# VAPOR PRESSURE OF WATER FROM 0 TO 370° C

This table gives the vapor pressure of water at intervals of 1° C from the melting point to the critical point.

## REFERENCE

Haar, L., Gallagher, J.S., and Kell, G.S., *NBS/NRC Steam Tables*, Hemisphere Publishing Corp., New York, 1984.

| *t*/°C | *P*/kPa | *t*/°C | *P*/kPa | *t*/°C | *P*/kPa | *t*/°C | *P*/kPa |
|---|---|---|---|---|---|---|---|
| 0 | 0.61129 | 53 | 14.303 | 106 | 125.03 | 159 | 602.11 |
| 1 | 0.65716 | 54 | 15.012 | 107 | 129.39 | 160 | 617.66 |
| 2 | 0.70605 | 55 | 15.752 | 108 | 133.88 | 161 | 633.53 |
| 3 | 0.75813 | 56 | 16.522 | 109 | 138.50 | 162 | 649.73 |
| 4 | 0.81359 | 57 | 17.324 | 110 | 143.24 | 163 | 666.25 |
| 5 | 0.87260 | 58 | 18.159 | 111 | 148.12 | 164 | 683.10 |
| 6 | 0.93537 | 59 | 19.028 | 112 | 153.13 | 165 | 700.29 |
| 7 | 1.0021 | 60 | 19.932 | 113 | 158.29 | 166 | 717.83 |
| 8 | 1.0730 | 61 | 20.873 | 114 | 163.58 | 167 | 735.70 |
| 9 | 1.1482 | 62 | 21.851 | 115 | 169.02 | 168 | 753.94 |
| 10 | 1.2281 | 63 | 22.868 | 116 | 174.61 | 169 | 772.52 |
| 11 | 1.3129 | 64 | 23.925 | 117 | 180.34 | 170 | 791.47 |
| 12 | 1.4027 | 65 | 25.022 | 118 | 186.23 | 171 | 810.78 |
| 13 | 1.4979 | 66 | 26.163 | 119 | 192.28 | 172 | 830.47 |
| 14 | 1.5988 | 67 | 27.347 | 120 | 198.48 | 173 | 850.53 |
| 15 | 1.7056 | 68 | 28.576 | 121 | 204.85 | 174 | 870.98 |
| 16 | 1.8185 | 69 | 29.852 | 122 | 211.38 | 175 | 891.80 |
| 17 | 1.9380 | 70 | 31.176 | 123 | 218.09 | 176 | 913.03 |
| 18 | 2.0644 | 71 | 32.549 | 124 | 224.96 | 177 | 934.64 |
| 19 | 2.1978 | 72 | 33.972 | 125 | 232.01 | 178 | 956.66 |
| 20 | 2.3388 | 73 | 35.448 | 126 | 239.24 | 179 | 979.09 |
| 21 | 2.4877 | 74 | 36.978 | 127 | 246.66 | 180 | 1001.9 |
| 22 | 2.6447 | 75 | 38.563 | 128 | 254.25 | 181 | 1025.2 |
| 23 | 2.8104 | 76 | 40.205 | 129 | 262.04 | 182 | 1048.9 |
| 24 | 2.9850 | 77 | 41.905 | 130 | 270.02 | 183 | 1073.0 |
| 25 | 3.1690 | 78 | 43.665 | 131 | 278.20 | 184 | 1097.5 |
| 26 | 3.3629 | 79 | 45.487 | 132 | 286.57 | 185 | 1122.5 |
| 27 | 3.5670 | 80 | 47.373 | 133 | 295.15 | 186 | 1147.9 |
| 28 | 3.7818 | 81 | 49.324 | 134 | 303.93 | 187 | 1173.8 |
| 29 | 4.0078 | 82 | 51.342 | 135 | 312.93 | 188 | 1200.1 |
| 30 | 4.2455 | 83 | 53.428 | 136 | 322.14 | 189 | 1226.9 |
| 31 | 4.4953 | 84 | 55.585 | 137 | 331.57 | 190 | 1254.2 |
| 32 | 4.7578 | 85 | 57.815 | 138 | 341.22 | 191 | 1281.9 |
| 33 | 5.0335 | 86 | 60.119 | 139 | 351.09 | 192 | 1310.1 |
| 34 | 5.3229 | 87 | 62.499 | 140 | 361.19 | 193 | 1338.8 |
| 35 | 5.6267 | 88 | 64.958 | 141 | 371.53 | 194 | 1368.0 |
| 36 | 5.9453 | 89 | 67.496 | 142 | 382.11 | 195 | 1397.6 |
| 37 | 6.2795 | 90 | 70.117 | 143 | 392.92 | 196 | 1427.8 |
| 38 | 6.6298 | 91 | 72.823 | 144 | 403.98 | 197 | 1458.5 |
| 39 | 6.9969 | 92 | 75.614 | 145 | 415.29 | 198 | 1489.7 |
| 40 | 7.3814 | 93 | 78.494 | 146 | 426.85 | 199 | 1521.4 |
| 41 | 7.7840 | 94 | 81.465 | 147 | 438.67 | 200 | 1553.6 |
| 42 | 8.2054 | 95 | 84.529 | 148 | 450.75 | 201 | 1586.4 |
| 43 | 8.6463 | 96 | 87.688 | 149 | 463.10 | 202 | 1619.7 |
| 44 | 9.1075 | 97 | 90.945 | 150 | 475.72 | 203 | 1653.6 |
| 45 | 9.5898 | 98 | 94.301 | 151 | 488.61 | 204 | 1688.0 |
| 46 | 10.094 | 99 | 97.759 | 152 | 501.78 | 205 | 1722.9 |
| 47 | 10.620 | 100 | 101.32 | 153 | 515.23 | 206 | 1758.4 |
| 48 | 11.171 | 101 | 104.99 | 154 | 528.96 | 207 | 1794.5 |
| 49 | 11.745 | 102 | 108.77 | 155 | 542.99 | 208 | 1831.1 |
| 50 | 12.344 | 103 | 112.66 | 156 | 557.32 | 209 | 1868.4 |
| 51 | 12.970 | 104 | 116.67 | 157 | 571.94 | 210 | 1906.2 |
| 52 | 13.623 | 105 | 120.79 | 158 | 586.87 | 211 | 1944.6 |

## VAPOR PRESSURE OF WATER FROM 0 TO 370° C (continued)

| *t*/°C | *P*/kPa | *t*/°C | *P*/kPa | *t*/°C | *P*/kPa | *t*/°C | *P*/kPa |
|---|---|---|---|---|---|---|---|
| 212 | 1983.6 | 253 | 4178.9 | 294 | 7881.3 | 335 | 13701 |
| 213 | 2023.2 | 254 | 4249.1 | 295 | 7995.2 | 336 | 13876 |
| 214 | 2063.4 | 255 | 4320.2 | 296 | 8110.3 | 337 | 14053 |
| 215 | 2104.2 | 256 | 4392.2 | 297 | 8226.8 | 338 | 14232 |
| 216 | 2145.7 | 257 | 4465.1 | 298 | 8344.5 | 339 | 14412 |
| 217 | 2187.8 | 258 | 4539.0 | 299 | 8463.5 | 340 | 14594 |
| 218 | 2230.5 | 259 | 4613.7 | 300 | 8583.8 | 341 | 14778 |
| 219 | 2273.8 | 260 | 4689.4 | 301 | 8705.4 | 342 | 14964 |
| 220 | 2317.8 | 261 | 4766.1 | 302 | 8828.3 | 343 | 15152 |
| 221 | 2362.5 | 262 | 4843.7 | 303 | 8952.6 | 344 | 15342 |
| 222 | 2407.8 | 263 | 4922.3 | 304 | 9078.2 | 345 | 15533 |
| 223 | 2453.8 | 264 | 5001.8 | 305 | 9205.1 | 346 | 15727 |
| 224 | 2500.5 | 265 | 5082.3 | 306 | 9333.4 | 347 | 15922 |
| 225 | 2547.9 | 266 | 5163.8 | 307 | 9463.1 | 348 | 16120 |
| 226 | 2595.9 | 267 | 5246.3 | 308 | 9594.2 | 349 | 16320 |
| 227 | 2644.6 | 268 | 5329.8 | 309 | 9726.7 | 350 | 16521 |
| 228 | 2694.1 | 269 | 5414.3 | 310 | 9860.5 | 351 | 16725 |
| 229 | 2744.2 | 270 | 5499.9 | 311 | 9995.8 | 352 | 16931 |
| 230 | 2795.1 | 271 | 5586.4 | 312 | 10133 | 353 | 17138 |
| 231 | 2846.7 | 272 | 5674.0 | 313 | 10271 | 354 | 17348 |
| 232 | 2899.0 | 273 | 5762.7 | 314 | 10410 | 355 | 17561 |
| 233 | 2952.1 | 274 | 5852.4 | 315 | 10551 | 356 | 17775 |
| 234 | 3005.9 | 275 | 5943.1 | 316 | 10694 | 357 | 17992 |
| 235 | 3060.4 | 276 | 6035.0 | 317 | 10838 | 358 | 18211 |
| 236 | 3115.7 | 277 | 6127.9 | 318 | 10984 | 359 | 18432 |
| 237 | 3171.8 | 278 | 6221.9 | 319 | 11131 | 360 | 18655 |
| 238 | 3228.6 | 279 | 6317.0 | 320 | 11279 | 361 | 18881 |
| 239 | 3286.3 | 280 | 6413.2 | 321 | 11429 | 362 | 19110 |
| 240 | 3344.7 | 281 | 6510.5 | 322 | 11581 | 363 | 19340 |
| 241 | 3403.9 | 282 | 6608.9 | 323 | 11734 | 364 | 19574 |
| 242 | 3463.9 | 283 | 6708.5 | 324 | 11889 | 365 | 19809 |
| 243 | 3524.7 | 284 | 6809.2 | 325 | 12046 | 366 | 20048 |
| 244 | 3586.3 | 285 | 6911.1 | 326 | 12204 | 367 | 20289 |
| 245 | 3648.8 | 286 | 7014.1 | 327 | 12364 | 368 | 20533 |
| 246 | 3712.1 | 287 | 7118.3 | 328 | 12525 | 369 | 20780 |
| 247 | 3776.2 | 288 | 7223.7 | 329 | 12688 | 370 | 21030 |
| 248 | 3841.2 | 289 | 7330.2 | 330 | 12852 | 371 | 21283 |
| 249 | 3907.0 | 290 | 7438.0 | 331 | 13019 | 372 | 21539 |
| 250 | 3973.6 | 291 | 7547.0 | 332 | 13187 | 373 | 21799 |
| 251 | 4041.2 | 292 | 7657.2 | 333 | 13357 | 373.98 | 22055 |
| 252 | 4109.6 | 293 | 7768.6 | 334 | 13528 | | |