

Table 2. Saturation (Pressure)

| p , MPa | t , °C | Density, kg/m ³ | | Enthalpy, kJ/kg | | | Entropy, kJ/(kg·K) | | | Volume, cm ³ /g | |
|-------------------|----------|----------------------------|-----------|-----------------|--------|------------|--------------------|--------|------------|----------------------------|----------|
| | | ρ_L | ρ_V | h_L | h_V | Δh | s_L | s_V | Δs | v_L | v_V |
| 611.657 Pa | 0.01 | 999.79 | 0.004 855 | 0.00 | 2500.9 | 2500.9 | 0.000 00 | 9.1555 | 9.1555 | 1.000 21 | 205 991. |
| 0.0007 | 1.881 | 999.89 | 0.005 518 | 7.89 | 2504.3 | 2496.5 | 0.028 78 | 9.1058 | 9.0770 | 1.000 11 | 181 217. |
| 0.0008 | 3.761 | 999.92 | 0.006 264 | 15.81 | 2507.8 | 2492.0 | 0.057 48 | 9.0567 | 8.9992 | 1.000 08 | 159 640. |
| 0.0009 | 5.444 | 999.91 | 0.007 005 | 22.89 | 2510.9 | 2488.0 | 0.082 97 | 9.0135 | 8.9305 | 1.000 09 | 142 757. |
| 0.0010 | 6.970 | 999.86 | 0.007 741 | 29.30 | 2513.7 | 2484.4 | 0.105 91 | 8.9749 | 8.8690 | 1.000 14 | 129 178. |
| 0.0012 | 9.654 | 999.68 | 0.009 202 | 40.57 | 2518.6 | 2478.0 | 0.145 95 | 8.9082 | 8.7623 | 1.000 32 | 108 670. |
| 0.0014 | 11.969 | 999.46 | 0.010 650 | 50.28 | 2522.8 | 2472.5 | 0.180 15 | 8.8521 | 8.6719 | 1.000 54 | 93 899. |
| 0.0016 | 14.010 | 999.20 | 0.012 086 | 58.83 | 2526.5 | 2467.7 | 0.210 04 | 8.8035 | 8.5935 | 1.000 80 | 82 743. |
| 0.0018 | 15.837 | 998.93 | 0.013 511 | 66.49 | 2529.9 | 2463.4 | 0.236 62 | 8.7608 | 8.5241 | 1.001 08 | 74 011. |
| 0.0020 | 17.495 | 998.64 | 0.014 928 | 73.43 | 2532.9 | 2459.4 | 0.260 56 | 8.7226 | 8.4620 | 1.001 36 | 66 987. |
| 0.0024 | 20.414 | 998.08 | 0.017 738 | 85.65 | 2538.2 | 2452.5 | 0.302 39 | 8.6567 | 8.3544 | 1.001 93 | 56 375. |
| 0.0028 | 22.935 | 997.51 | 0.020 522 | 96.19 | 2542.8 | 2446.6 | 0.338 16 | 8.6012 | 8.2631 | 1.002 49 | 48 729. |
| 0.0032 | 25.158 | 996.96 | 0.023 282 | 105.49 | 2546.8 | 2441.3 | 0.369 45 | 8.5533 | 8.1838 | 1.003 05 | 42 952. |
| 0.0036 | 27.152 | 996.43 | 0.026 021 | 113.83 | 2550.4 | 2436.6 | 0.397 29 | 8.5110 | 8.1138 | 1.003 58 | 38 430. |
| 0.0040 | 28.960 | 995.92 | 0.028 743 | 121.39 | 2553.7 | 2432.3 | 0.422 39 | 8.4734 | 8.0510 | 1.004 10 | 34 791. |
| 0.0045 | 31.012 | 995.30 | 0.032 122 | 129.96 | 2557.4 | 2427.4 | 0.450 69 | 8.4313 | 7.9806 | 1.004 73 | 31 131. |
| 0.0050 | 32.874 | 994.70 | 0.035 480 | 137.75 | 2560.7 | 2423.0 | 0.476 20 | 8.3938 | 7.9176 | 1.005 33 | 28 185. |
| 0.0055 | 34.581 | 994.13 | 0.038 816 | 144.88 | 2563.8 | 2418.9 | 0.499 45 | 8.3599 | 7.8605 | 1.005 90 | 25 762. |
| 0.0060 | 36.159 | 993.59 | 0.042 135 | 151.48 | 2566.6 | 2415.2 | 0.520 82 | 8.3290 | 7.8082 | 1.006 45 | 23 733. |
| 0.0065 | 37.627 | 993.06 | 0.045 436 | 157.61 | 2569.3 | 2411.6 | 0.540 60 | 8.3007 | 7.7601 | 1.006 99 | 22 009. |
| 0.0070 | 39.000 | 992.55 | 0.048 722 | 163.35 | 2571.7 | 2408.4 | 0.559 03 | 8.2745 | 7.7154 | 1.007 50 | 20 524. |
| 0.0075 | 40.290 | 992.06 | 0.051 994 | 168.75 | 2574.0 | 2405.3 | 0.576 27 | 8.2501 | 7.6738 | 1.008 00 | 19 233. |
| 0.0080 | 41.509 | 991.59 | 0.055 252 | 173.84 | 2576.2 | 2402.4 | 0.592 49 | 8.2273 | 7.6348 | 1.008 48 | 18 099. |
| 0.0085 | 42.663 | 991.13 | 0.058 498 | 178.67 | 2578.3 | 2399.6 | 0.607 80 | 8.2060 | 7.5982 | 1.008 95 | 17 095. |
| 0.0090 | 43.761 | 990.69 | 0.061 731 | 183.25 | 2580.2 | 2397.0 | 0.622 30 | 8.1858 | 7.5635 | 1.009 40 | 16 199. |
| 0.0095 | 44.807 | 990.25 | 0.064 954 | 187.63 | 2582.1 | 2394.5 | 0.636 07 | 8.1668 | 7.5308 | 1.009 84 | 15 396. |
| 0.010 | 45.806 | 989.83 | 0.068 166 | 191.81 | 2583.9 | 2392.1 | 0.649 20 | 8.1488 | 7.4996 | 1.010 27 | 14 670. |
| 0.011 | 47.683 | 989.03 | 0.074 560 | 199.65 | 2587.2 | 2387.5 | 0.673 72 | 8.1154 | 7.4417 | 1.011 10 | 13 412. |
| 0.012 | 49.419 | 988.26 | 0.080 917 | 206.91 | 2590.3 | 2383.4 | 0.696 28 | 8.0849 | 7.3887 | 1.011 88 | 12 358. |
| 0.013 | 51.034 | 987.53 | 0.087 242 | 213.67 | 2593.1 | 2379.4 | 0.717 17 | 8.0570 | 7.3398 | 1.012 63 | 11 462. |
| 0.014 | 52.547 | 986.82 | 0.093 535 | 219.99 | 2595.8 | 2375.8 | 0.736 64 | 8.0311 | 7.2945 | 1.013 35 | 10 691. |
| 0.016 | 55.313 | 985.50 | 0.106 04 | 231.57 | 2600.6 | 2369.1 | 0.772 01 | 7.9846 | 7.2126 | 1.014 71 | 9430.6 |
| 0.018 | 57.798 | 984.28 | 0.118 44 | 241.96 | 2605.0 | 2363.0 | 0.803 55 | 7.9437 | 7.1402 | 1.015 97 | 8443.1 |
| 0.020 | 60.058 | 983.13 | 0.130 75 | 251.42 | 2608.9 | 2357.5 | 0.832 02 | 7.9072 | 7.0752 | 1.017 16 | 7648.0 |
| 0.024 | 64.053 | 981.03 | 0.155 15 | 268.15 | 2615.9 | 2347.7 | 0.881 91 | 7.8442 | 6.9623 | 1.019 34 | 6445.3 |
| 0.028 | 67.518 | 979.13 | 0.179 28 | 282.66 | 2621.8 | 2339.2 | 0.924 72 | 7.7912 | 6.8664 | 1.021 31 | 5577.8 |
| 0.032 | 70.586 | 977.40 | 0.203 19 | 295.52 | 2627.1 | 2331.6 | 0.962 28 | 7.7453 | 6.7830 | 1.023 12 | 4921.5 |
| 0.036 | 73.345 | 975.80 | 0.226 90 | 307.09 | 2631.8 | 2324.7 | 0.995 79 | 7.7050 | 6.7092 | 1.024 80 | 4407.2 |
| 0.040 | 75.857 | 974.30 | 0.250 44 | 317.62 | 2636.1 | 2318.4 | 1.0261 | 7.6690 | 6.6429 | 1.026 38 | 3993.0 |
| 0.045 | 78.715 | 972.56 | 0.279 65 | 329.62 | 2640.9 | 2311.2 | 1.0603 | 7.6288 | 6.5686 | 1.028 21 | 3575.9 |
| 0.050 | 81.317 | 970.94 | 0.308 64 | 340.54 | 2645.2 | 2304.7 | 1.0912 | 7.5930 | 6.5018 | 1.029 93 | 3240.0 |
| 0.055 | 83.709 | 969.42 | 0.337 44 | 350.59 | 2649.2 | 2298.6 | 1.1194 | 7.5606 | 6.4412 | 1.031 54 | 2963.5 |
| 0.060 | 85.926 | 967.99 | 0.366 07 | 359.91 | 2652.9 | 2292.9 | 1.1454 | 7.5311 | 6.3857 | 1.033 07 | 2731.7 |
| 0.065 | 87.993 | 966.63 | 0.394 54 | 368.60 | 2656.3 | 2287.7 | 1.1696 | 7.5040 | 6.3345 | 1.034 52 | 2534.6 |
| 0.070 | 89.932 | 965.34 | 0.422 87 | 376.75 | 2659.4 | 2282.7 | 1.1921 | 7.4790 | 6.2869 | 1.035 90 | 2364.8 |
| 0.075 | 91.758 | 964.11 | 0.451 07 | 384.44 | 2662.4 | 2277.9 | 1.2132 | 7.4557 | 6.2425 | 1.037 23 | 2217.0 |
| 0.080 | 93.486 | 962.93 | 0.479 14 | 391.71 | 2665.2 | 2273.5 | 1.2330 | 7.4339 | 6.2009 | 1.038 50 | 2087.1 |
| 0.085 | 95.125 | 961.79 | 0.507 09 | 398.62 | 2667.8 | 2269.2 | 1.2518 | 7.4135 | 6.1617 | 1.039 72 | 1972.0 |
| 0.090 | 96.687 | 960.70 | 0.534 94 | 405.20 | 2670.3 | 2265.1 | 1.2696 | 7.3943 | 6.1246 | 1.040 91 | 1869.4 |
| 0.095 | 98.178 | 959.65 | 0.562 69 | 411.48 | 2672.7 | 2261.2 | 1.2866 | 7.3761 | 6.0895 | 1.042 05 | 1777.2 |
| 0.10 | 99.606 | 958.63 | 0.590 34 | 417.50 | 2674.9 | 2257.4 | 1.3028 | 7.3588 | 6.0561 | 1.043 15 | 1693.9 |
| 0.11 | 102.292 | 956.69 | 0.645 39 | 428.84 | 2679.2 | 2250.3 | 1.3330 | 7.3269 | 5.9938 | 1.045 27 | 1549.5 |
| 0.12 | 104.784 | 954.86 | 0.700 10 | 439.36 | 2683.1 | 2243.7 | 1.3609 | 7.2977 | 5.9367 | 1.047 27 | 1428.4 |
| 0.13 | 107.109 | 953.13 | 0.754 53 | 449.19 | 2686.6 | 2237.5 | 1.3868 | 7.2709 | 5.8840 | 1.049 17 | 1325.3 |
| 0.14 | 109.292 | 951.49 | 0.808 69 | 458.42 | 2690.0 | 2231.6 | 1.4110 | 7.2461 | 5.8351 | 1.050 99 | 1236.6 |

Table 2. Saturation (Pressure) (continued)

| p , MPa | t , °C | Density, kg/m ³ | | Enthalpy, kJ/kg | | | Entropy, kJ/(kg·K) | | | Volume, cm ³ /g | |
|-------------|----------|----------------------------|----------|-----------------|--------|------------|--------------------|--------|------------|----------------------------|--------|
| | | ρ_L | ρ_V | h_L | h_V | Δh | s_L | s_V | Δs | v_L | v_V |
| 0.15 | 111.349 | 949.92 | 0.862 60 | 467.13 | 2693.1 | 2226.0 | 1.4337 | 7.2230 | 5.7893 | 1.052 73 | 1159.3 |
| 0.16 | 113.297 | 948.41 | 0.916 29 | 475.38 | 2696.0 | 2220.7 | 1.4551 | 7.2014 | 5.7463 | 1.054 40 | 1091.4 |
| 0.17 | 115.148 | 946.97 | 0.969 76 | 483.22 | 2698.8 | 2215.6 | 1.4753 | 7.1812 | 5.7059 | 1.056 00 | 1031.2 |
| 0.18 | 116.911 | 945.57 | 1.0230 | 490.70 | 2701.4 | 2210.7 | 1.4945 | 7.1621 | 5.6676 | 1.057 56 | 977.47 |
| 0.19 | 118.596 | 944.23 | 1.0761 | 497.85 | 2703.9 | 2206.0 | 1.5127 | 7.1440 | 5.6313 | 1.059 06 | 929.24 |
| 0.20 | 120.210 | 942.94 | 1.1291 | 504.70 | 2706.2 | 2201.5 | 1.5302 | 7.1269 | 5.5967 | 1.060 52 | 885.68 |
| 0.21 | 121.759 | 941.68 | 1.1818 | 511.29 | 2708.5 | 2197.2 | 1.5469 | 7.1106 | 5.5638 | 1.061 93 | 846.14 |
| 0.22 | 123.250 | 940.47 | 1.2345 | 517.63 | 2710.6 | 2193.0 | 1.5628 | 7.0951 | 5.5323 | 1.063 30 | 810.07 |
| 0.23 | 124.686 | 939.28 | 1.2869 | 523.74 | 2712.7 | 2188.9 | 1.5782 | 7.0803 | 5.5021 | 1.064 64 | 777.04 |
| 0.24 | 126.072 | 938.13 | 1.3393 | 529.64 | 2714.6 | 2185.0 | 1.5930 | 7.0661 | 5.4731 | 1.065 94 | 746.68 |
| 0.25 | 127.411 | 937.02 | 1.3915 | 535.34 | 2716.5 | 2181.1 | 1.6072 | 7.0524 | 5.4452 | 1.067 22 | 718.66 |
| 0.26 | 128.708 | 935.93 | 1.4436 | 540.87 | 2718.3 | 2177.4 | 1.6210 | 7.0394 | 5.4184 | 1.068 46 | 692.73 |
| 0.27 | 129.965 | 934.86 | 1.4955 | 546.24 | 2720.0 | 2173.8 | 1.6343 | 7.0268 | 5.3925 | 1.069 68 | 668.65 |
| 0.28 | 131.185 | 933.83 | 1.5474 | 551.44 | 2721.7 | 2170.3 | 1.6471 | 7.0146 | 5.3675 | 1.070 86 | 646.24 |
| 0.29 | 132.370 | 932.81 | 1.5992 | 556.50 | 2723.3 | 2166.8 | 1.6596 | 7.0029 | 5.3433 | 1.072 03 | 625.33 |
| 0.30 | 133.522 | 931.82 | 1.6508 | 561.43 | 2724.9 | 2163.5 | 1.6717 | 6.9916 | 5.3199 | 1.073 17 | 605.76 |
| 0.31 | 134.644 | 930.85 | 1.7024 | 566.22 | 2726.4 | 2160.2 | 1.6835 | 6.9807 | 5.2972 | 1.074 29 | 587.41 |
| 0.32 | 135.737 | 929.90 | 1.7539 | 570.90 | 2727.8 | 2157.0 | 1.6949 | 6.9701 | 5.2752 | 1.075 39 | 570.17 |
| 0.33 | 136.802 | 928.96 | 1.8052 | 575.46 | 2729.3 | 2153.8 | 1.7060 | 6.9598 | 5.2538 | 1.076 47 | 553.95 |
| 0.34 | 137.842 | 928.05 | 1.8565 | 579.91 | 2730.6 | 2150.7 | 1.7168 | 6.9498 | 5.2330 | 1.077 53 | 538.64 |
| 0.35 | 138.857 | 927.15 | 1.9077 | 584.26 | 2732.0 | 2147.7 | 1.7274 | 6.9401 | 5.2128 | 1.078 57 | 524.18 |
| 0.36 | 139.849 | 926.27 | 1.9589 | 588.52 | 2733.2 | 2144.7 | 1.7377 | 6.9307 | 5.1931 | 1.079 60 | 510.50 |
| 0.37 | 140.819 | 925.40 | 2.0099 | 592.68 | 2734.5 | 2141.8 | 1.7477 | 6.9216 | 5.1739 | 1.080 61 | 497.53 |
| 0.38 | 141.769 | 924.55 | 2.0609 | 596.75 | 2735.7 | 2139.0 | 1.7575 | 6.9126 | 5.1551 | 1.081 61 | 485.22 |
| 0.39 | 142.698 | 923.71 | 2.1119 | 600.74 | 2736.9 | 2136.2 | 1.7671 | 6.9040 | 5.1369 | 1.082 59 | 473.52 |
| 0.40 | 143.608 | 922.89 | 2.1627 | 604.65 | 2738.1 | 2133.4 | 1.7765 | 6.8955 | 5.1190 | 1.083 55 | 462.38 |
| 0.42 | 145.375 | 921.28 | 2.2642 | 612.25 | 2740.3 | 2128.0 | 1.7946 | 6.8791 | 5.0846 | 1.085 44 | 441.65 |
| 0.44 | 147.076 | 919.72 | 2.3655 | 619.58 | 2742.4 | 2122.8 | 1.8120 | 6.8636 | 5.0516 | 1.087 29 | 422.74 |
| 0.46 | 148.716 | 918.20 | 2.4666 | 626.64 | 2744.4 | 2117.7 | 1.8287 | 6.8487 | 5.0199 | 1.089 08 | 405.42 |
| 0.48 | 150.300 | 916.73 | 2.5674 | 633.47 | 2746.3 | 2112.8 | 1.8448 | 6.8344 | 4.9895 | 1.090 84 | 389.50 |
| 0.50 | 151.831 | 915.29 | 2.6680 | 640.09 | 2748.1 | 2108.0 | 1.8604 | 6.8207 | 4.9603 | 1.092 55 | 374.81 |
| 0.52 | 153.314 | 913.89 | 2.7685 | 646.50 | 2749.9 | 2103.4 | 1.8754 | 6.8075 | 4.9321 | 1.094 23 | 361.20 |
| 0.54 | 154.753 | 912.52 | 2.8688 | 652.72 | 2751.5 | 2098.8 | 1.8899 | 6.7948 | 4.9049 | 1.095 87 | 348.58 |
| 0.56 | 156.149 | 911.18 | 2.9689 | 658.77 | 2753.1 | 2094.4 | 1.9040 | 6.7825 | 4.8786 | 1.097 48 | 336.82 |
| 0.58 | 157.506 | 909.87 | 3.0689 | 664.65 | 2754.7 | 2090.0 | 1.9176 | 6.7707 | 4.8531 | 1.099 05 | 325.85 |
| 0.60 | 158.826 | 908.59 | 3.1687 | 670.38 | 2756.1 | 2085.8 | 1.9308 | 6.7592 | 4.8284 | 1.100 60 | 315.58 |
| 0.62 | 160.112 | 907.34 | 3.2684 | 675.96 | 2757.6 | 2081.6 | 1.9437 | 6.7482 | 4.8045 | 1.102 12 | 305.96 |
| 0.64 | 161.365 | 906.11 | 3.3680 | 681.41 | 2758.9 | 2077.5 | 1.9562 | 6.7374 | 4.7813 | 1.103 62 | 296.91 |
| 0.66 | 162.587 | 904.91 | 3.4675 | 686.73 | 2760.3 | 2073.5 | 1.9684 | 6.7270 | 4.7587 | 1.105 09 | 288.40 |
| 0.68 | 163.781 | 903.72 | 3.5668 | 691.92 | 2761.5 | 2069.6 | 1.9802 | 6.7169 | 4.7367 | 1.106 54 | 280.36 |
| 0.70 | 164.946 | 902.56 | 3.6660 | 697.00 | 2762.8 | 2065.8 | 1.9918 | 6.7071 | 4.7153 | 1.107 96 | 272.77 |
| 0.72 | 166.086 | 901.42 | 3.7652 | 701.97 | 2763.9 | 2062.0 | 2.0031 | 6.6975 | 4.6944 | 1.109 36 | 265.59 |
| 0.74 | 167.200 | 900.30 | 3.8642 | 706.84 | 2765.1 | 2058.2 | 2.0141 | 6.6882 | 4.6741 | 1.110 75 | 258.79 |
| 0.76 | 168.291 | 899.19 | 3.9631 | 711.61 | 2766.2 | 2054.6 | 2.0248 | 6.6791 | 4.6543 | 1.112 11 | 252.33 |
| 0.78 | 169.360 | 898.10 | 4.0620 | 716.28 | 2767.3 | 2051.0 | 2.0354 | 6.6703 | 4.6349 | 1.113 46 | 246.18 |
| 0.80 | 170.406 | 897.04 | 4.1608 | 720.86 | 2768.3 | 2047.4 | 2.0457 | 6.6616 | 4.6160 | 1.114 78 | 240.34 |
| 0.82 | 171.433 | 895.98 | 4.2595 | 725.36 | 2769.3 | 2043.9 | 2.0557 | 6.6532 | 4.5975 | 1.116 09 | 234.77 |
| 0.84 | 172.440 | 894.94 | 4.3581 | 729.78 | 2770.3 | 2040.5 | 2.0656 | 6.6449 | 4.5793 | 1.117 39 | 229.46 |
| 0.86 | 173.428 | 893.92 | 4.4567 | 734.11 | 2771.2 | 2037.1 | 2.0753 | 6.6369 | 4.5616 | 1.118 67 | 224.38 |
| 0.88 | 174.398 | 892.91 | 4.5552 | 738.37 | 2772.1 | 2033.8 | 2.0847 | 6.6290 | 4.5443 | 1.119 93 | 219.53 |
| 0.90 | 175.350 | 891.92 | 4.6536 | 742.56 | 2773.0 | 2030.5 | 2.0940 | 6.6213 | 4.5272 | 1.121 18 | 214.89 |
| 0.92 | 176.287 | 890.93 | 4.7520 | 746.68 | 2773.9 | 2027.2 | 2.1032 | 6.6137 | 4.5106 | 1.122 42 | 210.44 |
| 0.94 | 177.207 | 889.96 | 4.8503 | 750.73 | 2774.7 | 2024.0 | 2.1121 | 6.6063 | 4.4942 | 1.123 64 | 206.17 |
| 0.96 | 178.112 | 889.01 | 4.9486 | 754.72 | 2775.5 | 2020.8 | 2.1209 | 6.5991 | 4.4782 | 1.124 85 | 202.08 |
| 0.98 | 179.002 | 888.06 | 5.0468 | 758.65 | 2776.3 | 2017.7 | 2.1296 | 6.5920 | 4.4624 | 1.126 05 | 198.14 |

Table 2. Saturation (Pressure) (continued)

| p , MPa | t , °C | Density, kg/m ³ | | Enthalpy, kJ/kg | | | Entropy, kJ/(kg·K) | | | Volume, cm ³ /g | |
|-------------|----------|----------------------------|----------|-----------------|--------|------------|--------------------|--------|------------|----------------------------|--------|
| | | ρ_L | ρ_V | h_L | h_V | Δh | s_L | s_V | Δs | v_L | v_V |
| 1.00 | 179.878 | 887.13 | 5.1450 | 762.52 | 2777.1 | 2014.6 | 2.1381 | 6.5850 | 4.4470 | 1.127 23 | 194.36 |
| 1.05 | 182.009 | 884.84 | 5.3903 | 771.94 | 2778.9 | 2007.0 | 2.1587 | 6.5681 | 4.4095 | 1.130 14 | 185.52 |
| 1.10 | 184.062 | 882.62 | 5.6354 | 781.03 | 2780.6 | 1999.6 | 2.1785 | 6.5520 | 4.3735 | 1.132 99 | 177.45 |
| 1.15 | 186.043 | 880.46 | 5.8804 | 789.82 | 2782.2 | 1992.4 | 2.1976 | 6.5365 | 4.3390 | 1.135 77 | 170.06 |
| 1.20 | 187.957 | 878.35 | 6.1251 | 798.33 | 2783.7 | 1985.4 | 2.2159 | 6.5217 | 4.3058 | 1.138 50 | 163.26 |
| 1.25 | 189.809 | 876.29 | 6.3698 | 806.58 | 2785.1 | 1978.6 | 2.2337 | 6.5074 | 4.2737 | 1.141 18 | 156.99 |
| 1.30 | 191.605 | 874.28 | 6.6144 | 814.60 | 2786.5 | 1971.9 | 2.2508 | 6.4936 | 4.2428 | 1.143 80 | 151.19 |
| 1.35 | 193.347 | 872.31 | 6.8589 | 822.39 | 2787.7 | 1965.3 | 2.2674 | 6.4803 | 4.2129 | 1.146 38 | 145.80 |
| 1.40 | 195.039 | 870.39 | 7.1034 | 829.97 | 2788.8 | 1958.9 | 2.2835 | 6.4675 | 4.1839 | 1.148 92 | 140.78 |
| 1.45 | 196.685 | 868.50 | 7.3479 | 837.35 | 2789.9 | 1952.6 | 2.2992 | 6.4550 | 4.1559 | 1.151 41 | 136.09 |
| 1.50 | 198.287 | 866.65 | 7.5924 | 844.56 | 2791.0 | 1946.4 | 2.3143 | 6.4430 | 4.1286 | 1.153 87 | 131.71 |
| 1.55 | 199.848 | 864.84 | 7.8369 | 851.59 | 2791.9 | 1940.3 | 2.3291 | 6.4313 | 4.1022 | 1.156 29 | 127.60 |
| 1.60 | 201.370 | 863.05 | 8.0815 | 858.46 | 2792.8 | 1934.4 | 2.3435 | 6.4199 | 4.0765 | 1.158 68 | 123.74 |
| 1.65 | 202.856 | 861.30 | 8.3261 | 865.17 | 2793.7 | 1928.5 | 2.3575 | 6.4089 | 4.0514 | 1.161 03 | 120.10 |
| 1.70 | 204.307 | 859.58 | 8.5708 | 871.74 | 2794.5 | 1922.7 | 2.3711 | 6.3981 | 4.0270 | 1.163 36 | 116.67 |
| 1.75 | 205.725 | 857.89 | 8.8156 | 878.17 | 2795.2 | 1917.0 | 2.3845 | 6.3877 | 4.0032 | 1.165 65 | 113.43 |
| 1.80 | 207.112 | 856.22 | 9.0606 | 884.47 | 2795.9 | 1911.4 | 2.3975 | 6.3775 | 3.9800 | 1.167 92 | 110.37 |
| 1.85 | 208.469 | 854.58 | 9.3056 | 890.65 | 2796.6 | 1905.9 | 2.4102 | 6.3675 | 3.9573 | 1.170 16 | 107.46 |
| 1.90 | 209.798 | 852.96 | 9.5508 | 896.71 | 2797.2 | 1900.5 | 2.4227 | 6.3578 | 3.9351 | 1.172 38 | 104.70 |
| 1.95 | 211.101 | 851.37 | 9.7962 | 902.66 | 2797.8 | 1895.1 | 2.4348 | 6.3483 | 3.9135 | 1.174 58 | 102.08 |
| 2.0 | 212.377 | 849.80 | 10.042 | 908.50 | 2798.3 | 1889.8 | 2.4468 | 6.3390 | 3.8923 | 1.176 75 | 99.585 |
| 2.1 | 214.858 | 846.72 | 10.533 | 919.87 | 2799.3 | 1879.4 | 2.4699 | 6.3210 | 3.8511 | 1.181 03 | 94.938 |
| 2.2 | 217.249 | 843.72 | 11.026 | 930.87 | 2800.1 | 1869.2 | 2.4921 | 6.3038 | 3.8116 | 1.185 23 | 90.698 |
| 2.3 | 219.557 | 840.79 | 11.519 | 941.53 | 2800.8 | 1859.3 | 2.5136 | 6.2872 | 3.7736 | 1.189 36 | 86.815 |
| 2.4 | 221.789 | 837.92 | 12.013 | 951.87 | 2801.4 | 1849.6 | 2.5343 | 6.2712 | 3.7369 | 1.193 43 | 83.244 |
| 2.5 | 223.950 | 835.12 | 12.508 | 961.91 | 2801.9 | 1840.0 | 2.5543 | 6.2558 | 3.7015 | 1.197 43 | 79.949 |
| 2.6 | 226.046 | 832.37 | 13.004 | 971.67 | 2802.3 | 1830.7 | 2.5736 | 6.2409 | 3.6672 | 1.201 38 | 76.899 |
| 2.7 | 228.080 | 829.68 | 13.501 | 981.18 | 2802.7 | 1821.5 | 2.5924 | 6.2264 | 3.6340 | 1.205 28 | 74.066 |
| 2.8 | 230.057 | 827.04 | 14.000 | 990.46 | 2802.9 | 1812.4 | 2.6106 | 6.2124 | 3.6018 | 1.209 13 | 71.429 |
| 2.9 | 231.980 | 824.45 | 14.500 | 999.51 | 2803.1 | 1803.6 | 2.6283 | 6.1988 | 3.5705 | 1.212 93 | 68.968 |
| 3.0 | 233.853 | 821.90 | 15.001 | 1008.3 | 2803.2 | 1794.8 | 2.6455 | 6.1856 | 3.5400 | 1.216 69 | 66.664 |
| 3.1 | 235.679 | 819.39 | 15.503 | 1017.0 | 2803.2 | 1786.2 | 2.6623 | 6.1727 | 3.5104 | 1.220 42 | 64.504 |
| 3.2 | 237.459 | 816.92 | 16.006 | 1025.4 | 2803.1 | 1777.7 | 2.6787 | 6.1602 | 3.4815 | 1.224 10 | 62.475 |
| 3.3 | 239.198 | 814.49 | 16.512 | 1033.7 | 2803.0 | 1769.3 | 2.6946 | 6.1479 | 3.4533 | 1.227 76 | 60.564 |
| 3.4 | 240.897 | 812.10 | 17.018 | 1041.8 | 2802.9 | 1761.0 | 2.7102 | 6.1360 | 3.4258 | 1.231 38 | 58.761 |
| 3.5 | 242.557 | 809.74 | 17.526 | 1049.8 | 2802.6 | 1752.8 | 2.7254 | 6.1243 | 3.3989 | 1.234 97 | 57.058 |
| 3.6 | 244.182 | 807.41 | 18.036 | 1057.6 | 2802.4 | 1744.8 | 2.7403 | 6.1129 | 3.3726 | 1.238 54 | 55.446 |
| 3.7 | 245.772 | 805.10 | 18.547 | 1065.3 | 2802.1 | 1736.8 | 2.7549 | 6.1018 | 3.3469 | 1.242 08 | 53.918 |
| 3.8 | 247.330 | 802.83 | 19.059 | 1072.8 | 2801.7 | 1728.9 | 2.7691 | 6.0908 | 3.3217 | 1.245 59 | 52.467 |
| 3.9 | 248.857 | 800.59 | 19.574 | 1080.2 | 2801.3 | 1721.1 | 2.7831 | 6.0801 | 3.2970 | 1.249 08 | 51.089 |
| 4.0 | 250.354 | 798.37 | 20.090 | 1087.5 | 2800.8 | 1713.3 | 2.7968 | 6.0696 | 3.2728 | 1.252 56 | 49.776 |
| 4.1 | 251.823 | 796.17 | 20.608 | 1094.7 | 2800.3 | 1705.7 | 2.8102 | 6.0592 | 3.2491 | 1.256 01 | 48.525 |
| 4.2 | 253.264 | 794.00 | 21.127 | 1101.7 | 2799.8 | 1698.1 | 2.8234 | 6.0491 | 3.2257 | 1.259 44 | 47.332 |
| 4.3 | 254.680 | 791.85 | 21.649 | 1108.7 | 2799.2 | 1690.6 | 2.8363 | 6.0391 | 3.2028 | 1.262 86 | 46.192 |
| 4.4 | 256.070 | 789.73 | 22.172 | 1115.5 | 2798.6 | 1683.1 | 2.8490 | 6.0293 | 3.1803 | 1.266 26 | 45.102 |
| 4.5 | 257.437 | 787.62 | 22.697 | 1122.2 | 2797.9 | 1675.7 | 2.8615 | 6.0197 | 3.1582 | 1.269 65 | 44.059 |
| 4.6 | 258.780 | 785.53 | 23.224 | 1128.9 | 2797.3 | 1668.4 | 2.8738 | 6.0102 | 3.1364 | 1.273 02 | 43.059 |
| 4.7 | 260.101 | 783.47 | 23.753 | 1135.5 | 2796.5 | 1661.1 | 2.8859 | 6.0009 | 3.1150 | 1.276 38 | 42.100 |
| 4.8 | 261.402 | 781.42 | 24.284 | 1141.9 | 2795.8 | 1653.9 | 2.8978 | 5.9917 | 3.0939 | 1.279 73 | 41.180 |
| 4.9 | 262.681 | 779.38 | 24.816 | 1148.3 | 2795.0 | 1646.7 | 2.9095 | 5.9826 | 3.0731 | 1.283 06 | 40.296 |
| 5.0 | 263.941 | 777.37 | 25.351 | 1154.6 | 2794.2 | 1639.6 | 2.9210 | 5.9737 | 3.0527 | 1.286 39 | 39.446 |
| 5.1 | 265.181 | 775.37 | 25.888 | 1160.9 | 2793.4 | 1632.5 | 2.9323 | 5.9648 | 3.0325 | 1.289 71 | 38.628 |
| 5.2 | 266.403 | 773.39 | 26.427 | 1167.0 | 2792.5 | 1625.5 | 2.9435 | 5.9561 | 3.0126 | 1.293 02 | 37.840 |
| 5.3 | 267.608 | 771.42 | 26.968 | 1173.1 | 2791.6 | 1618.5 | 2.9546 | 5.9475 | 2.9930 | 1.296 32 | 37.081 |
| 5.4 | 268.795 | 769.46 | 27.512 | 1179.1 | 2790.7 | 1611.5 | 2.9654 | 5.9391 | 2.9736 | 1.299 61 | 36.348 |

Table 2. Saturation (Pressure) (continued)

| p , MPa | t , °C | Density, kg/m ³ | | Enthalpy, kJ/kg | | | Entropy, kJ/(kg·K) | | | Volume, cm ³ /g | |
|-------------|----------|----------------------------|----------|-----------------|--------|------------|--------------------|--------|------------|----------------------------|--------|
| | | ρ_L | ρ_V | h_L | h_V | Δh | s_L | s_V | Δs | v_L | v_V |
| 5.5 | 269.965 | 767.52 | 28.057 | 1185.1 | 2789.7 | 1604.6 | 2.9762 | 5.9307 | 2.9545 | 1.302 90 | 35.642 |
| 5.6 | 271.120 | 765.59 | 28.605 | 1191.0 | 2788.7 | 1597.8 | 2.9868 | 5.9224 | 2.9356 | 1.306 18 | 34.959 |
| 5.7 | 272.258 | 763.67 | 29.155 | 1196.8 | 2787.7 | 1590.9 | 2.9972 | 5.9142 | 2.9170 | 1.309 46 | 34.300 |
| 5.8 | 273.382 | 761.77 | 29.707 | 1202.6 | 2786.7 | 1584.1 | 3.0075 | 5.9061 | 2.8985 | 1.312 73 | 33.662 |
| 5.9 | 274.490 | 759.88 | 30.262 | 1208.3 | 2785.7 | 1577.4 | 3.0177 | 5.8981 | 2.8803 | 1.316 00 | 33.045 |
| 6.0 | 275.585 | 758.00 | 30.818 | 1213.9 | 2784.6 | 1570.7 | 3.0278 | 5.8901 | 2.8623 | 1.319 26 | 32.448 |
| 6.1 | 276.666 | 756.13 | 31.378 | 1219.5 | 2783.5 | 1564.0 | 3.0377 | 5.8823 | 2.8445 | 1.322 53 | 31.870 |
| 6.2 | 277.733 | 754.27 | 31.940 | 1225.1 | 2782.4 | 1557.3 | 3.0476 | 5.8745 | 2.8269 | 1.325 79 | 31.309 |
| 6.3 | 278.787 | 752.42 | 32.504 | 1230.5 | 2781.2 | 1550.7 | 3.0573 | 5.8668 | 2.8095 | 1.329 05 | 30.766 |
| 6.4 | 279.829 | 750.58 | 33.070 | 1236.0 | 2780.1 | 1544.1 | 3.0669 | 5.8592 | 2.7923 | 1.332 30 | 30.238 |
| 6.5 | 280.858 | 748.75 | 33.640 | 1241.4 | 2778.9 | 1537.5 | 3.0764 | 5.8516 | 2.7752 | 1.335 56 | 29.727 |
| 6.6 | 281.875 | 746.93 | 34.211 | 1246.7 | 2777.7 | 1530.9 | 3.0858 | 5.8441 | 2.7583 | 1.338 82 | 29.230 |
| 6.7 | 282.880 | 745.11 | 34.786 | 1252.0 | 2776.4 | 1524.4 | 3.0951 | 5.8367 | 2.7416 | 1.342 08 | 28.747 |
| 6.8 | 283.874 | 743.31 | 35.363 | 1257.3 | 2775.2 | 1517.9 | 3.1043 | 5.8293 | 2.7250 | 1.345 33 | 28.278 |
| 6.9 | 284.857 | 741.51 | 35.943 | 1262.5 | 2773.9 | 1511.4 | 3.1134 | 5.8220 | 2.7086 | 1.348 59 | 27.822 |
| 7.0 | 285.829 | 739.72 | 36.525 | 1267.7 | 2772.6 | 1505.0 | 3.1224 | 5.8148 | 2.6924 | 1.351 86 | 27.378 |
| 7.1 | 286.790 | 737.94 | 37.110 | 1272.8 | 2771.3 | 1498.5 | 3.1313 | 5.8076 | 2.6762 | 1.355 12 | 26.947 |
| 7.2 | 287.741 | 736.17 | 37.698 | 1277.9 | 2770.0 | 1492.1 | 3.1402 | 5.8004 | 2.6603 | 1.358 39 | 26.526 |
| 7.3 | 288.682 | 734.40 | 38.289 | 1282.9 | 2768.6 | 1485.7 | 3.1489 | 5.7933 | 2.6444 | 1.361 66 | 26.117 |
| 7.4 | 289.614 | 732.64 | 38.883 | 1287.9 | 2767.3 | 1479.3 | 3.1576 | 5.7863 | 2.6287 | 1.364 93 | 25.718 |
| 7.5 | 290.535 | 730.88 | 39.479 | 1292.9 | 2765.9 | 1473.0 | 3.1662 | 5.7793 | 2.6131 | 1.368 21 | 25.330 |
| 7.6 | 291.448 | 729.14 | 40.079 | 1297.9 | 2764.5 | 1466.6 | 3.1747 | 5.7723 | 2.5976 | 1.371 49 | 24.951 |
| 7.7 | 292.351 | 727.39 | 40.681 | 1302.8 | 2763.1 | 1460.3 | 3.1832 | 5.7654 | 2.5823 | 1.374 77 | 24.581 |
| 7.8 | 293.245 | 725.66 | 41.287 | 1307.7 | 2761.6 | 1454.0 | 3.1915 | 5.7586 | 2.5671 | 1.378 06 | 24.221 |
| 7.9 | 294.131 | 723.92 | 41.895 | 1312.5 | 2760.2 | 1447.7 | 3.1998 | 5.7518 | 2.5519 | 1.381 36 | 23.869 |
| 8.0 | 295.008 | 722.20 | 42.507 | 1317.3 | 2758.7 | 1441.4 | 3.2081 | 5.7450 | 2.5369 | 1.384 67 | 23.526 |
| 8.1 | 295.876 | 720.47 | 43.122 | 1322.1 | 2757.2 | 1435.1 | 3.2162 | 5.7383 | 2.5220 | 1.387 97 | 23.190 |
| 8.2 | 296.737 | 718.76 | 43.740 | 1326.8 | 2755.7 | 1428.8 | 3.2243 | 5.7316 | 2.5072 | 1.391 29 | 22.863 |
| 8.3 | 297.589 | 717.04 | 44.361 | 1331.6 | 2754.1 | 1422.6 | 3.2324 | 5.7249 | 2.4925 | 1.394 61 | 22.542 |
| 8.4 | 298.434 | 715.34 | 44.985 | 1336.3 | 2752.6 | 1416.3 | 3.2403 | 5.7183 | 2.4779 | 1.397 95 | 22.229 |
| 8.5 | 299.271 | 713.63 | 45.613 | 1340.9 | 2751.0 | 1410.1 | 3.2483 | 5.7117 | 2.4634 | 1.401 28 | 21.923 |
| 8.6 | 300.100 | 711.93 | 46.244 | 1345.6 | 2749.4 | 1403.9 | 3.2561 | 5.7051 | 2.4490 | 1.404 63 | 21.624 |
| 8.7 | 300.922 | 710.23 | 46.879 | 1350.2 | 2747.8 | 1397.7 | 3.2639 | 5.6986 | 2.4347 | 1.407 99 | 21.332 |
| 8.8 | 301.737 | 708.54 | 47.517 | 1354.8 | 2746.2 | 1391.5 | 3.2717 | 5.6921 | 2.4204 | 1.411 35 | 21.045 |
| 8.9 | 302.544 | 706.85 | 48.159 | 1359.3 | 2744.6 | 1385.3 | 3.2793 | 5.6856 | 2.4062 | 1.414 73 | 20.765 |
| 9.0 | 303.345 | 705.16 | 48.804 | 1363.9 | 2742.9 | 1379.1 | 3.2870 | 5.6791 | 2.3922 | 1.418 11 | 20.490 |
| 9.1 | 304.139 | 703.48 | 49.453 | 1368.4 | 2741.3 | 1372.9 | 3.2946 | 5.6727 | 2.3782 | 1.421 51 | 20.221 |
| 9.2 | 304.926 | 701.80 | 50.105 | 1372.9 | 2739.6 | 1366.7 | 3.3021 | 5.6663 | 2.3642 | 1.424 91 | 19.958 |
| 9.3 | 305.707 | 700.12 | 50.761 | 1377.4 | 2737.9 | 1360.5 | 3.3096 | 5.6599 | 2.3504 | 1.428 33 | 19.700 |
| 9.4 | 306.481 | 698.44 | 51.421 | 1381.8 | 2736.2 | 1354.4 | 3.3170 | 5.6536 | 2.3366 | 1.431 76 | 19.447 |
| 9.5 | 307.249 | 696.77 | 52.085 | 1386.2 | 2734.4 | 1348.2 | 3.3244 | 5.6473 | 2.3229 | 1.435 20 | 19.199 |
| 9.6 | 308.010 | 695.09 | 52.753 | 1390.6 | 2732.7 | 1342.0 | 3.3317 | 5.6410 | 2.3092 | 1.438 65 | 18.956 |
| 9.7 | 308.766 | 693.42 | 53.424 | 1395.0 | 2730.9 | 1335.9 | 3.3390 | 5.6347 | 2.2957 | 1.442 12 | 18.718 |
| 9.8 | 309.516 | 691.76 | 54.100 | 1399.4 | 2729.1 | 1329.7 | 3.3463 | 5.6284 | 2.2822 | 1.445 60 | 18.484 |
| 9.9 | 310.259 | 690.09 | 54.779 | 1403.7 | 2727.3 | 1323.6 | 3.3535 | 5.6222 | 2.2687 | 1.449 09 | 18.255 |
| 10.0 | 310.997 | 688.42 | 55.463 | 1408.1 | 2725.5 | 1317.4 | 3.3606 | 5.6160 | 2.2553 | 1.452 59 | 18.030 |
| 10.2 | 312.456 | 685.10 | 56.843 | 1416.7 | 2721.8 | 1305.1 | 3.3749 | 5.6035 | 2.2287 | 1.459 65 | 17.592 |
| 10.4 | 313.893 | 681.77 | 58.240 | 1425.2 | 2718.0 | 1292.8 | 3.3889 | 5.5912 | 2.2023 | 1.466 76 | 17.170 |
| 10.6 | 315.308 | 678.45 | 59.655 | 1433.7 | 2714.2 | 1280.5 | 3.4028 | 5.5789 | 2.1761 | 1.473 94 | 16.763 |
| 10.8 | 316.703 | 675.13 | 61.089 | 1442.1 | 2710.3 | 1268.2 | 3.4166 | 5.5667 | 2.1501 | 1.481 19 | 16.370 |
| 11.0 | 318.079 | 671.81 | 62.541 | 1450.4 | 2706.3 | 1255.9 | 3.4303 | 5.5545 | 2.1242 | 1.488 51 | 15.990 |
| 11.2 | 319.434 | 668.49 | 64.012 | 1458.7 | 2702.3 | 1243.6 | 3.4438 | 5.5423 | 2.0985 | 1.495 90 | 15.622 |
| 11.4 | 320.771 | 665.17 | 65.504 | 1467.0 | 2698.2 | 1231.2 | 3.4572 | 5.5302 | 2.0730 | 1.503 37 | 15.266 |
| 11.6 | 322.090 | 661.85 | 67.016 | 1475.2 | 2694.0 | 1218.8 | 3.4705 | 5.5181 | 2.0476 | 1.510 93 | 14.922 |
| 11.8 | 323.391 | 658.52 | 68.550 | 1483.3 | 2689.8 | 1206.4 | 3.4836 | 5.5060 | 2.0224 | 1.518 57 | 14.588 |

Table 2. Saturation (Pressure) (continued)

| p , MPa | t , °C | Density, kg/m ³ | | Enthalpy, kJ/kg | | | Entropy, kJ/(kg·K) | | | Volume, cm ³ /g | |
|---------------|----------|----------------------------|----------|-----------------|--------|------------|--------------------|--------|------------|----------------------------|--------|
| | | ρ_L | ρ_V | h_L | h_V | Δh | s_L | s_V | Δs | v_L | v_V |
| 12.0 | 324.675 | 655.18 | 70.106 | 1491.5 | 2685.4 | 1194.0 | 3.4967 | 5.4939 | 1.9972 | 1.526 30 | 14.264 |
| 12.2 | 325.942 | 651.84 | 71.684 | 1499.5 | 2681.0 | 1181.5 | 3.5097 | 5.4819 | 1.9722 | 1.534 13 | 13.950 |
| 12.4 | 327.194 | 648.49 | 73.287 | 1507.6 | 2676.6 | 1169.0 | 3.5226 | 5.4698 | 1.9472 | 1.542 05 | 13.645 |
| 12.6 | 328.429 | 645.13 | 74.914 | 1515.6 | 2672.0 | 1156.4 | 3.5354 | 5.4577 | 1.9223 | 1.550 09 | 13.349 |
| 12.8 | 329.649 | 641.75 | 76.566 | 1523.6 | 2667.4 | 1143.8 | 3.5481 | 5.4457 | 1.8975 | 1.558 23 | 13.061 |
| 13.0 | 330.854 | 638.37 | 78.245 | 1531.5 | 2662.7 | 1131.2 | 3.5608 | 5.4336 | 1.8728 | 1.566 49 | 12.780 |
| 13.2 | 332.044 | 634.97 | 79.950 | 1539.4 | 2657.9 | 1118.5 | 3.5734 | 5.4215 | 1.8481 | 1.574 87 | 12.508 |
| 13.4 | 333.220 | 631.56 | 81.685 | 1547.3 | 2653.0 | 1105.7 | 3.5859 | 5.4093 | 1.8234 | 1.583 38 | 12.242 |
| 13.6 | 334.382 | 628.13 | 83.448 | 1555.2 | 2648.0 | 1092.8 | 3.5984 | 5.3972 | 1.7988 | 1.592 02 | 11.983 |
| 13.8 | 335.531 | 624.69 | 85.243 | 1563.1 | 2643.0 | 1079.9 | 3.6108 | 5.3850 | 1.7742 | 1.600 81 | 11.731 |
| 14.0 | 336.666 | 621.22 | 87.069 | 1571.0 | 2637.9 | 1066.9 | 3.6232 | 5.3727 | 1.7495 | 1.609 74 | 11.485 |
| 14.2 | 337.789 | 617.73 | 88.928 | 1578.8 | 2632.6 | 1053.8 | 3.6355 | 5.3604 | 1.7249 | 1.618 83 | 11.245 |
| 14.4 | 338.899 | 614.22 | 90.822 | 1586.7 | 2627.3 | 1040.6 | 3.6478 | 5.3481 | 1.7002 | 1.628 09 | 11.011 |
| 14.6 | 339.996 | 610.68 | 92.752 | 1594.5 | 2621.9 | 1027.4 | 3.6601 | 5.3356 | 1.6756 | 1.637 52 | 10.781 |
| 14.8 | 341.082 | 607.11 | 94.720 | 1602.3 | 2616.3 | 1014.0 | 3.6723 | 5.3231 | 1.6508 | 1.647 14 | 10.557 |
| 15.0 | 342.155 | 603.52 | 96.727 | 1610.2 | 2610.7 | 1000.5 | 3.6846 | 5.3106 | 1.6260 | 1.656 95 | 10.338 |
| 15.2 | 343.217 | 599.89 | 98.776 | 1618.1 | 2605.0 | 986.9 | 3.6968 | 5.2979 | 1.6011 | 1.666 97 | 10.124 |
| 15.4 | 344.268 | 596.23 | 100.87 | 1625.9 | 2599.1 | 973.2 | 3.7090 | 5.2852 | 1.5762 | 1.677 22 | 9.9140 |
| 15.6 | 345.308 | 592.52 | 103.00 | 1633.8 | 2593.1 | 959.3 | 3.7212 | 5.2723 | 1.5511 | 1.687 70 | 9.7083 |
| 15.8 | 346.337 | 588.78 | 105.19 | 1641.7 | 2587.0 | 945.3 | 3.7335 | 5.2594 | 1.5259 | 1.698 43 | 9.5067 |
| 16.0 | 347.355 | 584.99 | 107.42 | 1649.7 | 2580.8 | 931.1 | 3.7457 | 5.2463 | 1.5006 | 1.709 44 | 9.3088 |
| 16.2 | 348.362 | 581.15 | 109.71 | 1657.7 | 2574.4 | 916.8 | 3.7580 | 5.2331 | 1.4750 | 1.720 73 | 9.1147 |
| 16.4 | 349.360 | 577.26 | 112.06 | 1665.7 | 2567.9 | 902.2 | 3.7704 | 5.2197 | 1.4494 | 1.732 33 | 8.9240 |
| 16.6 | 350.347 | 573.31 | 114.46 | 1673.7 | 2561.3 | 887.5 | 3.7827 | 5.2062 | 1.4235 | 1.744 27 | 8.7366 |
| 16.8 | 351.325 | 569.29 | 116.93 | 1681.9 | 2554.5 | 872.6 | 3.7952 | 5.1925 | 1.3974 | 1.756 57 | 8.5523 |
| 17.0 | 352.293 | 565.21 | 119.46 | 1690.0 | 2547.5 | 857.5 | 3.8077 | 5.1787 | 1.3710 | 1.769 26 | 8.3709 |
| 17.2 | 353.251 | 561.05 | 122.07 | 1698.3 | 2540.4 | 842.1 | 3.8203 | 5.1646 | 1.3443 | 1.782 37 | 8.1923 |
| 17.4 | 354.200 | 556.81 | 124.75 | 1706.6 | 2533.0 | 826.5 | 3.8330 | 5.1504 | 1.3174 | 1.795 93 | 8.0163 |
| 17.6 | 355.140 | 552.49 | 127.51 | 1715.0 | 2525.5 | 810.5 | 3.8458 | 5.1359 | 1.2901 | 1.810 00 | 7.8426 |
| 17.8 | 356.071 | 548.06 | 130.36 | 1723.5 | 2517.8 | 794.3 | 3.8587 | 5.1211 | 1.2624 | 1.824 60 | 7.6712 |
| 18.0 | 356.992 | 543.54 | 133.30 | 1732.1 | 2509.8 | 777.7 | 3.8718 | 5.1061 | 1.2342 | 1.839 80 | 7.5017 |
| 18.2 | 357.906 | 538.90 | 136.35 | 1740.8 | 2501.6 | 760.8 | 3.8851 | 5.0907 | 1.2056 | 1.855 64 | 7.3341 |
| 18.4 | 358.810 | 534.13 | 139.51 | 1749.7 | 2493.2 | 743.5 | 3.8985 | 5.0750 | 1.1765 | 1.872 19 | 7.1681 |
| 18.6 | 359.706 | 529.24 | 142.79 | 1758.7 | 2484.4 | 725.8 | 3.9121 | 5.0590 | 1.1468 | 1.889 51 | 7.0034 |
| 18.8 | 360.594 | 524.20 | 146.20 | 1767.8 | 2475.4 | 707.6 | 3.9260 | 5.0425 | 1.1165 | 1.907 67 | 6.8399 |
| 19.0 | 361.473 | 519.00 | 149.76 | 1777.2 | 2466.0 | 688.9 | 3.9401 | 5.0256 | 1.0855 | 1.926 77 | 6.6773 |
| 19.2 | 362.344 | 513.64 | 153.49 | 1786.7 | 2456.2 | 669.6 | 3.9545 | 5.0081 | 1.0536 | 1.946 89 | 6.5153 |
| 19.4 | 363.208 | 508.09 | 157.39 | 1796.4 | 2446.1 | 649.6 | 3.9692 | 4.9901 | 1.0208 | 1.968 14 | 6.3535 |
| 19.6 | 364.063 | 502.35 | 161.51 | 1806.4 | 2435.4 | 629.0 | 3.9843 | 4.9713 | 0.9871 | 1.990 64 | 6.1915 |
| 19.8 | 364.910 | 496.39 | 165.87 | 1816.7 | 2424.2 | 607.5 | 3.9997 | 4.9518 | 0.9521 | 2.0145 | 6.0290 |
| 20.0 | 365.749 | 490.19 | 170.50 | 1827.2 | 2412.3 | 585.1 | 4.0156 | 4.9314 | 0.9158 | 2.0400 | 5.8652 |
| 20.2 | 366.581 | 483.71 | 175.45 | 1838.1 | 2399.8 | 561.7 | 4.0320 | 4.9100 | 0.8780 | 2.0674 | 5.6996 |
| 20.4 | 367.404 | 476.90 | 180.79 | 1849.5 | 2386.3 | 536.9 | 4.0491 | 4.8872 | 0.8381 | 2.0969 | 5.5313 |
| 20.6 | 368.220 | 469.67 | 186.60 | 1861.4 | 2371.9 | 510.5 | 4.0670 | 4.8629 | 0.7959 | 2.1291 | 5.3590 |
| 20.8 | 369.027 | 461.91 | 193.00 | 1874.0 | 2356.1 | 482.1 | 4.0860 | 4.8367 | 0.7507 | 2.1649 | 5.1814 |
| 21.0 | 369.827 | 453.41 | 200.16 | 1887.6 | 2338.6 | 451.0 | 4.1064 | 4.8079 | 0.7015 | 2.2055 | 4.9961 |
| 21.2 | 370.619 | 443.83 | 208.33 | 1902.6 | 2318.9 | 416.3 | 4.1291 | 4.7758 | 0.6467 | 2.2531 | 4.8000 |
| 21.4 | 371.402 | 432.62 | 217.96 | 1919.7 | 2296.1 | 376.4 | 4.1550 | 4.7390 | 0.5839 | 2.3115 | 4.5880 |
| 21.6 | 372.178 | 418.75 | 229.84 | 1940.4 | 2268.6 | 328.2 | 4.1864 | 4.6950 | 0.5086 | 2.3880 | 4.3508 |
| 21.8 | 372.946 | 400.26 | 245.82 | 1967.4 | 2232.9 | 265.5 | 4.2274 | 4.6383 | 0.4109 | 2.4983 | 4.0680 |
| 22.0 | 373.705 | 369.77 | 274.16 | 2011.3 | 2173.1 | 161.7 | 4.2945 | 4.5446 | 0.2501 | 2.7044 | 3.6475 |
| 22.064 | 373.946 | 322.00 | 322.00 | 2084.3 | 2084.3 | 0. | 4.4070 | 4.4070 | 0. | 3.1056 | 3.1056 |