

mc-34

| | Temp [C] | Pressure (L) [psia] | Pressure (V) [psia] | Density (L) [kg/m ³] | Density (V) [kg/m ³] | Enthalpy (L) [kJ/kg] | Enthalpy (V) [kJ/kg] |
|----|-------------|------------------------|------------------------|-------------------------------------|-------------------------------------|-------------------------|-------------------------|
| 1 | -40.00 | 11.35 | 6.973 | 599.4 | 1.251 | 107.9 | 521.2 |
| 2 | -35.00 | 14.08 | 8.897 | 593.8 | 1.570 | 119.0 | 527.6 |
| 3 | -30.00 | 17.30 | 11.22 | 588.2 | 1.948 | 130.1 | 534.0 |
| 4 | -25.00 | 21.05 | 13.99 | 582.5 | 2.394 | 141.4 | 540.4 |
| 5 | -20.00 | 25.40 | 17.28 | 576.7 | 2.914 | 152.9 | 546.8 |
| 6 | -15.00 | 30.41 | 21.13 | 570.9 | 3.518 | 164.4 | 553.2 |
| 7 | -10.00 | 36.13 | 25.62 | 564.9 | 4.214 | 176.1 | 559.6 |
| 8 | -5.000 | 42.63 | 30.80 | 558.8 | 5.012 | 188.0 | 565.9 |
| 9 | 0.0 | 49.97 | 36.74 | 552.6 | 5.922 | 200.0 | 572.3 |
| 10 | 5.000 | 58.21 | 43.52 | 546.3 | 6.955 | 212.2 | 578.6 |
| 11 | 10.00 | 67.42 | 51.21 | 539.8 | 8.122 | 224.5 | 584.9 |
| 12 | 15.00 | 77.67 | 59.88 | 533.2 | 9.438 | 237.0 | 591.1 |
| 13 | 20.00 | 89.02 | 69.60 | 526.4 | 10.92 | 249.8 | 597.3 |
| 14 | 25.00 | 101.5 | 80.46 | 519.4 | 12.57 | 262.7 | 603.3 |
| 15 | 30.00 | 115.3 | 92.53 | 512.3 | 14.43 | 275.8 | 609.4 |
| 16 | 35.00 | 130.4 | 105.9 | 504.9 | 16.50 | 289.1 | 615.3 |
| 17 | 40.00 | 146.8 | 120.7 | 497.2 | 18.81 | 302.7 | 621.0 |
| 18 | 45.00 | 164.8 | 136.9 | 489.3 | 21.39 | 316.5 | 626.7 |
| 19 | 50.00 | 184.2 | 154.7 | 481.0 | 24.28 | 330.6 | 632.1 |
| 20 | 55.00 | 205.2 | 174.2 | 472.4 | 27.51 | 345.0 | 637.4 |
| 21 | 60.00 | 227.9 | 195.4 | 463.4 | 31.13 | 359.6 | 642.4 |
| 22 | 65.00 | 252.4 | 218.5 | 453.9 | 35.20 | 374.7 | 647.2 |
| 23 | 70.00 | 278.7 | 243.6 | 443.9 | 39.80 | 390.1 | 651.5 |
| 24 | 75.00 | 307.0 | 270.9 | 433.3 | 45.02 | 405.9 | 655.5 |
| 25 | 80.00 | 337.2 | 300.5 | 421.9 | 51.01 | 422.2 | 659.0 |

| | Entropy (L) [kJ/K-kg] | Entropy (V) [kJ/K-kg] | Cv (L) [kJ/K-kg] | Cv (V) [kJ/K-kg] | Cp (L) [kJ/K-kg] | Cp (V) [kJ/K-kg] |
|----|--------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|
| 1 | 0.6378 | 2.456 | 1.482 | 1.240 | 2.195 | 1.429 |
| 2 | 0.6845 | 2.443 | 1.496 | 1.264 | 2.218 | 1.456 |
| 3 | 0.7308 | 2.431 | 1.510 | 1.288 | 2.242 | 1.484 |
| 4 | 0.7766 | 2.421 | 1.524 | 1.312 | 2.267 | 1.514 |
| 5 | 0.8220 | 2.413 | 1.540 | 1.337 | 2.294 | 1.544 |
| 6 | 0.8670 | 2.405 | 1.555 | 1.363 | 2.321 | 1.576 |
| 7 | 0.9116 | 2.399 | 1.572 | 1.389 | 2.350 | 1.609 |
| 8 | 0.9560 | 2.394 | 1.588 | 1.415 | 2.380 | 1.643 |
| 9 | 1.000 | 2.390 | 1.606 | 1.442 | 2.411 | 1.679 |
| 10 | 1.044 | 2.386 | 1.623 | 1.470 | 2.444 | 1.716 |
| 11 | 1.087 | 2.383 | 1.641 | 1.497 | 2.479 | 1.755 |
| 12 | 1.131 | 2.381 | 1.660 | 1.525 | 2.516 | 1.796 |
| 13 | 1.174 | 2.380 | 1.679 | 1.554 | 2.555 | 1.839 |
| 14 | 1.217 | 2.379 | 1.698 | 1.583 | 2.596 | 1.884 |
| 15 | 1.260 | 2.378 | 1.718 | 1.612 | 2.641 | 1.932 |
| 16 | 1.303 | 2.378 | 1.738 | 1.642 | 2.688 | 1.984 |
| 17 | 1.346 | 2.378 | 1.759 | 1.672 | 2.740 | 2.039 |
| 18 | 1.389 | 2.378 | 1.780 | 1.703 | 2.796 | 2.099 |
| 19 | 1.432 | 2.378 | 1.801 | 1.734 | 2.857 | 2.164 |
| 20 | 1.475 | 2.379 | 1.824 | 1.766 | 2.925 | 2.237 |
| 21 | 1.519 | 2.379 | 1.846 | 1.798 | 3.002 | 2.318 |
| 22 | 1.562 | 2.379 | 1.869 | 1.831 | 3.089 | 2.411 |
| 23 | 1.606 | 2.378 | 1.893 | 1.865 | 3.191 | 2.519 |
| 24 | 1.651 | 2.376 | 1.918 | 1.900 | 3.312 | 2.648 |
| 25 | 1.696 | 2.374 | 1.944 | 1.936 | 3.460 | 2.807 |