


| Physical Properties of Refrigerants | R401A |
|---|--------|
| Environmental Classification | HCFC |
| Molecular Weight | 94.4 |
| Boiling Point (1atm, °F) | -29.9 |
| Critical Pressure (psia) | 669 |
| Critical Temperature (°F) | 221 |
| Critical Density(lb./ft ³) | 30.9 |
| Liquid Density (20 °F,lb./ft ³) | 74.6 |
| Vapor Density (bp,lb./ft ³) | 0.306 |
| Heat of Vaporization(bp,BTU/lb.) | 97.5 |
| Specific Head Liquid(20 °F, BTU/lb. °F) | 0.3037 |
| Specific Head Vapor (1atm, 20 °F,BTU/lb. °F) | 0.1755 |
| Ozone Depletion Potential (CFC 11 -1.0) | 0.037 |
| Global Warming Potential (CO ₂ =1.0) | 1182 |
| ASHRAE Standard 34 Safety Rating | A1 |

Pressure- Temp Chart

| Temp °F | Liquid psig | Vapor psig |
|---------|-------------|------------|
| -40 | 8.1" | 13.2" |
| -35 | 5.1" | 10.7" |
| -30 | 1.7" | 7.9" |
| -25 | 1 | 4.8" |
| -20 | 3 | 1.4" |
| -15 | 5.2 | 1.2 |
| -10 | 7.7 | 3.3 |
| -5 | 10.3 | 5.5 |
| 0 | 13.2 | 8 |
| 5 | 16.3 | 10.7 |
| 10 | 19.7 | 13.7 |
| 15 | 23.4 | 16.9 |
| 20 | 27.4 | 20.4 |
| 25 | 31.7 | 24.2 |
| 30 | 36.4 | 28.3 |
| 35 | 41.3 | 32.8 |
| 40 | 46.6 | 37.6 |
| 45 | 52.4 | 42.7 |
| 50 | 58.5 | 48.2 |
| 55 | 65 | 54.1 |
| 60 | 71.9 | 60.4 |
| 65 | 79.3 | 67.2 |
| 70 | 87.1 | 74.4 |
| 75 | 95.4 | 82.1 |
| 80 | 104 | 90.2 |
| 85 | 114 | 98.9 |
| 90 | 123 | 108 |
| 95 | 134 | 118 |
| 100 | 145 | 128 |
| 105 | 156 | 139 |
| 110 | 169 | 151 |
| 115 | 181 | 163 |
| 120 | 195 | 176 |
| 125 | 209 | 189 |
| 130 | 224 | 203 |
| 135 | 239 | 218 |
| 140 | 255 | 234 |
| 145 | 272 | 250 |
| 150 | 290 | 267 |

R401A

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

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