# R-409A PT Chart

Saturation pressure vs temperature · Safety class A1 · Blend

°F / psig
°C / kPa

## °F and psig

| °F | Liquid bubble, psig | Vapor dew, psig |
|---|---|---|
| -40 | *6.7"* | *14.8"* |
| -35 | *3.5"* | *12.5"* |
| -30 | 0.0 | *9.9"* |
| -25 | 1.9 | *7.0"* |
| -20 | 4.0 | *3.8"* |
| -15 | 6.3 | *0.2"* |
| -10 | 8.8 | 1.8 |
| -5 | 11.6 | 3.9 |
| 0 | 14.6 | 6.3 |
| 5 | 17.8 | 8.8 |
| 10 | 21.3 | 11.6 |
| 15 | 25.1 | 14.7 |
| 20 | 29.2 | 18.0 |
| 25 | 33.6 | 21.6 |
| 30 | 38.4 | 25.5 |
| 35 | 43.4 | 29.7 |
| **40** | **48.9** | **34.2** |
| 45 | 54.7 | 39.1 |
| 50 | 60.9 | 44.3 |
| 55 | 67.4 | 49.9 |
| 60 | 74.5 | 55.9 |
| 65 | 81.9 | 62.3 |
| 70 | 89.8 | 69.1 |
| 75 | 98.2 | 76.4 |
| 80 | 107.0 | 84.2 |
| 85 | 116.3 | 92.4 |
| 90 | 126.2 | 101.2 |
| 95 | 136.6 | 110.5 |
| **100** | **147.6** | **120.3** |
| 105 | 159.1 | 130.7 |
| 110 | 171.2 | 141.7 |
| 115 | 183.9 | 153.3 |
| 120 | 197.2 | 165.5 |
| 125 | 211.1 | 178.4 |
| 130 | 225.8 | 192.0 |
| 135 | 241.0 | 206.3 |
| 140 | 257.0 | 221.3 |
| 145 | 273.7 | 237.1 |
| 150 | 291.1 | 253.6 |

## °C and kPa (gauge)

| °C | Liquid bubble, kPa | Vapor dew, kPa |
|---|---|---|
| -40 | -22.8 | -50.2 |
| -35 | -2.5 | -35.4 |
| -30 | 21.7 | -17.3 |
| -25 | 50.4 | 4.4 |
| -20 | 83.9 | 30.3 |
| -15 | 122.9 | 61.0 |
| -10 | 167.9 | 96.9 |
| -5 | 219.5 | 138.7 |
| 0 | 278.2 | 186.9 |
| 5 | 344.7 | 242.2 |
| 10 | 419.6 | 305.3 |
| 15 | 503.4 | 376.8 |
| 20 | 597.0 | 457.5 |
| 25 | 700.8 | 548.0 |
| 30 | 815.5 | 649.2 |
| 35 | 941.9 | 761.8 |
| 40 | 1080.5 | 886.6 |
| 45 | 1232.2 | 1024.5 |
| 50 | 1397.5 | 1176.4 |
| 55 | 1577.3 | 1343.2 |
| 60 | 1772.1 | 1525.8 |
| 65 | 1982.8 | 1725.3 |

Liquid = bubble point (use for subcooling). Vapor = dew point (use for superheat).

°F table: italic " = inches of mercury (inHg) vacuum.

°C table: negative kPa = vacuum.

Rows every 5° plus the first and last row. Every degree is on the website.

Source: manufacturer and supplier charts (Honeywell, Arkema, National Refrigerants). Reference only: always verify with the manufacturer's data and your gauges.