	261.455	1 141.64	1 653.76	2 795.40	0.041 162
48	4 800	262.735	1 148.02	1 646.58	2 794.60	0.040 278
49	4 900	263.994	1 154.31	1 639.45	2 793.76	0.039 428
50	5 000	265.234	1 160.53	1 632.36	2 792.90	0.038 610
51	5 100	266.456	1 166.68	1 625.33	2 792.00	0.037 823
52	5 200	267.660	1 172.75	1 618.33	2 791.08	0.037 064
53	5 300	268.847	1 178.75	1 611.38	2 790.14	0.036 332
54	5 400	270.017	1 184.69	1 604.48	2 789.16	0.035 626
55	5 500	271.171	1 190.56	1 597.60	2 788.17	0.034 943
56	5 600	272.309	1 196.37	1 590.77	2 787.14	0.034 284
57	5 700	273.432	1 202.12	1 583.97	2 786.10	0.033 647
58	5 800	274.541	1 207.82	1 577.21	2 785.03	0.033 030
59	5 900	275.635	1 213.45	1 570.48	2 783.94	0.032 433
60	6 000	276.716	1 219.04	1 563.78	2 782.82	0.031 855
61	6 100	277.783	1 224.56	1 557.12	2 781.68	0.031 295
62	6 200	278.836	1 230.04	1 550.48	2 780.52	0.030 752
63	6 300	279.878	1 235.47	1 543.87	2 779.34	0.030 225
64	6 400	280.907	1 240.85	1 537.29	2 778.14	0.029 713
65	6 500	281.923	1 246.19	1 530.73	2 776.92	0.029 217
66	6 600	282.928	1 251.48	1 524.20	2 775.67	0.028 734
67	6 700	283.922	1 256.72	1 517.69	2 774.41	0.028 265
68	6 800	284.905	1 261.93	1 511.20	2 773.13	0.027 809
69	6 900	285.877	1 267.09	1 504.74	2 771.82	0.027 366
70	7 000	286.838	1 272.21	1 498.29	2 770.50	0.026 934
71	7 100	287.789	1 277.29	1 491.87	2 769.16	0.026 514
72	7 200	288.730	1 282.34	1 485.47	2 767.80	0.026 105
73	7 300	289.661	1 287.34	1 479.08	2 766.42	0.025 707
74	7 400	290.582	1 292.31	1 472.71	2 765.03	0.025 318
75	7 500	291.494	1 297.25	1 466.36	2 763.61	0.024 939
76	7 600	292.397	1 302.15	1 460.03	2 762.18	0.024 570
77	7 700	293.292	1 307.02	1 453.71	2 760.73	0.024 210
78	7 800	294.177	1 311.86	1 447.40	2 759.26	0.023 858
79	7 900	295.054	1 316.67	1 441.11	2 757.78	0.023 515
80	8 000	295.922	1 321.45	1 434.83	2 756.27	0.023 179
81	8 100	296.782	1 326.19	1 428.56	2 754.75	0.022 852
82	8 200	297.635	1 330.91	1 422.31	2 753.22	0.022 532
83	8 300	298.479	1 335.60	1 416.06	2 751.66	0.022 219
84	8 400	299.316	1 340.26	1 409.83	2 750.09	0.021 913
85	8 500	300.145	1 344.90	1 403.60	2 748.50	0.021 614
86	8 600	300.967	1 349.51	1 397.39	2 746.90	0.021 322
87	8 700	301.781	1 354.09	1 391.18	2 745.27	0.021 035
88	8 800	302.589	1 358.65	1 384.98	2 743.64	0.020 755
89	8 900	303.389	1 363.19	1 378.79	2 741.98	0.020 481
90	9 000	304.183	1 367.70	1 372.61	2 740.31	0.020 212
92	9 200	305.751	1 376.66	1 360.25	2 736.91	0.019 691
94	9 400	307.293	1 385.53	1 347.92	2 733.45	0.019 191
96	9 600	308.810	1 394.32	1 335.60	2 729.93	0.018 710
98	9 800	310.303	1 403.04	1 323.30	2 726.34	0.018 247
100	10 000	311.772	1 411.68	1 311.00	2 722.68	0.017 801
102	10 200	313.220	1 420.25	1 298.70	2 718.95	0.017 372
104	10 400	314.646	1 428.76	1 286.40	2 715.16	0.016 958
106	10 600	316.051	1 437.20	1 274.10	2 711.30	0.016 558
108	10 800	317.436	1 445.59	1 261.79	2 707.37	0.016 171
110	11 000	318.801	1 453.92	1 249.46	2 703.38	0.015 798
112	11 200	320.147	1 462.20	1 237.12	2 699.31	0.015 437
114	11 400	321.475	1 470.43	1 224.75	2 695.18	0.015 087
116	11 600	322.785	1 478.61	1 212.36	2 690.97	0.014 748
118	11 800	324.077	1 486.76	1 199.94	2 686.70	0.014 420
120	12 000	325.353	1 494.86	1 187.48	2 682.35	0.014 101