# R-414B PT Chart

Saturation pressure vs temperature · Safety class A1 · Blend

°F / psig
°C / kPa

## °F and psig

| °F | Liquid bubble, psig | Vapor dew, psig |
|---|---|---|
| -25 | 1.9 | *6.8″* |
| -20 | 4.0 | *3.5″* |
| -15 | 6.3 | 0.0 |
| -10 | 8.8 | 2.0 |
| -5 | 11.5 | 4.1 |
| 0 | 14.5 | 6.5 |
| 5 | 17.7 | 9.0 |
| 10 | 21.2 | 11.9 |
| 15 | 25.0 | 14.9 |
| 20 | 29.0 | 18.3 |
| 25 | 33.4 | 21.9 |
| 30 | 38.1 | 25.8 |
| 35 | 43.1 | 30.0 |
| **40** | **48.5** | **34.6** |
| 45 | 54.3 | 39.5 |
| 50 | 60.4 | 44.8 |
| 55 | 67.0 | 50.4 |
| 60 | 73.9 | 56.4 |
| 65 | 81.3 | 62.9 |
| 70 | 89.2 | 69.8 |
| 75 | 97.5 | 77.1 |
| 80 | 106.3 | 85.0 |
| 85 | 115.5 | 93.3 |
| 90 | 125.3 | 102.1 |
| 95 | 135.7 | 111.4 |
| **100** | **146.5** | **121.3** |
| 105 | 158.0 | 131.8 |
| 110 | 170.0 | 142.9 |
| 115 | 182.6 | 154.5 |
| 120 | 195.8 | 166.9 |
| 125 | 209.7 | 179.8 |
| 130 | 224.2 | 193.5 |
| 135 | 239.4 | 207.8 |
| 140 | 255.2 | 222.9 |
| 145 | 271.8 | 238.8 |
| 150 | 289.0 | 255.4 |

## °C and kPa (gauge)

| °C | Liquid bubble, kPa | Vapor dew, kPa |
|---|---|---|
| -31 | 16.6 | -20.5 |
| -30 | 21.7 | -16.5 |
| -25 | 50.1 | 5.4 |
| -20 | 83.4 | 31.5 |
| -15 | 122.1 | 62.4 |
| -10 | 166.7 | 98.5 |
| -5 | 217.9 | 140.6 |
| 0 | 276.2 | 189.2 |
| 5 | 342.2 | 245.0 |
| 10 | 416.5 | 308.6 |
| 15 | 499.8 | 380.6 |
| 20 | 592.7 | 461.9 |
| 25 | 695.8 | 553.1 |
| 30 | 809.8 | 655.0 |
| 35 | 935.4 | 768.4 |
| 40 | 1073.1 | 894.1 |
| 45 | 1223.8 | 1032.9 |
| 50 | 1387.9 | 1185.7 |
| 55 | 1566.3 | 1353.4 |
| 60 | 1759.6 | 1537.0 |
| 65 | 1968.5 | 1737.4 |

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.
Table stops where the published data stops; not extrapolated.
Rows every 5° plus the first and last row. Every degree is on the website.
Source: supplier chart (National Refrigerants). Reference only: always verify with the manufacturer's data and your gauges.