

| Teplota | | Tlak | | Hustota | | Špecifický objem | | Špecifická entalpia | | | | Špecifické výparné teplo | | Špecifická entropia | | | |
|---------|--------|--------------------|----------------------|-------------------|-------------------|--------------------|--------------------|---------------------|---------|---------|----------|--------------------------|----------|---------------------|---------|-----------|---------|
| t | T | p | p · 10 ⁻⁴ | ρ' | ρ'' | v' | v'' | kvapaliny | | pary | | r = l'' - l' | | kvapaliny | | pary | |
| °C | K | kp/cm ² | Pa | kg/m ³ | kg/m ³ | m ³ /kg | m ³ /kg | kcal/kg | kJ/kg | kcal/kg | kJ/kg | kcal/kg | kJ/kg | kcal/kg K | kJ/kg K | kcal/kg K | kJ/kg K |
| -75 | 198,15 | 0,0765 | 0,7502 | 731,0 | 0,0775 | 0,001368 | 12,89 | 20,9 | 87,504 | 373,5 | 1561,770 | 352,6 | 1476,266 | 0,6633 | 2,7771 | 2,4431 | 10,2288 |
| -70 | 203,15 | 0,1114 | 1,0925 | 725,3 | 0,1110 | 0,0013788 | 9,009 | 25,9 | 108,438 | 375,7 | 1572,981 | 349,8 | 1464,543 | 0,6878 | 2,8797 | 2,4101 | 10,0906 |
| -68 | 205,15 | 0,1287 | 1,2621 | 723,0 | 0,1271 | 0,0013832 | 7,870 | 27,9 | 116,812 | 376,6 | 1576,749 | 348,7 | 1459,937 | 0,6975 | 2,9203 | 2,3976 | 10,0383 |
| -66 | 207,15 | 0,1485 | 1,4563 | 720,7 | 0,1453 | 0,0013876 | 6,882 | 29,9 | 125,185 | 377,4 | 1580,098 | 347,5 | 1454,913 | 0,7074 | 2,9617 | 2,3853 | 9,9868 |
| -64 | 209,15 | 0,1706 | 1,7330 | 718,4 | 0,1655 | 0,0013920 | 6,044 | 32,9 | 133,978 | 378,3 | 1583,866 | 346,3 | 1449,889 | 0,7173 | 3,0032 | 2,3734 | 9,9370 |
| -62 | 211,15 | 0,1954 | 1,9162 | 716,1 | 0,1878 | 0,0013965 | 5,324 | 34,0 | 142,351 | 379,1 | 1587,216 | 345,1 | 1444,865 | 0,7270 | 3,0438 | 2,3618 | 9,8884 |
| -60 | 213,15 | 0,2233 | 2,1898 | 713,8 | 0,2128 | 0,0014010 | 4,699 | 36,0 | 150,725 | 380,0 | 1590,984 | 344,0 | 1440,259 | 0,7366 | 3,0840 | 2,3507 | 9,8419 |
| -58 | 215,15 | 0,2543 | 2,4938 | 711,4 | 0,2403 | 0,0014056 | 4,161 | 38,1 | 159,517 | 380,8 | 1594,333 | 342,7 | 1434,816 | 0,7461 | 3,1238 | 2,3393 | 9,7942 |
| -56 | 217,15 | 0,2889 | 2,8331 | 709,1 | 0,2708 | 0,0014103 | 3,693 | 40,2 | 168,309 | 381,7 | 1598,102 | 341,5 | 1429,792 | 0,7555 | 3,1631 | 2,3285 | 9,7490 |
| -54 | 219,15 | 0,3272 | 3,2087 | 706,7 | 0,3041 | 0,0014150 | 3,288 | 42,2 | 176,683 | 382,5 | 1601,451 | 340,3 | 1424,768 | 0,7648 | 3,2021 | 2,3180 | 9,7050 |
| -52 | 221,15 | 0,3697 | 3,6255 | 704,4 | 0,3409 | 0,0014197 | 2,933 | 44,2 | 185,057 | 383,3 | 1604,800 | 339,1 | 1419,744 | 0,7741 | 3,2410 | 2,3078 | 9,6623 |
| -50 | 223,15 | 0,4168 | 4,0874 | 702,0 | 0,3812 | 0,0014245 | 2,623 | 46,3 | 193,849 | 384,1 | 1608,150 | 337,8 | 1414,301 | 0,7832 | 3,3000 | 2,2978 | 9,6204 |
| -48 | 225,15 | 0,4686 | 4,5954 | 699,6 | 0,425 | 0,0014293 | 2,351 | 48,4 | 202,641 | 384,9 | 1611,499 | 336,6 | 1409,277 | 0,7931 | 3,3206 | 2,2880 | 9,5493 |
| -46 | 227,15 | 0,5256 | 5,1544 | 697,2 | 0,473 | 0,0014242 | 2,112 | 50,4 | 211,015 | 385,7 | 1614,849 | 335,3 | 1403,834 | 0,8021 | 3,3582 | 2,2785 | 9,5396 |
| -44 | 229,15 | 0,5882 | 5,7683 | 694,8 | 0,526 | 0,0014392 | 1,901 | 52,5 | 219,807 | 386,5 | 1618,198 | 334,0 | 1398,391 | 0,8112 | 3,3963 | 2,2692 | 9,5007 |
| -42 | 231,15 | 0,6568 | 6,4410 | 692,4 | 0,583 | 0,0014442 | 1,715 | 54,6 | 228,599 | 387,3 | 1621,548 | 332,7 | 1392,948 | 0,8203 | 3,4344 | 2,2600 | 9,4622 |
| -40 | 233,15 | 0,7318 | 7,1765 | 690,0 | 0,645 | 0,0014491 | 1,550 | 56,8 | 237,810 | 388,1 | 1624,897 | 331,3 | 1387,087 | 0,8295 | 3,4730 | 2,2510 | 9,4245 |
| -39 | 234,15 | 0,7719 | 7,5698 | 688,8 | 0,678 | 0,0014519 | 1,4752 | 57,82 | 242,091 | 388,49 | 1626,530 | 330,67 | 1384,449 | 0,8340 | 3,4918 | 2,2465 | 9,4056 |
| -38 | 235,15 | 0,8137 | 7,9797 | 687,5 | 0,712 | 0,0014545 | 1,4045 | 58,88 | 246,519 | 388,88 | 1628,163 | 329,99 | 1381,602 | 0,8385 | 3,5106 | 2,2421 | 9,3872 |
| -37 | 236,15 | 0,8573 | 8,4072 | 686,3 | 0,748 | 0,0014571 | 1,3377 | 59,94 | 250,957 | 389,27 | 1629,796 | 329,31 | 1378,755 | 0,8430 | 3,5295 | 2,2378 | 9,3692 |
| -36 | 237,15 | 0,9028 | 8,8534 | 685,1 | 0,785 | 0,0014597 | 1,2746 | 61,01 | 255,437 | 389,65 | 1631,387 | 328,63 | 1375,908 | 0,8475 | 3,5483 | 2,2336 | 9,3516 |
| -35 | 238,15 | 0,9503 | 9,3193 | 683,9 | 0,823 | 0,0014623 | 1,2151 | 62,08 | 259,917 | 390,03 | 1632,978 | 327,95 | 1373,061 | 0,8520 | 3,5672 | 2,2294 | 9,3341 |
| -34 | 239,15 | 0,9999 | 9,8057 | 682,6 | 0,863 | 0,0014649 | 1,1589 | 63,15 | 264,396 | 390,41 | 1634,569 | 327,26 | 1370,172 | 0,8565 | 3,5860 | 2,2252 | 9,3165 |
| -33 | 240,15 | 1,0515 | 10,3117 | 681,4 | 0,905 | 0,0014676 | 1,1058 | 64,21 | 268,834 | 390,79 | 1636,160 | 326,57 | 1367,283 | 0,8610 | 3,6048 | 2,2211 | 9,2993 |
| -32 | 241,15 | 1,1052 | 10,8383 | 680,1 | 0,948 | 0,0014703 | 1,0555 | 65,28 | 273,314 | 391,17 | 1637,751 | 325,88 | 1364,394 | 0,8654 | 3,6233 | 2,2170 | 9,2821 |
| -31 | 242,15 | 1,1610 | 11,3855 | 678,9 | 0,992 | 0,0014730 | 1,0080 | 66,35 | 277,794 | 391,54 | 1639,300 | 325,19 | 1361,505 | 0,8698 | 3,6417 | 2,2130 | 9,2654 |
| -30 | 243,15 | 1,2190 | 11,9543 | 677,7 | 1,038 | 0,0014757 | 0,9630 | 67,42 | 282,274 | 391,91 | 1640,949 | 324,49 | 1358,575 | 0,8742 | 3,6601 | 2,2090 | 9,2486 |
| -29 | 244,15 | 1,279 | 12,5427 | 676,4 | 1,086 | 0,0014784 | 0,9204 | 68,49 | 286,754 | 392,28 | 1642,398 | 323,79 | 1355,644 | 0,8786 | 3,6785 | 2,2050 | 9,2319 |
| -28 | 245,15 | 1,342 | 13,1605 | 675,2 | 1,136 | 0,0014811 | 0,8801 | 69,56 | 291,234 | 392,64 | 1643,905 | 323,08 | 1352,671 | 0,8830 | 3,7179 | 2,2011 | 9,2156 |
| -27 | 246,15 | 1,407 | 13,7980 | 673,9 | 1,188 | 0,0014839 | 0,8418 | 70,63 | 295,714 | 393,00 | 1645,412 | 322,37 | 1349,699 | 0,8874 | 3,7154 | 2,1972 | 9,1992 |
| -26 | 247,15 | 1,475 | 14,4648 | 672,6 | 1,242 | 0,0014867 | 0,8056 | 71,71 | 300,235 | 393,36 | 1646,920 | 321,66 | 1346,726 | 0,8917 | 3,7334 | 2,1934 | 9,1833 |
| -25 | 248,15 | 1,546 | 15,1611 | 671,4 | 1,297 | 0,0014895 | 0,7712 | 72,78 | 304,715 | 393,72 | 1648,427 | 320,94 | 1343,712 | 0,8960 | 3,7514 | 2,1896 | 9,1674 |
| -24 | 249,15 | 1,619 | 15,8770 | 670,1 | 1,354 | 0,0014923 | 0,7386 | 73,86 | 309,237 | 394,07 | 1649,872 | 320,22 | 1340,697 | 0,9003 | 3,7694 | 2,1858 | 9,1515 |
| -23 | 250,15 | 1,695 | 16,6223 | 668,8 | 1,413 | 0,0014951 | 0,7076 | 74,93 | 313,717 | 394,42 | 1651,358 | 319,49 | 1337,641 | 0,9046 | 3,7874 | 2,1821 | 9,1360 |
| -22 | 251,15 | 1,774 | 17,3970 | 667,6 | 1,474 | 0,0014980 | 0,6782 | 76,01 | 318,239 | 394,77 | 1652,823 | 318,76 | 1334,584 | 0,9089 | 3,8054 | 2,1784 | 9,1205 |
| -21 | 252,15 | 1,856 | 18,2011 | 666,3 | 1,538 | 0,0015008 | 0,6502 | 77,09 | 322,760 | 395,12 | 1654,298 | 318,03 | 1331,528 | 0,9132 | 3,8234 | 2,1747 | 9,1050 |
| -20 | 253,15 | 1,940 | 19,0249 | 665,0 | 1,604 | 0,0015037 | 0,6236 | 78,17 | 327,282 | 395,46 | 1655,712 | 317,29 | 1328,430 | 0,9175 | 3,8414 | 2,1710 | 9,0895 |
| -19 | 254,15 | 2,027 | 19,8781 | 663,7 | 1,672 | 0,0015066 | 0,5983 | 79,25 | 331,804 | 395,80 | 1657,135 | 316,55 | 1325,332 | 0,9217 | 3,8590 | 2,1674 | 9,0745 |
| -18 | 255,15 | 2,117 | 20,7607 | 662,4 | 1,742 | 0,0015096 | 0,5742 | 80,33 | 336,326 | 396,13 | 1658,517 | 315,80 | 1322,191 | 0,9259 | 3,8766 | 2,1638 | 9,0594 |
| -17 | 256,15 | 2,211 | 21,6825 | 661,1 | 1,814 | 0,0015125 | 0,5513 | 81,41 | 340,847 | 396,46 | 1659,899 | 315,05 | 1319,051 | 0,9301 | 3,8941 | 2,1602 | 9,0443 |

TABUĽKA 48-2

Nasýtená para amoniaku (NH₃)

| Teplota | | Tlak | | Hustota | | Špecifický objem | | Špecifická entalpia | | | | Špecifické výparné teplo | | Špecifická entropia | | | |
|---------|--------|--------------------|----------------------|-------------------|-------------------|--------------------|--------------------|---------------------|---------|---------|----------|--------------------------|----------|---------------------|---------|-----------|---------|
| t | T | p | p · 10 ⁻⁴ | ρ' | ρ'' | v' | v'' | kvapaliny | | pary | | r = l'' - l' | | kvapaliny | | pary | |
| °C | K | kp/cm ² | Pa | kg/m ³ | kg/m ³ | m ³ /kg | m ³ /kg | kcal/kg | kJ/kg | kcal/kg | kJ/kg | kcal/kg | kJ/kg | kcal/kg K | kJ/kg K | kcal/kg K | kJ/kg K |
| -16 | 257,15 | 2,309 | 22,6436 | 659,8 | 1,889 | 0,0015155 | 0,5295 | 82,50 | 345,411 | 396,79 | 1661,280 | 314,29 | 1315,869 | 0,9343 | 3,9117 | 2,1567 | 9,0297 |
| -15 | 258,15 | 2,410 | 23,6340 | 658,5 | 1,966 | 0,0015185 | 0,5087 | 83,59 | 349,975 | 397,12 | 1662,662 | 313,53 | 1312,687 | 0,9385 | 3,9293 | 2,1532 | 9,0150 |
| -14 | 259,15 | 2,514 | 24,6539 | 657,2 | 2,046 | 0,0015215 | 0,4889 | 84,68 | 354,538 | 397,44 | 1664,002 | 312,76 | 1309,464 | 0,9427 | 3,9469 | 2,1498 | 9,0008 |
| -13 | 260,15 | 2,621 | 25,7032 | 655,9 | 2,128 | 0,0015245 | 0,4700 | 85,76 | 359,060 | 397,75 | 1665,300 | 311,99 | 1306,240 | 0,9469 | 3,9645 | 2,1464 | 8,9865 |
| -12 | 261,15 | 2,732 | 26,7918 | 654,6 | 2,213 | 0,0015276 | 0,4520 | 86,85 | 363,624 | 398,06 | 1666,598 | 311,21 | 1302,974 | 0,9511 | 3,9821 | 2,1430 | 8,9723 |
| -11 | 262,15 | 2,847 | 27,9195 | 653,3 | 2,300 | 0,0015307 | 0,4348 | 87,94 | 368,187 | 398,37 | 1667,896 | 310,43 | 1299,708 | 0,9552 | 3,9992 | 2,1396 | 8,9581 |
| -10 | 263,15 | 2,966 | 29,0865 | 652,0 | 2,390 | 0,0015338 | 0,4184 | 89,03 | 372,751 | 398,67 | 1669,152 | 309,64 | 1296,401 | 0,9593 | 4,0164 | 2,1362 | 8,9438 |
| -9 | 264,15 | 3,089 | 30,2927 | 650,7 | 2,483 | 0,0015369 | 0,4028 | 90,12 | 377,314 | 398,97 | 1670,408 | 308,85 | 1293,093 | 0,9634 | 4,0336 | 2,1329 | 8,9300 |
| -8 | 265,15 | 3,216 | 31,5382 | 649,3 | 2,579 | 0,0015400 | 0,3878 | 91,21 | 381,878 | 399,27 | 1671,664 | 308,06 | 1289,786 | 0,9675 | 4,0507 | 2,1296 | 8,9162 |
| -7 | 266,15 | 3,347 | 32,8229 | 648,0 | 2,678 | 0,0015432 | 0,3735 | 92,30 | 386,442 | 399,56 | 1672,878 | 307,25 | 1286,394 | 0,9716 | 4,0679 | 2,1263 | 8,9024 |
| -6 | 267,15 | 3,481 | 34,1369 | 646,7 | 2,779 | 0,0015464 | 0,3599 | 93,40 | 391,047 | 399,85 | 1674,092 | 306,45 | 1283,045 | 0,9757 | 4,0851 | 2,1231 | 8,8890 |
| -5 | 268,15 | 3,619 | 35,4903 | 645,3 | 2,883 | 0,0015496 | 0,3469 | 94,50 | 395,653 | 400,14 | 1675,306 | 305,64 | 1279,654 | 0,9798 | 4,1022 | 2,1199 | 8,8756 |
| -4 | 269,15 | 3,761 | 36,8828 | 644,0 | 2,991 | 0,0015528 | 0,3344 | 95,59 | 400,216 | 400,42 | 1676,478 | 304,83 | 1276,262 | 0,9839 | 4,1194 | 2,1167 | 8,8622 |
| -3 | 270,15 | 3,908 | 38,3244 | 642,6 | 3,102 | 0,0015561 | 0,3225 | 96,69 | 404,822 | 400,70 | 1677,651 | 304,01 | 1272,829 | 0,9880 | 4,1366 | 2,1135 | 8,8488 |
| -2 | 271,15 | 4,060 | 39,8150 | 641,3 | 3,216 | 0,0015594 | 0,3111 | 97,79 | 409,427 | 400,98 | 1678,823 | 303,19 | 1269,396 | 0,9920 | 4,1533 | 2,1103 | 8,8354 |
| -1 | 272,15 | 4,217 | 41,3546 | 639,9 | 3,332 | 0,0015627 | 0,3002 | 98,89 | 414,033 | | | | | | | | |

| Teplota | | Tlak | | Hustota | | Špecifický objem | | Špecifická entalpia | | | | Špecifické výparné teplo | | Špecifická entropia | | | |
|---------|--------|--------------------|----------------------|-------------------|-------------------|--------------------|--------------------|---------------------|---------|---------|----------|--------------------------|----------|---------------------|---------|-----------|---------|
| t | T | p | p · 10 ⁻⁴ | ρ' | ρ'' | v' | v'' | kvapaliny | | pary | | r = l' - l'' | | kvapaliny | | pary | |
| °C | K | kp/cm ² | Pa | kg/m ³ | kg/m ³ | m ³ /kg | m ³ /kg | kcal/kg | kJ/kg | kcal/kg | kJ/kg | kcal/kg | kJ/kg | kcal/kg K | kJ/kg K | kcal/kg K | kJ/kg K |
| 29 | 302,15 | 11,546 | 113,2276 | 596,8 | 8,775 | 0,0016757 | 0,1140 | 132,69 | 555,546 | 407,30 | 1705,284 | 274,62 | 1149,779 | 1,1128 | 4,6591 | 2,0217 | 8,4645 |
| 30 | 303,15 | 11,895 | 116,6501 | 595,2 | 9,034 | 0,0016800 | 0,1107 | 133,84 | 560,361 | 407,43 | 1705,828 | 273,59 | 1145,467 | 1,1165 | 4,6746 | 2,0191 | 8,4536 |
| 31 | 304,15 | 12,252 | 120,1511 | 593,7 | 9,300 | 0,0016844 | 0,1075 | 135,00 | 565,218 | 407,55 | 1706,330 | 272,55 | 1141,112 | 1,1203 | 4,6905 | 2,0165 | 8,4427 |
| 32 | 305,15 | 12,617 | 123,7305 | 592,1 | 9,573 | 0,0016888 | 0,1045 | 136,16 | 570,075 | 407,67 | 1706,833 | 271,50 | 1136,716 | 1,1241 | 4,7064 | 2,0139 | 8,4318 |
| 33 | 306,15 | 12,991 | 127,3982 | 590,6 | 9,852 | 0,0016932 | 0,1015 | 137,32 | 574,931 | 407,78 | 1707,293 | 270,45 | 1132,320 | 1,1278 | 4,7219 | 2,0113 | 8,4209 |
| 34 | 307,15 | 13,374 | 131,1541 | 589,0 | 10,138 | 0,0016977 | 0,0986 | 138,48 | 579,788 | 407,88 | 1707,712 | 269,39 | 1127,882 | 1,1315 | 4,7374 | 2,0087 | 8,4100 |
| 35 | 308,15 | 13,765 | 134,9885 | 587,5 | 10,431 | 0,0017023 | 0,0959 | 139,65 | 584,687 | 407,97 | 1708,089 | 268,32 | 1123,402 | 1,1352 | 4,7529 | 2,0061 | 8,3991 |
| 36 | 309,15 | 14,165 | 138,9112 | 585,9 | 10,731 | 0,0017069 | 0,0932 | 140,82 | 589,585 | 408,06 | 1708,466 | 267,24 | 1118,880 | 1,1390 | 4,7688 | 2,0035 | 8,3883 |
| 37 | 310,15 | 14,573 | 142,9123 | 584,3 | 11,038 | 0,0017115 | 0,0906 | 141,99 | 594,484 | 408,15 | 1708,842 | 266,15 | 1114,317 | 1,1427 | 4,7843 | 2,0009 | 8,3774 |
| 38 | 311,15 | 14,990 | 147,0017 | 582,7 | 11,353 | 0,0017162 | 0,0881 | 143,16 | 599,382 | 408,23 | 1709,177 | 265,06 | 1109,753 | 1,1464 | 4,7997 | 1,9984 | 8,3669 |
| 39 | 312,15 | 15,415 | 151,1695 | 581,1 | 11,675 | 0,0017209 | 0,0857 | 144,34 | 604,323 | 408,30 | 1709,470 | 263,96 | 1105,148 | 1,1501 | 4,8152 | 1,9958 | 8,3560 |
| 40 | 313,15 | 15,850 | 155,4354 | 579,5 | 12,005 | 0,0017257 | 0,0833 | 145,52 | 609,263 | 408,37 | 1709,764 | 262,85 | 1100,500 | 1,1538 | 4,8307 | 1,9933 | 8,3455 |
| 41 | 314,15 | 16,294 | 159,7896 | 577,9 | 12,34 | 0,0017305 | 0,0810 | 146,70 | 614,204 | 408,43 | 1710,015 | 261,73 | 1095,811 | 1,1575 | 4,8462 | 1,9908 | 8,3351 |
| 42 | 315,15 | 16,747 | 164,2320 | 576,2 | 12,69 | 0,0017354 | 0,0788 | 147,88 | 619,144 | 408,49 | 1710,266 | 260,60 | 1091,080 | 1,1612 | 4,8617 | 1,9882 | 8,3242 |
| 43 | 316,15 | 17,210 | 168,7724 | 574,6 | 13,04 | 0,0017404 | 0,0767 | 149,06 | 624,084 | 408,54 | 1710,475 | 259,47 | 1086,349 | 1,1649 | 4,8772 | 1,9857 | 8,3137 |
| 44 | 317,15 | 17,682 | 173,4012 | 572,9 | 13,40 | 0,0017454 | 0,0746 | 150,24 | 629,025 | 408,58 | 1710,643 | 258,33 | 1081,576 | 1,1686 | 4,8927 | 1,9832 | 8,3033 |
| 45 | 318,15 | 18,165 | 178,1378 | 571,3 | 13,77 | 0,0017504 | 0,0726 | 151,43 | 634,007 | 408,61 | 1710,768 | 257,18 | 1076,761 | 1,1722 | 4,9078 | 1,9807 | 8,2928 |
| 46 | 319,15 | 18,658 | 182,9725 | 569,6 | 14,15 | 0,0017555 | 0,0707 | 152,62 | 638,989 | 408,64 | 1710,894 | 256,02 | 1071,905 | 1,1759 | 4,9233 | 1,9781 | 8,2819 |
| 47 | 320,15 | 19,161 | 187,9052 | 568,0 | 14,54 | 0,0017607 | 0,0688 | 153,81 | 643,972 | 408,66 | 1710,978 | 254,85 | 1067,004 | 1,1796 | 4,9387 | 1,9756 | 8,2714 |
| 48 | 321,15 | 19,673 | 192,9262 | 566,3 | 14,94 | 0,0017659 | 0,0670 | 155,00 | 648,954 | 408,68 | 1711,061 | 253,67 | 1062,066 | 1,1832 | 4,9538 | 1,9731 | 8,2610 |
| 49 | 322,15 | 20,195 | 198,0453 | 564,6 | 15,34 | 0,0017712 | 0,0652 | 156,20 | 653,978 | 408,70 | 1711,145 | 252,48 | 1057,083 | 1,1868 | 4,9689 | 1,9706 | 8,2505 |
| 50 | 323,15 | 20,727 | 203,2624 | 562,8 | 15,75 | 0,0017775 | 0,0635 | 157,38 | 658,919 | 408,72 | 1711,229 | 251,34 | 1052,310 | 1,1905 | 4,9844 | 1,9683 | 8,2409 |
| 52 | 325,15 | 21,83 | 214,0792 | 559,1 | 16,59 | 0,001788 | 0,0602 | 159,8 | 669,051 | 408,7 | 1711,145 | 248,9 | 1042,095 | 1,1982 | 5,0166 | 1,9638 | 8,2220 |
| 54 | 327,15 | 22,97 | 225,2588 | 555,4 | 17,47 | 0,001800 | 0,0572 | 162,2 | 679,099 | 408,8 | 1711,564 | 246,6 | 1032,443 | 1,2056 | 5,0476 | 1,9590 | 8,2019 |
| 56 | 329,15 | 24,15 | 236,8306 | 551,6 | 18,39 | 0,001812 | 0,0543 | 164,6 | 689,147 | 408,8 | 1711,564 | 244,2 | 1022,417 | 1,2130 | 5,0786 | 1,9542 | 8,1818 |
| 58 | 331,15 | 25,37 | 248,7947 | 547,8 | 19,35 | 0,001825 | 0,0515 | 167,1 | 699,614 | 408,7 | 1711,145 | 241,6 | 1011,531 | 1,2205 | 5,1100 | 1,9494 | 8,1617 |
| 60 | 333,15 | 26,66 | 261,4453 | 544,0 | 20,35 | 0,001838 | 0,0489 | 169,6 | 710,081 | 408,6 | 1710,726 | 238,0 | 996,458 | 1,2280 | 5,1414 | 1,9445 | 8,1412 |
| 62 | 335,15 | 27,98 | 274,3901 | 540,2 | 21,41 | 0,001851 | 0,0464 | 172,2 | 720,967 | 408,5 | 1710,308 | 236,3 | 989,341 | 1,2354 | 5,1724 | 1,9396 | 8,1207 |
| 64 | 337,15 | 29,36 | 287,9232 | 536,4 | 22,53 | 0,001864 | 0,0441 | 174,8 | 731,853 | 408,3 | 1709,470 | 233,5 | 977,618 | 1,2428 | 5,2034 | 1,9347 | 8,1002 |
| 66 | 339,15 | 30,77 | 301,7506 | 532,6 | 23,73 | 0,001877 | 0,0420 | 177,4 | 742,738 | 408,0 | 1708,214 | 230,6 | 965,475 | 1,2502 | 5,2343 | 1,9297 | 8,0793 |
| 68 | 341,15 | 32,25 | 316,2645 | 528,8 | 25,01 | 0,001891 | 0,0399 | 180,0 | 753,624 | 407,7 | 1706,958 | 227,7 | 953,134 | 1,2576 | 5,2653 | 1,9247 | 8,0583 |
| 70 | 343,15 | 33,77 | 331,1706 | 524,8 | 26,36 | 0,001905 | 0,0379 | 182,7 | 764,928 | 407,3 | 1705,284 | 224,6 | 940,355 | 1,2650 | 5,2963 | 1,9196 | 8,0370 |

1 at = 1 kp/cm² = 98 066 N/m² = 98 066 Pa = 0,098066 MPa

1 kcal = 4,1868 kJ

TABUĽKA 47—1

Vlastnosti chladív

| Látka | Chemický vzorec | Relatívna molekulová hmotnosť M | Špecifická plynová konštanta r | Špecifická tepelná kapacita pri 0 °C a tlaku 101325 Pa | | | | x = c _p /c _v pri 0 °C | Teplota varu a topenia pri tlaku 101325 Pa | | | | Kritické hodnoty stavu | | | | | |
|-------------------------------------|---|---------------------------------|--------------------------------|--|----------------|----------------|----------------|---|--|----------------|-----------------|----------------|------------------------|-----------------------------------|----------------|-------------------|----------|-----|
| | | | | kvapaliny | | plynu | | | teplota varu | | teplota topenia | | teplota | | tlak | | hustota | |
| | | | | c | c _p | t _v | T _v | | t _t | T _t | t _k | T _k | p _k | p _k · 10 ⁻⁴ | ρ _k | | | |
| | | kp/kg K | J/kg K | kcal/kg | kJ/kg | kcal/kg | kJ/kg | °C | K | °C | K | °C | K | kp/cm ² | Pa | kg/m ³ | | |
| Amoniak | NH ₃ | 17,032 | 49,789 | 488,263 | 1,11 | 4,647 | 0,492 | 2,060 | 1,312 | -33,35 | 239,80 | -77,9 | 195,25 | 132,4 | 405,55 | 115,2 | 1129,726 | 235 |
| Dichlórdifluórmetán (Freón 12) | CCl ₂ F ₂ | 120,92 | 7,0127 | 68,771 | 0,204 | 0,854 | 0,146 | 0,611 | 1,148 | -29,8 | 243,35 | -155 | 118,15 | 112,0 | 385,15 | 40,87 | 400,798 | 555 |
| Dichlórtetrafluórmetán (Freón 114) | C ₂ Cl ₂ F ₄ | 170,93 | 4,961 | 48,651 | 0,232 | 0,971 | 0,152 | 0,636 | 1,106 | +4,1 | 277,25 | -94 | 179,15 | 146 | 419,15 | 34,4 | 337,349 | — |
| Etán | C ₂ H ₆ | 30,07 | 28,201 | 276,557 | — | — | 0,413 | 1,729 | 1,202 | -88,63 | 184,52 | -183,6 | 89,55 | 32,1 | 305,25 | 50,3 | 493,274 | 210 |
| Etylén | C ₂ H ₄ | 28,05 | 30,25 | 296,651 | — | — | 0,385 | 1,612 | 1,25 | -103,6 | 169,55 | -104 | 169,15 | 9,4 | 282,55 | 51,4 | 504,062 | 216 |
| Metán | CH ₄ | 16,04 | 16,03 | 157,201 | — | — | 0,520 | 2,177 | 1,30 | -161,6 | 111,55 | -182,6 | 90,55 | 82 | 191,15 | 47,3 | 443,855 | 162 |
| Metylochlórid | CH ₃ Cl | 50,491 | 16,80 | 164,752 | 0,37 | 1,549 | 0,176 | 0,737 | 1,27 | -24,0 | 249,15 | -91,5 | 181,65 | 143,1 | 416,25 | 68,1 | 647,833 | 370 |
| Monochlórdifluórmetán (Freón 22) | CHClF ₂ | 86,475 | 9,806 | 96,164 | 0,26 | 1,089 | 0,145 | 0,607 | 1,19 | -40,80 | 232,35 | -160 | 113,15 | 96 | 360,15 | 50,33 | 493,659 | 526 |
| Monochlórtetrafluórmetán (Freón 13) | CClF ₃ | 104,47 | 8,117 | 79,601 | 0,203 | 0,850 | 0,126 | 0,528 | 1,15 | -81,5 | 191,65 | -181 | 92,15 | 28,78 | 301,93 | 39,46 | 386,970 | 581 |
| Oxid siričitý | SO ₂ | 64,06 | 13,238 | 129,820 | 0,324 | 1,357 | 0,145 | 0,607 | 1,271 | -10,02 | 263,13 | -75,5 | 197,45 | 157,2 | 430,35 | 80,3 | 787,474 | 524 |
| Oxid uhličitý | CO ₂ | 44,01 | 19,268 | 188,955 | — | — | 0,197 | 0,825 | 1,30 | -78,48 | 194,67 | -54,6 | 214,55 | 31,0 | 304,15 | 75,21 | 737,558 | 460 |
| Propán | C ₃ H ₈ | 44,09 | 19,233 | 188,611 | — | — | 0,365 | 1,528 | 1,15 | -42,5 | 230,65 | -189,9 | 83,25 | 96,85 | 370,00 | 43,4 | 425,609 | 226 |
| Trichlórmono-fluórmetán (Freón 11) | CCl ₃ F | 137,38 | 6,173 | 60,536 | 0,208 | 0,871 | 0,130 | 0,544 | 1,124 | +23,65 | 296,80 | -111 | 162,15 | 198 | 471,15 | 44,6 | 437,377 | 555 |
| Trichlórtetrafluórmetán (Freón 113) | C ₂ Cl ₂ F ₄ | 187,39 | 4,525 | 44,375 | 0,226 | 0,946 | 0,149 | 0,624 | 1,075 | +47,6 | 320,75 | -36,5 | 236,65 | 214,1 | 487,25 | 34,8 | 341,271 | 578 |
| Voda (vodná para) | H ₂ O | 18,02 | 47,06 | 461,501 | 1,008 | 4,220 | 0,444 | 1,859 | 1,40 | +100 | 373,15 | 0 | 273,15 | 374,15 | 647,30 | 225,65 | 2212,871 | 322 |

1 at = 1 kp/cm² = 98 066 N/m² = 98 066 Pa = 0,098066 MPa

1 kcal = 4,1868 kJ

