


| Physical Properties of Refrigerants              | R-22   |
|--|--------|
| Environmental Classification                     | HCFC   |
| Molecular Weight                                 | 86.5   |
| Boiling Point (1atm, °F)                         | -41.5  |
| Critical Pressure (psia)                         | 723.7  |
| Critical Temperature (°F)                        | 205.1  |
| Critical Density(lb./ft <sup>3</sup> )           | 32.7   |
| Liquid Density (20 °F,lb./ft <sup>3</sup> )      | 75.3   |
| Vapor Density (bp,lb./ft <sup>3</sup> )          | 0.294  |
| Heat of Vaporization(bp,BTU/lb.)                 | 100.5  |
| Specific Head Liquid( 20 °F, BTU/lb. °F)         | 0.2967 |
| Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)     | 0.1573 |
| Ozone Depletion Potential (CFC 11 -1.0)          | 0.05   |
| Global Warming Potential (CO <sub>2</sub> = 1.0) | 1810   |
| ASHRAE Standard 34 Safety Rating                 | A1     |

Pressure- Temp  
Chart

| Temp °F | R-22 psig |
|---------|-----------|
| -40     | 0.5       |
| -35     | 2.6       |
| -30     | 4.9       |
| -25     | 7.4       |
| -20     | 10.1      |
| -15     | 13.2      |
| -10     | 16.5      |
| -5      | 20.1      |
| 0       | 24        |
| 5       | 28.2      |
| 10      | 32.8      |
| 15      | 37.7      |
| 20      | 43        |
| 25      | 48.8      |
| 30      | 54.9      |
| 35      | 61.5      |
| 40      | 68.5      |
| 45      | 76        |
| 50      | 84        |
| 55      | 92.6      |
| 60      | 102       |
| 65      | 111       |
| 70      | 121       |
| 75      | 132       |
| 80      | 144       |
| 85      | 156       |
| 90      | 168       |
| 95      | 182       |
| 100     | 196       |
| 105     | 211       |
| 110     | 226       |
| 115     | 243       |
| 120     | 260       |
| 125     | 278       |
| 130     | 297       |
| 135     | 317       |
| 140     | 337       |
| 145     | 359       |
| 150     | 382       |

# R-22

 **WARNING:** Cancer and Reproductive Harm -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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