



Refrigerant Guys PT – Chart R404A

Saturation Pressure-Temperature Data for R-404A (psig)*

| Temp. (°F) | Pressure Liquid | Pressure Vapor | Temp. (°C) | Temp. (°F) | Pressure Liquid | Pressure Vapor | Temp. (°C) | Temp. (°F) | Pressure Liquid | Pressure Vapor | Temp. (°C) | Temp. (°F) | Pressure Liquid | Pressure Vapor | Temp. (°C) |
|------------|-----------------|----------------|------------|------------|-----------------|----------------|------------|------------|-----------------|----------------|------------|------------|-----------------|----------------|------------|
| -49 | 0.9 | 0.3 | -45.0 | 1 | 34.7 | 33.6 | -17.2 | 51 | 107.2 | 105.6 | 10.6 | 101 | 240.2 | 238.1 | 38.3 |
| -48 | 1.3 | 0.7 | -44.4 | 2 | 35.7 | 34.6 | -16.7 | 52 | 109.2 | 107.6 | 11.1 | 102 | 243.6 | 241.5 | 38.9 |
| -47 | 1.7 | 1.2 | -43.9 | 3 | 36.7 | 35.6 | -16.1 | 53 | 111.2 | 109.6 | 11.7 | 103 | 247.1 | 245.0 | 39.4 |
| -46 | 2.1 | 1.6 | -43.3 | 4 | 37.7 | 36.6 | -15.6 | 54 | 113.3 | 111.6 | 12.2 | 104 | 250.6 | 248.5 | 40.0 |
| -45 | 2.6 | 2.0 | -42.8 | 5 | 38.8 | 37.7 | -15.0 | 55 | 115.3 | 113.6 | 12.8 | 105 | 254.2 | 252.1 | 40.6 |
| -44 | 3.0 | 2.4 | -42.2 | 6 | 39.8 | 38.7 | -14.4 | 56 | 117.4 | 115.7 | 13.3 | 106 | 257.8 | 255.6 | 41.1 |
| -43 | 3.5 | 2.9 | -41.7 | 7 | 40.9 | 39.8 | -13.9 | 57 | 119.5 | 117.8 | 13.9 | 107 | 261.4 | 259.3 | 41.7 |
| -42 | 4.0 | 3.4 | -41.1 | 8 | 42.0 | 40.9 | -13.3 | 58 | 121.7 | 119.9 | 14.4 | 108 | 265.1 | 262.9 | 42.2 |
| -41 | 4.4 | 3.8 | -40.6 | 9 | 43.1 | 42.0 | -12.8 | 59 | 123.8 | 122.1 | 15.0 | 109 | 268.8 | 266.6 | 42.8 |
| -40 | 4.9 | 4.3 | -40.0 | 10 | 44.3 | 43.1 | -12.2 | 60 | 126.0 | 124.2 | 15.6 | 110 | 272.5 | 270.4 | 43.3 |
| -39 | 5.4 | 4.8 | -39.4 | 11 | 45.4 | 44.3 | -11.7 | 61 | 128.2 | 126.4 | 16.1 | 111 | 276.3 | 274.1 | 43.9 |
| -38 | 5.9 | 5.3 | -38.9 | 12 | 46.6 | 45.4 | -11.1 | 62 | 130.5 | 128.7 | 16.7 | 112 | 280.1 | 278.0 | 44.4 |
| -37 | 6.4 | 5.8 | -38.3 | 13 | 47.8 | 46.6 | -10.6 | 63 | 132.7 | 130.9 | 17.2 | 113 | 284.0 | 281.8 | 45.0 |
| -36 | 7.0 | 6.3 | -37.8 | 14 | 49.0 | 47.8 | -10.0 | 64 | 135.0 | 133.2 | 17.8 | 114 | 287.9 | 285.7 | 45.6 |
| -35 | 7.5 | 6.8 | -37.2 | 15 | 50.2 | 49.0 | -9.4 | 65 | 137.3 | 135.5 | 18.3 | 115 | 291.8 | 289.6 | 46.1 |
| -34 | 8.0 | 7.4 | -36.7 | 16 | 51.5 | 50.2 | -8.9 | 66 | 139.7 | 137.8 | 18.9 | 116 | 295.8 | 293.6 | 46.7 |
| -33 | 8.6 | 7.9 | -36.1 | 17 | 52.7 | 51.5 | -8.3 | 67 | 142.0 | 140.2 | 19.4 | 117 | 299.8 | 297.6 | 47.2 |
| -32 | 9.2 | 8.5 | -35.6 | 18 | 54.0 | 52.7 | -7.8 | 68 | 144.4 | 142.6 | 20.0 | 118 | 303.8 | 301.7 | 47.8 |
| -31 | 9.7 | 9.0 | -35.0 | 19 | 55.3 | 54.0 | -7.2 | 69 | 146.9 | 145.0 | 20.6 | 119 | 307.9 | 305.8 | 48.3 |
| -30 | 10.3 | 9.6 | -34.4 | 20 | 56.6 | 55.3 | -6.7 | 70 | 149.3 | 147.4 | 21.1 | 120 | 312.1 | 309.9 | 48.9 |
| -29 | 10.9 | 10.2 | -33.9 | 21 | 57.9 | 56.6 | -6.1 | 71 | 151.8 | 149.9 | 21.7 | 121 | 316.2 | 314.1 | 49.4 |
| -28 | 11.5 | 10.8 | -33.3 | 22 | 59.3 | 58.0 | -5.6 | 72 | 154.3 | 152.4 | 22.2 | 122 | 320.4 | 318.3 | 50.0 |
| -27 | 12.2 | 11.4 | -32.8 | 23 | 60.6 | 59.3 | -5.0 | 73 | 156.8 | 154.9 | 22.8 | 123 | 324.7 | 322.5 | 50.6 |
| -26 | 12.8 | 12.0 | -32.2 | 24 | 62.0 | 60.7 | -4.4 | 74 | 159.4 | 157.5 | 23.3 | 124 | 329.0 | 326.8 | 51.1 |
| -25 | 13.4 | 12.7 | -31.7 | 25 | 63.4 | 62.1 | -3.9 | 75 | 162.0 | 160.1 | 23.9 | 125 | 333.3 | 331.2 | 51.7 |
| -24 | 14.1 | 13.3 | -31.1 | 26 | 64.8 | 63.5 | -3.3 | 76 | 164.6 | 162.7 | 24.4 | 126 | 337.7 | 335.6 | 52.2 |
| -23 | 14.8 | 14.0 | -30.6 | 27 | 66.3 | 64.9 | -2.8 | 77 | 167.3 | 165.3 | 25.0 | 127 | 342.1 | 340.0 | 52.8 |
| -22 | 15.4 | 14.6 | -30.0 | 28 | 67.8 | 66.4 | -2.2 | 78 | 170.0 | 168.0 | 25.6 | 128 | 346.6 | 344.4 | 53.3 |
| -21 | 16.1 | 15.3 | -29.4 | 29 | 69.2 | 67.8 | -1.7 | 79 | 172.7 | 170.7 | 26.1 | 129 | 351.1 | 349.0 | 53.9 |
| -20 | 16.8 | 16.0 | -28.9 | 30 | 70.7 | 69.3 | -1.1 | 80 | 175.4 | 173.4 | 26.7 | 130 | 355.7 | 353.5 | 54.4 |
| -19 | 17.5 | 16.7 | -28.3 | 31 | 72.3 | 70.8 | -0.6 | 81 | 178.2 | 176.2 | 27.2 | 131 | 360.2 | 358.1 | 55.0 |
| -18 | 18.3 | 17.4 | -27.8 | 32 | 73.8 | 72.4 | 0.0 | 82 | 181.0 | 179.0 | 27.8 | 132 | 364.9 | 362.8 | 55.6 |
| -17 | 19.0 | 18.2 | -27.2 | 33 | 75.4 | 73.9 | 0.6 | 83 | 183.8 | 181.8 | 28.3 | 133 | 369.6 | 367.5 | 56.1 |
| -16 | 19.8 | 18.9 | -26.7 | 34 | 77.0 | 75.5 | 1.1 | 84 | 186.7 | 184.7 | 28.9 | 134 | 374.3 | 372.2 | 56.7 |
| -15 | 20.5 | 19.7 | -26.1 | 35 | 78.6 | 77.1 | 1.7 | 85 | 189.5 | 187.5 | 29.4 | 135 | 379.1 | 377.0 | 57.2 |
| -14 | 21.3 | 20.4 | -25.6 | 36 | 80.2 | 78.7 | 2.2 | 86 | 192.5 | 190.4 | 30.0 | 136 | 383.9 | 381.9 | 57.8 |
| -13 | 22.1 | 21.2 | -25.0 | 37 | 81.8 | 80.3 | 2.8 | 87 | 195.4 | 193.4 | 30.6 | 137 | 388.8 | 386.8 | 58.3 |
| -12 | 22.9 | 22.0 | -24.4 | 38 | 83.5 | 82.0 | 3.3 | 88 | 198.4 | 196.4 | 31.1 | 138 | 393.7 | 391.7 | 58.9 |
| -11 | 23.7 | 22.8 | -23.9 | 39 | 85.2 | 83.7 | 3.9 | 89 | 201.4 | 199.4 | 31.7 | 139 | 398.7 | 396.7 | 59.4 |
| -10 | 24.6 | 23.6 | -23.3 | 40 | 86.9 | 85.4 | 4.4 | 90 | 204.5 | 202.4 | 32.2 | 140 | 403.7 | 401.7 | 60.0 |
| -9 | 25.4 | 24.5 | -22.8 | 41 | 88.6 | 87.1 | 5.0 | 91 | 207.6 | 205.5 | 32.8 | 141 | 408.8 | 406.8 | 60.6 |
| -8 | 26.3 | 25.3 | -22.2 | 42 | 90.4 | 88.8 | 5.6 | 92 | 210.7 | 208.6 | 33.3 | 142 | 413.9 | 412.0 | 61.1 |
| -7 | 27.1 | 26.2 | -21.7 | 43 | 92.2 | 90.6 | 6.1 | 93 | 213.8 | 211.7 | 33.9 | 143 | 419.1 | 417.1 | 61.7 |
| -6 | 28.0 | 27.0 | -21.1 | 44 | 94.0 | 92.4 | 6.7 | 94 | 217.0 | 214.9 | 34.4 | 144 | 424.3 | 422.4 | 62.2 |
| -5 | 28.9 | 27.9 | -20.6 | 45 | 95.8 | 94.2 | 7.2 | 95 | 220.2 | 218.1 | 35.0 | 145 | 429.6 | 427.7 | 62.8 |
| -4 | 29.8 | 28.8 | -20.0 | 46 | 97.6 | 96.0 | 7.8 | 96 | 223.4 | 221.4 | 35.6 | 146 | 434.9 | 433.1 | 63.3 |
| -3 | 30.8 | 29.8 | -19.4 | 47 | 99.5 | 97.9 | 8.3 | 97 | 226.7 | 224.6 | 36.1 | 147 | 440.3 | 438.5 | 63.9 |
| -2 | 31.7 | 30.7 | -18.9 | 48 | 101.4 | 99.8 | 8.9 | 98 | 230.0 | 227.9 | 36.7 | 148 | 445.8 | 443.9 | 64.4 |
| -1 | 32.7 | 31.6 | -18.3 | 49 | 103.3 | 101.7 | 9.4 | 99 | 233.4 | 231.3 | 37.2 | 149 | 451.3 | 449.5 | 65.0 |
| 0 | 33.7 | 32.6 | -17.8 | 50 | 105.3 | 103.6 | 10.0 | 100 | 236.8 | 234.6 | 37.8 | 150 | 456.8 | 455.1 | 65.6 |

*Red Italics Indicate Inches of Mercury Below Atmospheric Pressure