

| Physical Properties of Refrigerants           | R449A          |
|---|----------------|
| Environmental Classification                  | HFO            |
| Molecular Weight                              | 86.3 lbm/lbmol |
| Boiling Point (1 bar, °F)                     | -50.8          |
| Critical Pressure (psia)                      | 639.6          |
| Critical Temperature (°F)                     | 176.2          |
| Critical Density (lb./ft <sup>3</sup> )       | -              |
| Liquid Density (90 °F, kg/m <sup>3</sup> )    | 1061           |
| Vapor Density (22 °F, kg/m <sup>3</sup> )     | 7.3            |
| Heat of Vaporization (bp, BTU/lb.)            | -              |
| Specific Head Liquid (20 °F, BTU/lb. °F)      | -              |
| Specific Head Vapor (1atm, 20 °F, BTU/lb. °F) | -              |
| Ozone Depletion Potential (CFC 11 -1.0)       | 0              |
| Global Warming Potential (4th/5th IPCC)       | 1397           |
| ASHRAE Standard 34 Safety Rating              | A1             |

Pressure- Temp  
Chart

| Temp °F | R449A psig |
|---------|------------|
| -94.0   | -10.85     |
| -90.4   | -10.34     |
| -86.8   | -9.77      |
| -83.2   | -9.15      |
| -79.6   | -8.47      |
| -76     | -7.72      |
| -72.4   | -6.90      |
| -68.8   | -6.00      |
| -65.2   | -5.02      |
| -61.6   | -3.96      |
| -58     | -2.80      |
| -54.4   | -1.55      |
| -50.8   | -0.20      |
| -47.2   | 1.26       |
| -43.6   | 2.84       |
| -40     | 4.53       |
| -36.4   | 6.36       |
| -32.8   | 8.31       |
| -29.2   | 10.40      |
| -25.6   | 12.64      |
| -22.0   | 15.03      |
| -18.4   | 17.58      |
| -14.8   | 20.30      |
| -11.2   | 23.19      |
| -7.6    | 26.25      |
| -4.0    | 29.51      |
| -0.4    | 32.96      |
| 3.2     | 36.61      |
| 6.8     | 40.47      |
| 10.4    | 44.55      |
| 14      | 48.85      |
| 17.6    | 53.39      |
| 21.2    | 58.17      |
| 24.8    | 63.20      |
| 28.4    | 68.48      |
| 32      | 74.03      |

# R449A

**⚠ WARNING:** Cancer and Reproductive Harm -  
www.P65Warnings.ca.gov

*This information is believed to be accurate and reliable but is provided for guidance only. A-Gas accepts no responsibility and the user assumes all risks and liability for use of this information.*