

| | Temperature (K) | Pressure (kPa) | Liquid Density (kg/m ³) | Vapor Density (kg/m ³) | Liquid Enthalpy (kJ/kg) | Vapor Enthalpy (kJ/kg) | Liquid Entropy (kJ/kg-K) | Vapor Entropy (kJ/kg-K) |
|------|--------------------|-------------------|---|--|-------------------------------|------------------------------|--------------------------------|-------------------------------|
| trip | 169.85 | 0.389563788 | 1591.10745 | 0.028172288 | 71.4550033 | 334.942043 | 0.41261697 | 1.96390952 |
| | 170 | 0.396167895 | 1590.71189 | 0.0286249 | 71.6325791 | 335.028426 | 0.41366197 | 1.9630493 |
| | 180 | 1.12750069 | 1564.23143 | 0.077014648 | 83.4829131 | 340.880127 | 0.48139304 | 1.91137756 |
| | 190 | 2.81703827 | 1537.50228 | 0.18259427 | 95.3911669 | 346.899235 | 0.545769855 | 1.86949653 |
| | 200 | 6.31295513 | 1510.46701 | 0.389773454 | 107.394258 | 353.057812 | 0.607323535 | 1.8356413 |
| | 210 | 12.9100596 | 1483.05753 | 0.762221957 | 119.517332 | 359.321649 | 0.666448158 | 1.80837348 |
| | 220 | 24.4326396 | 1455.19404 | 1.38500999 | 131.77954 | 365.651344 | 0.723452866 | 1.78650652 |
| | 230 | 43.2870409 | 1426.78312 | 2.36595482 | 144.197531 | 372.004116 | 0.778592223 | 1.76905564 |
| | 240 | 72.480858 | 1397.71472 | 3.83673774 | 156.787676 | 378.335668 | 0.832084761 | 1.75520139 |
| NBP | 247.076169 | 101.325 | 1376.67781 | 5.25805486 | 165.81022 | 382.778825 | 0.869048811 | 1.74719341 |
| | 250 | 115.612229 | 1367.85792 | 5.95455194 | 169.567624 | 384.601366 | 0.884125049 | 1.74426002 |
| | 260 | 176.837082 | 1337.05486 | 8.90516485 | 182.557571 | 390.756349 | 0.93489226 | 1.73565679 |
| | 270 | 260.824211 | 1305.11206 | 12.9084627 | 195.781502 | 396.754399 | 0.984557046 | 1.72890111 |
| IIR | 273.15 | 292.803182 | 1294.77702 | 14.4282014 | 200 | 398.603465 | 1 | 1.72708572 |
| | 280 | 372.7084 | 1271.7879 | 18.2279505 | 209.268675 | 402.545604 | 1.03328794 | 1.72356269 |
| | 290 | 518.051437 | 1236.77398 | 25.1865492 | 223.055634 | 408.072705 | 1.0812584 | 1.7192483 |
| | 298.15 | 665.380933 | 1206.71165 | 32.3499564 | 234.545789 | 412.333965 | 1.11992114 | 1.71622561 |
| | 300 | 702.820647 | 1199.66644 | 34.1928366 | 237.189196 | 413.265696 | 1.12865571 | 1.71557738 |
| | 310 | 933.395721 | 1159.92003 | 45.7857498 | 251.731203 | 418.033527 | 1.17569399 | 1.7121531 |
| | 320 | 1216.61892 | 1116.76974 | 60.7145993 | 266.766619 | 422.250265 | 1.22263511 | 1.7085215 |
| | 330 | 1559.91501 | 1069.08382 | 80.0935435 | 282.418634 | 425.729573 | 1.26982706 | 1.70410263 |
| | 340 | 1971.53534 | 1015.04638 | 105.734304 | 298.880819 | 428.17136 | 1.31778558 | 1.69805187 |
| | 350 | 2461.05455 | 951.319012 | 140.990426 | 316.499886 | 429.029614 | 1.3674062 | 1.68891971 |
| | 360 | 3040.48973 | 870.114332 | 193.583903 | 336.059505 | 427.07936 | 1.42069926 | 1.67353219 |
| | 370 | 3727.81006 | 740.319974 | 293.898794 | 360.642217 | 417.680348 | 1.48567042 | 1.63982753 |
| crit | 374.21 | 4059.11154 | 511.899952 | 511.899952 | 389.638881 | 389.638881 | 1.56209908 | 1.56209908 |

| Temperature (K) | Pressure (kPa) | Density (kg/m³) | Enthalpy (kJ/kg) | Entropy (kJ/kg-K) | Cv (kJ/kg-K) | Cp (kJ/kg-K) | Sound Speed (m/s) | Quality (kg/kg) | Helmholtz (kJ/kg) |
|--------------------|-------------------|--------------------|---------------------|----------------------|-----------------|-----------------|----------------------|--------------------|----------------------|
| 169.85 | 0.389563788 | 1591.10745 | 71.4550033 | 0.41261697 | 0.79220813 | 1.18381734 | 1119.9623 | 0 | 1.37176612 |
| 169.85 | 0.389563789 | 0.028172288 | 334.942043 | 1.96390952 | 0.50295743 | 0.58529859 | 126.793614 | 1 | -12.4558963 |
| 374.21 | 4059.11154 | 511.899952 | 389.638881 | 1.56209908 | 1.24202191 | -32873.1026 | 89.8743183 | Superheated | -202.843718 |
| 298.15 | 24.178493 | 1 | 425.924795 | 2.02079339 | 0.75388776 | 0.83749992 | 163.492398 | Superheated | -200.753247 |
| 298.15 | 95.3098579 | 4 | 424.636099 | 1.90586075 | 0.75983977 | 0.85013019 | 161.667779 | Superheated | -167.423748 |
| 298.15 | 101.325 | 4.2578222 | 424.525456 | 1.90060175 | 0.76035633 | 0.85124379 | 161.510926 | Superheated | -165.936332 |
| 298.15 | 500 | 23.1252314 | 416.3988 | 1.75011031 | 0.80522352 | 0.9544096 | 149.975112 | Superheated | -127.017994 |
| 298.15 | 659.460322 | 32 | 412.490088 | 1.71736644 | 0.83537146 | 1.02822335 | 144.474621 | Superheated | -120.150851 |
| 298.15 | 665 | 32.3273904 | 412.344038 | 1.7162989 | 0.83664594 | 1.03142134 | 144.270324 | Superheated | -119.941271 |
| 298.15 | 665.380933 | 32.3499564 | 412.333965 | 1.71622561 | 0.83673425 | 1.0316432 | 144.256239 | 1 | -119.926917 |
| 298.15 | 665.380933 | 33 | 408.73537 | 1.70415586 | Not calculated | Undefined | Undefined | 0.979759083 | -119.521759 |
| 298.15 | 665.380933 | 63.0106995 | 323.439877 | 1.41807338 | Not calculated | Undefined | Undefined | 0.5 | -109.918509 |
| 298.15 | 665.380933 | 1200 | 234.573181 | 1.12001302 | Not calculated | Undefined | Undefined | 0.000154071 | -99.9131841 |
| 298.15 | 665.380933 | 1206.71165 | 234.545789 | 1.11992114 | 0.91186418 | 1.42461098 | 506.470808 | 0 | -99.9101001 |
| 298.15 | 666 | 1206.71542 | 234.545807 | 1.11991948 | 0.91186368 | 1.42460363 | 506.477984 | Subcooled | -99.9100984 |
| 298.15 | 712.784173 | 1207 | 234.5472 | 1.11979414 | 0.91182648 | 1.42405001 | 507.019662 | Subcooled | -99.9099637 |
| 298.15 | 1000 | 1208.73178 | 234.557155 | 1.11902998 | 0.91160452 | 1.4207165 | 510.317348 | Subcooled | -99.9089476 |
| 298.15 | 1213.08879 | 1210 | 234.566067 | 1.1184689 | 0.91144674 | 1.41831334 | 512.733822 | Subcooled | -99.9079883 |
| 455 | 1.00E-09 | 2.69706E-11 | 577.754678 | 4.37433313 | 1.00890913 | 1.09039798 | 200.180286 | Superheated | -1449.64432 |
| 455 | 70000 | 1122.22153 | 464.46006 | 1.57630241 | 1.09647499 | 1.39730268 | 622.865523 | Undefined | -315.133811 |