

| T °C | p Bar | v_l dm ³ /kg | v_g m ³ /kg | h_l kJ/kg | h_g kJ/kg | R kJ/kg | s_l kJ/(kg K) | s_g kJ/(kg K) |
|---------|----------|------------------------------|-----------------------------|----------------|----------------|------------|--------------------|--------------------|
| -169,00 | 0,522 | 2,3079 | 1,01115 | 133,51 | 657,00 | 523,49 | 0,4180 | 5,4442 |
| -168,00 | 0,574 | 2,3153 | 0,92736 | 136,93 | 658,79 | 521,87 | 0,4505 | 5,4135 |
| -167,00 | 0,629 | 2,3229 | 0,85199 | 140,35 | 660,57 | 520,23 | 0,4827 | 5,3836 |
| -166,00 | 0,689 | 2,3306 | 0,78405 | 143,78 | 662,34 | 518,56 | 0,5148 | 5,3543 |
| -165,00 | 0,753 | 2,3384 | 0,72271 | 147,22 | 664,09 | 516,87 | 0,5466 | 5,3258 |
| -164,00 | 0,822 | 2,3462 | 0,66721 | 150,67 | 665,82 | 515,15 | 0,5782 | 5,2978 |
| -163,00 | 0,895 | 2,3541 | 0,61690 | 154,12 | 667,53 | 513,41 | 0,6095 | 5,2705 |
| -162,00 | 0,974 | 2,3622 | 0,57123 | 157,59 | 669,23 | 511,64 | 0,6407 | 5,2438 |
| -161,00 | 1,057 | 2,3703 | 0,52969 | 161,07 | 670,91 | 509,84 | 0,6717 | 5,2177 |
| -160,00 | 1,146 | 2,3786 | 0,49184 | 164,56 | 672,57 | 508,01 | 0,7024 | 5,1922 |
| -159,00 | 1,241 | 2,3869 | 0,45730 | 168,05 | 674,21 | 506,16 | 0,7330 | 5,1671 |
| -158,00 | 1,341 | 2,3954 | 0,42574 | 171,56 | 675,83 | 504,27 | 0,7634 | 5,1426 |
| -157,00 | 1,448 | 2,4040 | 0,39684 | 175,08 | 677,43 | 502,35 | 0,7936 | 5,1186 |
| -156,00 | 1,561 | 2,4127 | 0,37036 | 178,60 | 679,01 | 500,40 | 0,8236 | 5,0950 |
| -155,00 | 1,680 | 2,4215 | 0,34604 | 182,14 | 680,56 | 498,42 | 0,8534 | 5,0720 |
| -154,00 | 1,806 | 2,4304 | 0,32368 | 185,69 | 682,10 | 496,41 | 0,8831 | 5,0493 |
| -153,00 | 1,939 | 2,4395 | 0,30310 | 189,25 | 683,61 | 494,36 | 0,9125 | 5,0271 |
| -152,00 | 2,080 | 2,4487 | 0,28413 | 192,82 | 685,10 | 492,28 | 0,9418 | 5,0052 |
| -151,00 | 2,228 | 2,4580 | 0,26661 | 196,40 | 686,56 | 490,16 | 0,9710 | 4,9838 |
| -150,00 | 2,384 | 2,4674 | 0,25042 | 200,00 | 688,00 | 488,00 | 1,0000 | 4,9627 |
| -149,00 | 2,548 | 2,4770 | 0,23545 | 203,61 | 689,42 | 485,81 | 1,0288 | 4,9419 |
| -148,00 | 2,720 | 2,4867 | 0,22157 | 207,23 | 690,81 | 483,58 | 1,0575 | 4,9215 |
| -147,00 | 2,901 | 2,4966 | 0,20869 | 210,86 | 692,17 | 481,31 | 1,0861 | 4,9015 |
| -146,00 | 3,090 | 2,5067 | 0,19674 | 214,51 | 693,50 | 479,00 | 1,1145 | 4,8817 |
| -145,00 | 3,289 | 2,5168 | 0,18562 | 218,17 | 694,81 | 476,65 | 1,1428 | 4,8622 |
| -144,00 | 3,496 | 2,5272 | 0,17528 | 221,84 | 696,09 | 474,25 | 1,1709 | 4,8430 |
| -143,00 | 3,714 | 2,5377 | 0,16564 | 225,53 | 697,34 | 471,81 | 1,1989 | 4,8241 |
| -142,00 | 3,941 | 2,5484 | 0,15665 | 229,23 | 698,56 | 469,33 | 1,2268 | 4,8054 |
| -141,00 | 4,178 | 2,5593 | 0,14825 | 232,95 | 699,75 | 466,80 | 1,2546 | 4,7870 |
| -140,00 | 4,426 | 2,5703 | 0,14041 | 236,68 | 700,91 | 464,23 | 1,2823 | 4,7688 |
| -139,00 | 4,684 | 2,5816 | 0,13307 | 240,43 | 702,03 | 461,60 | 1,3098 | 4,7508 |
| -138,00 | 4,953 | 2,5930 | 0,12619 | 244,19 | 703,12 | 458,93 | 1,3372 | 4,7330 |
| -137,00 | 5,234 | 2,6047 | 0,11975 | 247,97 | 704,18 | 456,21 | 1,3646 | 4,7154 |
| -136,00 | 5,526 | 2,6165 | 0,11371 | 251,77 | 705,20 | 453,43 | 1,3918 | 4,6979 |
| -135,00 | 5,829 | 2,6286 | 0,10804 | 255,59 | 706,19 | 450,60 | 1,4190 | 4,6807 |
| -134,00 | 6,145 | 2,6409 | 0,10270 | 259,42 | 707,14 | 447,72 | 1,4460 | 4,6635 |
| -133,00 | 6,472 | 2,6535 | 0,09769 | 263,28 | 708,06 | 444,78 | 1,4730 | 4,6466 |
| -132,00 | 6,813 | 2,6663 | 0,09297 | 267,15 | 708,93 | 441,78 | 1,4999 | 4,6297 |
| -131,00 | 7,166 | 2,6793 | 0,08853 | 270,99 | 709,77 | 438,77 | 1,5264 | 4,6131 |
| -130,00 | 7,532 | 2,6927 | 0,08434 | 274,90 | 710,56 | 435,66 | 1,5531 | 4,5965 |
| -129,00 | 7,911 | 2,7062 | 0,08038 | 278,84 | 711,31 | 432,48 | 1,5798 | 4,5800 |
| -128,00 | 8,304 | 2,7201 | 0,07664 | 282,79 | 712,02 | 429,24 | 1,6064 | 4,5635 |
| -127,00 | 8,711 | 2,7343 | 0,07311 | 286,76 | 712,69 | 425,92 | 1,6329 | 4,5472 |
| -126,00 | 9,133 | 2,7488 | 0,06977 | 290,76 | 713,31 | 422,55 | 1,6594 | 4,5309 |
| -125,00 | 9,568 | 2,7636 | 0,06660 | 294,79 | 713,88 | 419,10 | 1,6858 | 4,5147 |
| -124,00 | 10,019 | 2,7788 | 0,06361 | 298,84 | 714,41 | 415,57 | 1,7122 | 4,4985 |
| -123,00 | 10,485 | 2,7944 | 0,06077 | 302,91 | 714,88 | 411,97 | 1,7386 | 4,4823 |
| -122,00 | 10,966 | 2,8103 | 0,05808 | 307,01 | 715,31 | 408,29 | 1,7649 | 4,4661 |
| -121,00 | 11,462 | 2,8266 | 0,05552 | 311,14 | 715,68 | 404,54 | 1,7912 | 4,4500 |
| -120,00 | 11,975 | 2,8433 | 0,05309 | 315,30 | 715,99 | 400,69 | 1,8175 | 4,4338 |
| -119,00 | 12,504 | 2,8605 | 0,05078 | 319,49 | 716,25 | 396,76 | 1,8438 | 4,4176 |
| -118,00 | 13,049 | 2,8781 | 0,04859 | 323,71 | 716,45 | 392,75 | 1,8700 | 4,4014 |
| -117,00 | 13,611 | 2,8962 | 0,04650 | 327,96 | 716,59 | 388,63 | 1,8963 | 4,3852 |
| -116,00 | 14,191 | 2,9148 | 0,04451 | 332,25 | 716,67 | 384,42 | 1,9226 | 4,3688 |
| -115,00 | 14,788 | 2,9340 | 0,04261 | 336,57 | 716,68 | 380,11 | 1,9489 | 4,3524 |
| -114,00 | 15,403 | 2,9537 | 0,04080 | 340,93 | 716,62 | 375,70 | 1,9752 | 4,3359 |
| -113,00 | 16,036 | 2,9741 | 0,03907 | 345,33 | 716,50 | 371,17 | 2,0016 | 4,3193 |
| -112,00 | 16,687 | 2,9951 | 0,03742 | 349,77 | 716,29 | 366,53 | 2,0281 | 4,3025 |
| -111,00 | 17,357 | 3,0168 | 0,03585 | 354,25 | 716,02 | 361,77 | 2,0546 | 4,2856 |
| -110,00 | 18,046 | 3,0392 | 0,03434 | 358,78 | 715,66 | 356,88 | 2,0811 | 4,2685 |

| T °C | p Bar | v_l dm ³ /kg | v_g m ³ /kg | h_l kJ/kg | h_g kJ/kg | R kJ/kg | s_l kJ/(kg K) | s_g kJ/(kg K) |
|---------|----------|------------------------------|-----------------------------|----------------|----------------|------------|--------------------|--------------------|
| -109,00 | 18,755 | 3,0624 | 0,03290 | 363,36 | 715,21 | 351,86 | 2,1078 | 4,2513 |
| -108,00 | 19,483 | 3,0865 | 0,03152 | 367,99 | 714,68 | 346,70 | 2,1345 | 4,2338 |
| -107,00 | 20,232 | 3,1115 | 0,03019 | 372,67 | 714,06 | 341,39 | 2,1614 | 4,2161 |
| -106,00 | 21,001 | 3,1375 | 0,02892 | 377,41 | 713,33 | 335,93 | 2,1884 | 4,1981 |
| -105,00 | 21,791 | 3,1645 | 0,02770 | 382,21 | 712,51 | 330,30 | 2,2155 | 4,1798 |
| -104,00 | 22,602 | 3,1927 | 0,02653 | 387,08 | 711,57 | 324,49 | 2,2429 | 4,1612 |
| -103,00 | 23,435 | 3,2222 | 0,02541 | 392,01 | 710,52 | 318,50 | 2,2704 | 4,1423 |
| -102,00 | 24,289 | 3,2531 | 0,02433 | 397,02 | 709,34 | 312,31 | 2,2981 | 4,1229 |
| -101,00 | 25,167 | 3,2854 | 0,02328 | 402,12 | 708,02 | 305,91 | 2,3261 | 4,1031 |
| -100,00 | 26,067 | 3,3195 | 0,02228 | 407,30 | 706,57 | 299,27 | 2,3544 | 4,0828 |
| -99,00 | 26,990 | 3,3554 | 0,02131 | 412,58 | 704,95 | 292,38 | 2,3830 | 4,0619 |
| -98,00 | 27,937 | 3,3934 | 0,02037 | 417,96 | 703,17 | 285,21 | 2,4120 | 4,0404 |
| -97,00 | 28,908 | 3,4338 | 0,01946 | 423,49 | 701,19 | 277,71 | 2,4416 | 4,0181 |
| -96,00 | 29,904 | 3,4767 | 0,01859 | 429,09 | 699,04 | 269,94 | 2,4714 | 3,9952 |
| -95,00 | 30,925 | 3,5228 | 0,01774 | 434,84 | 696,66 | 261,82 | 2,5018 | 3,9714 |
| -94,00 | 31,972 | 3,5723 | 0,01690 | 440,82 | 694,00 | 253,18 | 2,5331 | 3,9463 |
| -93,00 | 33,046 | 3,6260 | 0,01610 | 446,95 | 691,06 | 244,11 | 2,5651 | 3,9202 |
| -92,00 | 34,146 | 3,6844 | 0,01531 | 453,31 | 687,80 | 234,49 | 2,5981 | 3,8925 |
| -91,00 | 35,274 | 3,7488 | 0,01453 | 459,92 | 684,16 | 224,23 | 2,6322 | 3,8632 |
| -90,00 | 36,430 | 3,8204 | 0,01376 | 466,86 | 680,06 | 213,20 | 2,6677 | 3,8318 |
| -89,00 | 37,615 | 3,9010 | 0,01301 | 474,18 | 675,41 | 201,23 | 2,7051 | 3,7979 |
| -88,00 | 38,831 | 3,9936 | 0,01225 | 481,99 | 670,06 | 188,06 | 2,7448 | 3,7606 |
| -87,00 | 40,077 | 4,1024 | 0,01148 | 490,46 | 663,79 | 173,33 | 2,7877 | 3,7189 |
| -86,00 | 41,357 | 4,2350 | 0,01068 | 499,88 | 656,20 | 156,32 | 2,8354 | 3,6706 |
| -85,00 | 42,670 | 4,4057 | 0,00983 | 510,73 | 646,62 | 135,89 | 2,8901 | 3,6124 |
| -84,00 | 44,020 | 4,6505 | 0,00886 | 524,21 | 633,35 | 109,14 | 2,9583 | 3,5354 |
| -83,00 | 45,411 | 5,1250 | 0,00751 | 545,19 | 609,20 | 64,01 | 3,0654 | 3,4020 |
| -82,59 | 45,988 | 6,2332 | 0,00623 | 579,17 | 579,17 | 0,00 | 3,2422 | 3,2422 |

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