



## Pressure Temperature Charts

| °F  | °C    | R-402B       |
|-----|-------|--------------|
| -40 | -40.0 | <b>3.6</b>   |
| -35 | -37.2 | <b>6.0</b>   |
| -30 | -34.4 | <b>9.0</b>   |
| -25 | -31.7 | <b>12.0</b>  |
| -20 | -28.9 | <b>15.4</b>  |
| -15 | -26.1 | <b>18.6</b>  |
| -10 | -23.3 | <b>22.6</b>  |
| -5  | -20.6 | <b>27.0</b>  |
| 0   | -17.8 | <b>31.0</b>  |
| 5   | -15.0 | <b>36.0</b>  |
| 10  | -12.2 | <b>42.0</b>  |
| 15  | -9.4  | <b>47.0</b>  |
| 20  | -6.7  | <b>54.0</b>  |
| 25  | -3.9  | <b>60.0</b>  |
| 30  | -1.1  | <b>67.0</b>  |
| 35  | 1.7   | <b>75.0</b>  |
| 40  | 4.4   | <b>83.4</b>  |
| 45  | 7.2   | <b>91.6</b>  |
| 50  | 10.0  | <b>100.0</b> |
| 55  | 12.8  | <b>110.0</b> |

| °F  | °C   | R-402B       |
|-----|------|--------------|
| 60  | 15.6 | <b>120.0</b> |
| 65  | 18.3 | <b>133.0</b> |
| 70  | 21.1 | <b>143.0</b> |
| 75  | 23.9 | <b>155.0</b> |
| 80  | 26.7 | <b>170.0</b> |
| 85  | 29.4 | <b>183.0</b> |
| 90  | 32.2 | <b>198.0</b> |
| 95  | 35.0 | <b>213.0</b> |
| 100 | 37.8 | <b>230.0</b> |
| 105 | 40.6 | <b>247.0</b> |
| 110 | 43.3 | <b>262.0</b> |
| 115 | 46.1 | <b>283.0</b> |
| 120 | 48.9 | <b>303.0</b> |
| 125 | 51.7 | <b>323.0</b> |
| 130 | 54.4 | <b>345.0</b> |
| 135 | 57.2 | -            |
| 140 | 60.0 | -            |
| 145 | 62.8 | -            |
| 150 | 65.6 | -            |

**Vapor Pressure in PSIG**

## Refrigerant Boiling Point

| Refrigerant | Components                                                                               | BP (0 PSIG): |
|-------------|------------------------------------------------------------------------------------------|--------------|
| R-402B      | R-125 (38%), R-290 (2%), R-22 (60%)<br>Chlorodifluoromethane, Pentafluoroethane, Propane | -56.5°F      |

## Liquid Density

| Refrigerant |           | -80°F | -40°F | 0°F   | 40°F  | 80°F  | 120°F |
|-------------|-----------|-------|-------|-------|-------|-------|-------|
| R-402B      | #/cu. ft. | 90.88 | 86.67 | 82.14 | 77.12 | 71.34 | 61.16 |
|             | #/gal.    | 12.15 | 11.59 | 10.98 | 10.31 | 9.54  | 8.18  |

## Physical Properties

|                                      | R-402B     |
|--------------------------------------|------------|
| Environmental Classification         | HCFC       |
| Molecular Weight                     | 94.7 g/mol |
| Boiling Point (1atm, °F)             | -52.9      |
| Critical Pressure (psia)             | 645        |
| Critical Temperature (°F)            | 180.7      |
| Critical Density (lb./ft ^3)         | 33.1       |
| Vapor Density (bp, lb./ft ^3)        | 0.328      |
| Heat of Vaporization (bp, BTU/lb.)   | 90.42      |
| Global Warming Potential (CO2 = 1.0) | 2416       |
| ASHRAE Standard 34 Safety Rating     | A1         |

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