

# 蒸気表



| ゲージ圧力 | 絶対圧力     | 飽和温度    | 水の比エンタルピー                  | 蒸発の比エンタルピー                  | 蒸気の比エンタルピー                 | 比重                | 比容積 (v <sub>g</sub> ) | 水の比エントロピー                   | 蒸発の比エントロ                        | 蒸気の比エントロ                       | 蒸気の比熱                       | 蒸気の比熱                       | 音速      | 蒸気の動粘度       | 等エントロピー係数 | 蒸気の      |
|-------|----------|---------|----------------------------|-----------------------------|----------------------------|-------------------|-----------------------|-----------------------------|---------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|--------------|-----------|----------|
| MPa g | Mpa A    | °C      | (h <sub>f</sub> )<br>kJ/kg | (h <sub>fg</sub> )<br>kJ/kg | (h <sub>g</sub> )<br>kJ/kg | kg/m <sup>3</sup> | m <sup>3</sup> /kg    | (s <sub>f</sub> )<br>J/kg K | ピー (s <sub>fg</sub> )<br>J/kg K | ピー (s <sub>g</sub> )<br>J/kg K | (c <sub>v</sub> )<br>J/kg K | (c <sub>p</sub> )<br>J/kg K | m/s     | Pa s         | (k)       | 圧縮率      |
| 0     | 0.101325 | 99.9743 | 419                        | 2,256                       | 2,675                      | 0.597657          | 1.6732                | 1307.05                     | 6047.51                         | 7354.56                        | 1555.76                     | 2079.94                     | 472.182 | 0.0000122683 | 1.31508   | 0.984515 |
| 0.1   | 0.2      | 120.419 | 505                        | 2,201                       | 2,706                      | 1.13607           | 0.880224              | 1532.56                     | 5592.27                         | 7124.82                        | 1619.17                     | 2179.36                     | 481.917 | 0.0000129706 | 1.31058   | 0.975621 |
| 0.2   | 0.3      | 133.673 | 562                        | 2,163                       | 2,725                      | 1.65766           | 0.603261              | 1673.42                     | 5316.85                         | 6990.28                        | 1671.73                     | 2264.11                     | 487.426 | 0.0000134281 | 1.30715   | 0.968159 |
| 0.3   | 0.4      | 143.728 | 605                        | 2,133                       | 2,738                      | 2.16944           | 0.460948              | 1777.81                     | 5116.7                          | 6894.51                        | 1718.03                     | 2340.56                     | 491.15  | 0.0000137754 | 1.30431   | 0.961503 |
| 0.4   | 0.5      | 151.931 | 640                        | 2,108                       | 2,748                      | 2.67471           | 0.373872              | 1861.52                     | 4958.38                         | 6819.9                         | 1759.88                     | 2411.21                     | 493.883 | 0.0000140585 | 1.30188   | 0.955394 |
| 0.5   | 0.6      | 158.913 | 670                        | 2,085                       | 2,756                      | 3.17535           | 0.314926              | 1931.82                     | 4826.82                         | 6758.63                        | 1798.25                     | 2477.43                     | 495.986 | 0.0000142993 | 1.29974   | 0.949691 |
| 0.6   | 0.7      | 165.022 | 697                        | 2,066                       | 2,762                      | 3.67259           | 0.272287              | 1992.66                     | 4713.89                         | 6706.55                        | 1833.8                      | 2540.08                     | 497.654 | 0.0000145099 | 1.29784   | 0.944305 |
| 0.7   | 0.8      | 170.475 | 721                        | 2,047                       | 2,768                      | 4.16731           | 0.239963              | 2046.46                     | 4614.72                         | 6661.18                        | 1866.98                     | 2599.79                     | 499.003 | 0.0000146976 | 1.29614   | 0.939178 |
| 0.8   | 0.9      | 175.413 | 742                        | 2,030                       | 2,773                      | 4.66013           | 0.214586              | 2094.79                     | 4526.13                         | 6620.92                        | 1898.12                     | 2657                        | 500.111 | 0.0000148676 | 1.29459   | 0.934267 |
| 0.9   | 1.0      | 179.936 | 762                        | 2,014                       | 2,777                      | 5.15155           | 0.194117              | 2138.75                     | 4445.94                         | 6584.69                        | 1927.51                     | 2712.09                     | 501.027 | 0.0000150233 | 1.29318   | 0.929541 |
| 1     | 1.1      | 184.115 | 781                        | 1,999                       | 2,780                      | 5.64194           | 0.177244              | 2179.14                     | 4372.58                         | 6551.71                        | 1955.36                     | 2765.35                     | 501.79  | 0.0000151671 | 1.29188   | 0.924976 |
| 1.1   | 1.2      | 188.007 | 798                        | 1,985                       | 2,783                      | 6.13163           | 0.163089              | 2216.53                     | 4304.89                         | 6521.42                        | 1981.84                     | 2817.01                     | 502.426 | 0.0000153011 | 1.29069   | 0.920551 |
| 1.2   | 1.3      | 191.652 | 814                        | 1,972                       | 2,786                      | 6.62087           | 0.151038              | 2251.39                     | 4241.99                         | 6493.39                        | 2007.11                     | 2867.27                     | 502.956 | 0.0000154267 | 1.28959   | 0.916252 |
| 1.3   | 1.4      | 195.084 | 830                        | 1,959                       | 2,788                      | 7.10988           | 0.140649              | 2284.07                     | 4183.19                         | 6467.27                        | 2031.3                      | 2916.3                      | 503.396 | 0.0000155450 | 1.28858   | 0.912064 |
| 1.4   | 1.5      | 198.329 | 844                        | 1,946                       | 2,790                      | 7.59886           | 0.131599              | 2314.86                     | 4127.94                         | 6442.8                         | 2054.51                     | 2964.25                     | 503.758 | 0.0000156571 | 1.28764   | 0.907979 |
| 1.5   | 1.6      | 201.41  | 858                        | 1,934                       | 2,792                      | 8.08796           | 0.123641              | 2343.98                     | 4075.78                         | 6419.76                        | 2076.83                     | 3011.24                     | 504.053 | 0.0000157635 | 1.28677   | 0.903985 |
| 1.6   | 1.7      | 204.345 | 871                        | 1,923                       | 2,794                      | 8.57732           | 0.116587              | 2371.63                     | 4026.36                         | 6397.99                        | 2098.35                     | 3057.38                     | 504.288 | 0.0000158651 | 1.28596   | 0.900075 |
| 1.7   | 1.8      | 207.148 | 884                        | 1,911                       | 2,795                      | 9.06707           | 0.110289              | 2397.96                     | 3979.37                         | 6377.33                        | 2119.13                     | 3102.77                     | 504.471 | 0.0000159623 | 1.28521   | 0.896243 |
| 1.8   | 1.9      | 209.833 | 896                        | 1,900                       | 2,797                      | 9.55733           | 0.104632              | 2423.11                     | 3934.56                         | 6357.67                        | 2139.25                     | 3147.5                      | 504.608 | 0.0000160556 | 1.28451   | 0.892482 |
| 1.9   | 2.0      | 212.411 | 908                        | 1,890                       | 2,798                      | 10.0482           | 0.0995204             | 2447.19                     | 3891.7                          | 6338.89                        | 2158.75                     | 3191.63                     | 504.702 | 0.0000161453 | 1.28387   | 0.888788 |
| 2     | 2.1      | 214.89  | 920                        | 1,879                       | 2,799                      | 10.5397           | 0.0948791             | 2470.31                     | 3850.61                         | 6320.92                        | 2177.68                     | 3235.23                     | 504.759 | 0.0000162318 | 1.28328   | 0.885155 |
| 2.1   | 2.2      | 217.28  | 931                        | 1,869                       | 2,800                      | 11.0321           | 0.0906448             | 2492.55                     | 3811.13                         | 6303.68                        | 2196.09                     | 3278.37                     | 504.782 | 0.0000163154 | 1.28273   | 0.881579 |
| 2.2   | 2.3      | 219.587 | 941                        | 1,859                       | 2,800                      | 11.5253           | 0.0867659             | 2513.97                     | 3773.13                         | 6287.1                         | 2214.01                     | 3321.1                      | 504.773 | 0.0000163963 | 1.28223   | 0.878057 |
| 2.3   | 2.4      | 221.818 | 951                        | 1,849                       | 2,801                      | 12.0194           | 0.0831988             | 2534.65                     | 3736.47                         | 6271.12                        | 2231.48                     | 3363.47                     | 504.736 | 0.0000164747 | 1.28176   | 0.874586 |
| 2.4   | 2.5      | 223.978 | 962                        | 1,840                       | 2,801                      | 12.5145           | 0.0799072             | 2554.64                     | 3701.06                         | 6255.7                         | 2248.54                     | 3405.53                     | 504.673 | 0.0000165509 | 1.28135   | 0.871161 |
| 2.5   | 2.6      | 226.073 | 971                        | 1,831                       | 2,802                      | 13.0107           | 0.0768598             | 2574                        | 3666.79                         | 6240.79                        | 2265.2                      | 3447.32                     | 504.585 | 0.0000166250 | 1.28097   | 0.867782 |
| 2.6   | 2.7      | 228.106 | 981                        | 1,821                       | 2,802                      | 13.508            | 0.0740301             | 2592.77                     | 3633.59                         | 6226.35                        | 2281.5                      | 3488.87                     | 504.475 | 0.0000166972 | 1.28063   | 0.864444 |
| 2.7   | 2.8      | 230.083 | 990                        | 1,812                       | 2,802                      | 14.0065           | 0.0713955             | 2610.98                     | 3601.37                         | 6212.35                        | 2297.46                     | 3530.22                     | 504.344 | 0.0000167675 | 1.28032   | 0.861146 |
| 2.8   | 2.9      | 232.005 | 999                        | 1,803                       | 2,803                      | 14.5062           | 0.0689361             | 2628.68                     | 3570.07                         | 6198.76                        | 2313.11                     | 3571.41                     | 504.194 | 0.0000168363 | 1.28006   | 0.857886 |
| 2.9   | 3.0      | 233.878 | 1,008                      | 1,795                       | 2,803                      | 15.0072           | 0.0666348             | 2645.9                      | 3539.64                         | 6185.54                        | 2328.45                     | 3612.46                     | 504.025 | 0.0000169034 | 1.27983   | 0.854661 |
| 3     | 3.1      | 235.703 | 1,017                      | 1,786                       | 2,803                      | 15.5095           | 0.0644768             | 2662.67                     | 3510                            | 6172.67                        | 2343.51                     | 3653.4                      | 503.839 | 0.0000169691 | 1.27964   | 0.851471 |
| 3.1   | 3.2      | 237.483 | 1,025                      | 1,778                       | 2,803                      | 16.0131           | 0.0624487             | 2679.02                     | 3481.12                         | 6160.14                        | 2358.31                     | 3694.26                     | 503.638 | 0.0000170335 | 1.27948   | 0.848313 |
| 3.2   | 3.3      | 239.221 | 1,033                      | 1,769                       | 2,803                      | 16.5182           | 0.0605392             | 2694.96                     | 3452.95                         | 6147.91                        | 2372.86                     | 3735.06                     | 503.421 | 0.0000170966 | 1.27935   | 0.845185 |
| 3.3   | 3.4      | 240.919 | 1,041                      | 1,761                       | 2,802                      | 17.0248           | 0.058738              | 2710.53                     | 3425.44                         | 6135.97                        | 2387.17                     | 3775.83                     | 503.19  | 0.0000171585 | 1.27927   | 0.842087 |
| 3.4   | 3.5      | 242.579 | 1,049                      | 1,753                       | 2,802                      | 17.5328           | 0.0570358             | 2725.74                     | 3398.57                         | 6124.31                        | 2401.26                     | 3816.59                     | 502.946 | 0.0000172193 | 1.27921   | 0.839017 |
| 3.5   | 3.6      | 244.203 | 1,057                      | 1,745                       | 2,802                      | 18.0424           | 0.055425              | 2740.61                     | 3372.29                         | 6112.9                         | 2415.14                     | 3857.35                     | 502.689 | 0.0000172790 | 1.27919   | 0.835974 |
| 3.6   | 3.7      | 245.793 | 1,065                      | 1,737                       | 2,802                      | 18.5536           | 0.053898              | 2755.17                     | 3346.57                         | 6101.73                        | 2428.82                     | 3898.14                     | 502.42  | 0.0000173378 | 1.27921   | 0.832956 |
| 3.7   | 3.8      | 247.351 | 1,072                      | 1,729                       | 2,801                      | 19.0663           | 0.0524485             | 2769.42                     | 3321.38                         | 6090.8                         | 2442.31                     | 3938.98                     | 502.139 | 0.0000173956 | 1.27925   | 0.829963 |
| 3.8   | 3.9      | 248.877 | 1,080                      | 1,721                       | 2,801                      | 19.5807           | 0.0510706             | 2783.38                     | 3296.69                         | 6080.08                        | 2455.62                     | 3979.88                     | 501.848 | 0.0000174525 | 1.27934   | 0.826993 |
| 3.9   | 4.0      | 250.374 | 1,087                      | 1,713                       | 2,800                      | 20.0968           | 0.0497591             | 2797.07                     | 3272.49                         | 6069.56                        | 2468.76                     | 4020.87                     | 501.546 | 0.0000175086 | 1.27945   | 0.824046 |