

耳よりウンチク学

● 飽和温度と飽和圧力表

■ 飽和温度と飽和圧力表

※圧力はゲージ圧力です。

| 温度 (°C) | R32 | R410A | | R407C | | R404A | | R134a | R22 |
|------------|---------------|------------|-------|------------|-------|------------|-------|---------------|---------------|
| | 飽和圧力 (MPa) | 飽和圧力 (MPa) | | 飽和圧力 (MPa) | | 飽和圧力 (MPa) | | 飽和圧力 (MPa) | 飽和圧力 (MPa) |
| | | 飽和液 | 飽和ガス | 飽和液 | 飽和ガス | 飽和液 | 飽和ガス | | |
| -30 | 0.172 | 0.173 | 0.172 | 0.088 | 0.038 | 0.110 | 0.106 | -0.017 | 0.063 |
| -28 | 0.195 | 0.195 | 0.195 | 0.105 | 0.051 | 0.128 | 0.123 | -0.008 | 0.077 |
| -26 | 0.220 | 0.220 | 0.219 | 0.122 | 0.065 | 0.147 | 0.142 | 0.004 | 0.092 |
| -24 | 0.246 | 0.246 | 0.245 | 0.141 | 0.080 | 0.167 | 0.162 | 0.011 | 0.108 |
| -22 | 0.274 | 0.274 | 0.273 | 0.160 | 0.096 | 0.189 | 0.183 | 0.021 | 0.126 |
| -20 | 0.304 | 0.303 | 0.302 | 0.181 | 0.114 | 0.211 | 0.205 | 0.032 | 0.144 |
| -18 | 0.336 | 0.334 | 0.333 | 0.204 | 0.132 | 0.235 | 0.229 | 0.044 | 0.163 |
| -16 | 0.369 | 0.367 | 0.366 | 0.227 | 0.152 | 0.260 | 0.254 | 0.056 | 0.184 |
| -14 | 0.404 | 0.402 | 0.401 | 0.252 | 0.172 | 0.287 | 0.280 | 0.070 | 0.206 |
| -12 | 0.442 | 0.439 | 0.437 | 0.278 | 0.195 | 0.315 | 0.308 | 0.084 | 0.229 |
| -10 | 0.481 | 0.478 | 0.476 | 0.306 | 0.218 | 0.345 | 0.338 | 0.100 | 0.253 |
| -8 | 0.523 | 0.519 | 0.517 | 0.357 | 0.243 | 0.396 | 0.369 | 0.116 | 0.279 |
| -6 | 0.566 | 0.562 | 0.559 | 0.367 | 0.270 | 0.409 | 0.401 | 0.134 | 0.306 |
| -4 | 0.613 | 0.607 | 0.605 | 0.399 | 0.298 | 0.444 | 0.436 | 0.152 | 0.335 |
| -2 | 0.661 | 0.655 | 0.652 | 0.434 | 0.327 | 0.480 | 0.472 | 0.171 | 0.365 |
| 0 | 0.712 | 0.704 | 0.702 | 0.470 | 0.359 | 0.519 | 0.510 | 0.192 | 0.397 |
| 2 | 0.765 | 0.757 | 0.754 | 0.508 | 0.392 | 0.559 | 0.550 | 0.214 | 0.430 |
| 4 | 0.821 | 0.812 | 0.809 | 0.548 | 0.427 | 0.601 | 0.591 | 0.237 | 0.465 |
| 6 | 0.880 | 0.870 | 0.866 | 0.589 | 0.463 | 0.645 | 0.635 | 0.261 | 0.501 |
| 8 | 0.942 | 0.930 | 0.826 | 0.633 | 0.502 | 0.691 | 0.681 | 0.287 | 0.540 |
| 10 | 1.006 | 0.993 | 0.989 | 0.679 | 0.542 | 0.739 | 0.729 | 0.314 | 0.580 |

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| | 飽和圧力 (MPa) | 飽和圧力 (MPa) | | 飽和圧力 (MPa) | | 飽和圧力 (MPa) | | 飽和圧力 (MPa) | 飽和圧力 (MPa) |
| | | 飽和液 | 飽和ガス | 飽和液 | 飽和ガス | 飽和液 | 飽和ガス | | |
| 12 | 1.073 | 1.059 | 1.055 | 0.727 | 0.585 | 0.789 | 0.779 | 0.342 | 0.622 |
| 14 | 1.144 | 1.128 | 1.123 | 0.777 | 0.630 | 0.842 | 0.831 | 0.372 | 0.665 |
| 16 | 1.217 | 1.200 | 1.195 | 0.829 | 0.677 | 0.897 | 0.886 | 0.404 | 0.711 |
| 18 | 1.294 | 1.275 | 1.270 | 0.884 | 0.726 | 0.943 | 0.955 | 0.436 | 0.759 |
| 20 | 1.374 | 1.353 | 1.348 | 0.941 | 0.778 | 1.014 | 1.003 | 0.471 | 0.809 |
| 22 | 1.457 | 1.435 | 1.429 | 1.000 | 0.832 | 1.076 | 1.065 | 0.507 | 0.861 |
| 24 | 1.544 | 1.520 | 1.513 | 1.062 | 0.889 | 1.141 | 1.129 | 0.545 | 0.915 |
| 26 | 1.635 | 1.608 | 1.601 | 1.126 | 0.948 | 1.209 | 1.196 | 0.585 | 0.971 |
| 28 | 1.729 | 1.700 | 1.693 | 1.193 | 1.010 | 1.279 | 1.266 | 0.626 | 1.030 |
| 30 | 1.827 | 1.796 | 1.788 | 1.263 | 1.075 | 1.352 | 1.339 | 0.669 | 1.091 |
| 32 | 1.929 | 1.895 | 1.887 | 1.335 | 1.142 | 1.427 | 1.415 | 0.715 | 1.154 |
| 34 | 2.035 | 1.998 | 1.990 | 1.411 | 1.212 | 1.506 | 1.493 | 0.762 | 1.220 |
| 36 | 2.145 | 2.105 | 2.097 | 1.489 | 1.286 | 1.588 | 1.574 | 0.811 | 1.289 |
| 38 | 2.259 | 2.216 | 2.208 | 1.570 | 1.362 | 1.672 | 1.659 | 0.862 | 1.360 |
| 40 | 2.377 | 2.332 | 2.323 | 1.654 | 1.442 | 1.760 | 1.747 | 0.916 | 1.433 |
| 42 | 2.500 | 2.451 | 2.442 | 1.741 | 1.525 | 1.851 | 1.838 | 0.971 | 1.509 |
| 44 | 2.628 | 2.575 | 2.565 | 1.831 | 1.611 | 1.946 | 1.932 | 1.029 | 1.583 |
| 46 | 2.760 | 2.703 | 2.693 | 1.924 | 1.701 | 2.043 | 2.030 | 1.089 | 1.670 |
| 48 | 2.897 | 2.836 | 2.826 | 2.021 | 1.794 | 2.144 | 2.131 | 1.152 | 1.755 |
| 50 | 3.040 | 2.974 | 2.963 | 2.121 | 1.891 | 2.249 | 2.236 | 1.216 | 1.843 |