

VAPOR PRESSURE OF WATER BELOW 100°C

Pressure of aqueous vapor over water in mm of Hg for temperatures from
-15.8 to 100°C. Values for fractional degrees between 50 and 89 were
obtained by interpolation.

| Temp. °C | 0.0 | 0.2 | 0.4 | 0.6 | 0.8 | Temp. °C | 0.0 | 0.2 | 0.4 | 0.6 | 0.8 |
|-------------|--------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|--------|
| -15 | 1.436 | 1.414 | 1.390 | 1.368 | 1.345 | 42 | 61.50 | 62.14 | 62.80 | 63.46 | 64.12 |
| -14 | 1.560 | 1.534 | 1.511 | 1.485 | 1.460 | 43 | 64.80 | 65.48 | 66.16 | 66.86 | 67.56 |
| -13 | 1.691 | 1.665 | 1.637 | 1.611 | 1.585 | 44 | 68.26 | 68.97 | 69.69 | 70.41 | 71.14 |
| -12 | 1.834 | 1.804 | 1.776 | 1.748 | 1.720 | | | | | | |
| -11 | 1.987 | 1.955 | 1.924 | 1.893 | 1.863 | 45 | 71.88 | 72.62 | 73.36 | 74.12 | 74.88 |
| | | | | | | 46 | 75.65 | 76.43 | 77.21 | 78.00 | 78.80 |
| -10 | 2.149 | 2.116 | 2.084 | 2.050 | 2.018 | 47 | 79.60 | 80.41 | 81.23 | 82.05 | 82.87 |
| -9 | 2.326 | 2.289 | 2.254 | 2.219 | 2.184 | 48 | 83.71 | 84.56 | 85.42 | 86.28 | 87.14 |
| -8 | 2.514 | 2.475 | 2.437 | 2.399 | 2.362 | 49 | 88.02 | 88.90 | 89.79 | 90.69 | 91.59 |
| -7 | 2.715 | 2.674 | 2.633 | 2.593 | 2.553 | | | | | | |
| -6 | 2.931 | 2.887 | 2.843 | 2.800 | 2.757 | 50 | 92.51 | 93.5 | 94.4 | 95.3 | 96.3 |
| | | | | | | 51 | 97.20 | 98.2 | 99.1 | 100.1 | 101.1 |
| -5 | 3.163 | 3.115 | 3.069 | 3.022 | 2.976 | 52 | 102.09 | 103.1 | 104.1 | 105.1 | 106.2 |
| -4 | 3.410 | 3.359 | 3.309 | 3.259 | 3.211 | 53 | 107.20 | 108.2 | 109.3 | 110.4 | 111.4 |
| -3 | 3.673 | 3.620 | 3.567 | 3.514 | 3.461 | 54 | 112.51 | 113.6 | 114.7 | 115.8 | 116.9 |
| -2 | 3.956 | 3.898 | 3.841 | 3.785 | 3.730 | | | | | | |
| -1 | 4.258 | 4.196 | 4.135 | 4.075 | 4.016 | 55 | 118.04 | 119.1 | 120.3 | 121.5 | 122.6 |
| | | | | | | 56 | 123.80 | 125.0 | 126.2 | 127.4 | 128.6 |
| 0 | 4.579 | 4.513 | 4.448 | 4.385 | 4.320 | 57 | 129.82 | 131.0 | 132.3 | 133.5 | 134.7 |
| | | | | | | 58 | 136.08 | 137.3 | 138.5 | 139.9 | 141.2 |
| 0 | 4.579 | 4.647 | 4.715 | 4.785 | 4.855 | 59 | 142.60 | 143.9 | 145.2 | 146.6 | 148.0 |
| 1 | 4.926 | 4.998 | 5.070 | 5.144 | 5.219 | | | | | | |
| 2 | 5.294 | 5.370 | 5.447 | 5.525 | 5.605 | 60 | 149.38 | 150.7 | 152.1 | 153.5 | 155.0 |
| 3 | 5.685 | 5.766 | 5.848 | 5.931 | 6.015 | 61 | 156.43 | 157.8 | 159.3 | 160.8 | 162.3 |
| 4 | 6.101 | 6.187 | 6.274 | 6.363 | 6.453 | 62 | 163.77 | 165.2 | 166.8 | 168.3 | 169.8 |
| | | | | | | 63 | 171.38 | 172.9 | 174.5 | 176.1 | 177.7 |
| 5 | 6.543 | 6.635 | 6.728 | 6.822 | 6.917 | 64 | 179.31 | 180.9 | 182.5 | 184.2 | 185.8 |
| 6 | 7.013 | 7.111 | 7.209 | 7.309 | 7.411 | | | | | | |
| 7 | 7.513 | 7.617 | 7.722 | 7.828 | 7.936 | 65 | 187.54 | 189.2 | 190.9 | 192.6 | 194.3 |
| 8 | 8.045 | 8.155 | 8.267 | 8.380 | 8.494 | 66 | 196.09 | 197.8 | 199.5 | 201.3 | 203.1 |
| 9 | 8.609 | 8.727 | 8.845 | 8.965 | 9.086 | 67 | 204.96 | 206.8 | 208.6 | 210.5 | 212.3 |
| | | | | | | 68 | 214.17 | 216.0 | 218.0 | 219.9 | 221.8 |
| 10 | 9.209 | 9.333 | 9.458 | 9.585 | 9.714 | 69 | 223.73 | 225.7 | 227.7 | 229.7 | 231.7 |
| 11 | 9.844 | 9.976 | 10.109 | 10.244 | 10.380 | | | | | | |
| 12 | 10.518 | 10.658 | 10.799 | 10.941 | 11.085 | 70 | 233.7 | 235.7 | 237.7 | 239.7 | 241.8 |
| 13 | 11.231 | 11.379 | 11.528 | 11.680 | 11.833 | 71 | 243.9 | 246.0 | 248.2 | 250.3 | 252.4 |
| 14 | 11.987 | 12.144 | 12.302 | 12.462 | 12.624 | 72 | 254.6 | 256.8 | 259.0 | 261.2 | 263.4 |
| | | | | | | 73 | 265.7 | 268.0 | 270.2 | 272.6 | 274.8 |
| 15 | 12.788 | 12.953 | 13.121 | 13.290 | 13.461 | 74 | 277.2 | 279.4 | 281.8 | 284.2 | 286.6 |
| 16 | 13.634 | 13.809 | 13.987 | 14.166 | 14.347 | 75 | 289.1 | 291.5 | 294.0 | 296.4 | 298.8 |
| 17 | 14.530 | 14.715 | 14.903 | 15.092 | 15.284 | 76 | 301.4 | 303.8 | 306.4 | 308.9 | 311.4 |
| 18 | 15.477 | 15.673 | 15.871 | 16.071 | 16.272 | 77 | 314.1 | 316.6 | 319.2 | 322.0 | 324.6 |
| 19 | 16.477 | 16.685 | 16.894 | 17.105 | 17.319 | 78 | 327.3 | 330.0 | 332.8 | 335.6 | 338.2 |
| | | | | | | 79 | 341.0 | 343.8 | 346.6 | 349.4 | 352.2 |
| 20 | 17.535 | 17.753 | 17.974 | 18.197 | 18.422 | | | | | | |
| 21 | 18.650 | 18.880 | 19.113 | 19.349 | 19.587 | 80 | 355.1 | 358.0 | 361.0 | 363.8 | 366.8 |
| 22 | 19.827 | 20.070 | 20.316 | 20.565 | 20.815 | 81 | 369.7 | 372.6 | 375.6 | 378.8 | 381.8 |
| 23 | 21.068 | 21.324 | 21.583 | 21.845 | 22.110 | 82 | 384.9 | 388.0 | 391.2 | 394.4 | 397.4 |
| 24 | 22.377 | 22.648 | 22.922 | 23.198 | 23.476 | 83 | 400.6 | 403.8 | 407.0 | 410.2 | 413.6 |
| | | | | | | 84 | 416.8 | 420.2 | 423.6 | 426.8 | 430.2 |
| 25 | 23.756 | 24.039 | 24.326 | 24.617 | 24.912 | | | | | | |
| 26 | 25.209 | 25.509 | 25.812 | 26.117 | 26.426 | 85 | 433.6 | 437.0 | 440.4 | 444.0 | 447.5 |
| 27 | 26.739 | 27.055 | 27.374 | 27.696 | 28.021 | 86 | 450.9 | 454.4 | 458.0 | 461.6 | 465.2 |
| 28 | 28.349 | 28.680 | 29.015 | 29.354 | 29.697 | 87 | 468.7 | 472.4 | 476.0 | 479.8 | 483.4 |
| 29 | 30.043 | 30.392 | 30.745 | 31.102 | 31.461 | 88 | 487.1 | 491.0 | 494.7 | 498.5 | 502.2 |
| | | | | | | 89 | 506.1 | 510.0 | 513.9 | 517.8 | 521.8 |
| 30 | 31.824 | 32.191 | 32.561 | 32.934 | 33.312 | 90 | 525.76 | 529.77 | 533.80 | 537.86 | 541.95 |
| 31 | 33.695 | 34.082 | 34.471 | 34.864 | 35.261 | 91 | 546.05 | 550.18 | 554.35 | 558.53 | 562.75 |
| 32 | 35.663 | 36.068 | 36.477 | 36.891 | 37.308 | 92 | 566.99 | 571.26 | 575.55 | 579.87 | 584.22 |
| 33 | 37.729 | 38.155 | 38.584 | 39.018 | 39.457 | 93 | 588.60 | 593.00 | 597.43 | 601.89 | 606.38 |
| 34 | 39.898 | 40.344 | 40.796 | 41.251 | 41.710 | 94 | 610.90 | 615.44 | 620.01 | 624.61 | 629.24 |
| | | | | | | | | | | | |
| 35 | 42.175 | 42.644 | 43.117 | 43.595 | 44.078 | 95 | 633.90 | 638.59 | 643.30 | 648.05 | 652.82 |
| 36 | 44.563 | 45.054 | 45.549 | 46.050 | 46.556 | 96 | 657.62 | 662.45 | 667.31 | 672.20 | 677.12 |
| 37 | 47.067 | 47.582 | 48.102 | 48.627 | 49.157 | 97 | 682.07 | 687.04 | 692.05 | 697.10 | 702.17 |
| 38 | 49.692 | 50.231 | 50.774 | 51.323 | 51.879 | 98 | 707.27 | 712.40 | 717.56 | 722.75 | 727.98 |
| 39 | 52.442 | 53.009 | 53.580 | 54.156 | 54.737 | 99 | 733.24 | 738.53 | 743.85 | 749.20 | 754.58 |
| | | | | | | | | | | | |
| 40 | 55.324 | 55.91 | 56.51 | 57.11 | 57.72 | 100 | 760.00 | 765.45 | 770.93 | 776.44 | 782.00 |
| 41 | 58.34 | 58.96 | 59.58 | 60.22 | 60.86 | 101 | 787.57 | 793.18 | 798.82 | 804.50 | 810.21 |