



## Pressure Temperature Charts

| °F  | °C    | R-236FA      |
|-----|-------|--------------|
| -40 | -40   | <b>-12.6</b> |
| -35 | -37.2 | <b>-12.2</b> |
| -30 | -34.4 | <b>-11.8</b> |
| -25 | -31.7 | <b>-11.3</b> |
| -20 | -28.9 | <b>-10.7</b> |
| -15 | -26.1 | <b>-10.1</b> |
| -10 | -23.3 | <b>-9.3</b>  |
| -5  | -20.6 | <b>-8.5</b>  |
| 0   | -17.8 | <b>-7.6</b>  |
| 5   | -15.0 | <b>-6.6</b>  |
| 10  | -12.2 | <b>-5.5</b>  |
| 15  | -9.4  | <b>-4.3</b>  |
| 20  | -6.7  | <b>-2.9</b>  |
| 25  | -3.9  | <b>-1.4</b>  |
| 30  | -1.1  | <b>0.2</b>   |
| 35  | 1.7   | <b>2.0</b>   |
| 40  | 4.4   | <b>4.0</b>   |
| 45  | 7.2   | <b>6.1</b>   |
| 50  | 10.0  | <b>8.5</b>   |
| 55  | 12.8  | <b>11.0</b>  |

| °F  | °C   | R-236FA      |
|-----|------|--------------|
| 60  | 15.6 | <b>13.7</b>  |
| 65  | 18.3 | <b>16.7</b>  |
| 70  | 21.1 | <b>19.9</b>  |
| 75  | 23.9 | <b>23.3</b>  |
| 80  | 26.7 | <b>27.0</b>  |
| 85  | 29.4 | <b>30.9</b>  |
| 90  | 32.2 | <b>35.2</b>  |
| 95  | 35.0 | <b>39.7</b>  |
| 100 | 37.8 | <b>44.6</b>  |
| 105 | 40.6 | <b>49.7</b>  |
| 110 | 43.3 | <b>55.2</b>  |
| 115 | 46.1 | <b>61.1</b>  |
| 120 | 48.9 | <b>67.3</b>  |
| 125 | 51.7 | <b>73.8</b>  |
| 130 | 54.4 | <b>80.8</b>  |
| 135 | 57.2 | <b>88.2</b>  |
| 140 | 60.0 | <b>96.0</b>  |
| 145 | 62.8 | <b>104.2</b> |
| 150 | 65.6 | <b>112.9</b> |

**Vapor Pressure in PSIG**

## Refrigerant Boiling Point

| Refrigerant | Components                                  | BP (0 PSIG): |
|-------------|---------------------------------------------|--------------|
| R-236FA     | R-236FA(100%) 1,1,1,3,3,3-Hexafluoropropane | 29.3°F       |

## Liquid Density

| Refrigerant | Liquid Density: | -80°F | -40°F | 0°F  | 40°F | 80°F | 120°F |
|-------------|-----------------|-------|-------|------|------|------|-------|
| R-236FA     | lb/cu. ft.      | 101.3 | 97.4  | 93.4 | 89.1 | 84.5 | 79.5  |
|             | lb/gal.         | 13.5  | 13.0  | 12.5 | 11.9 | 11.3 | 10.6  |

## Physical Properties

|                                           | R-236FA      |
|-------------------------------------------|--------------|
| Environmental Classification              | HFC          |
| Molecular Weight                          | 152.04 g/mol |
| Boiling Point (1atm, °F)                  | 29.3         |
| Critical Pressure (psia)                  | 464.1        |
| Critical Temperature (°F)                 | 256.9        |
| Critical Density (lb./ft ^3)              | 34.4         |
| Vapor Density (bp, lb./ft ^3)             | 0.4          |
| Liquid Heat of Vaporization (bp, BTU/lb.) | 85.3         |
| Ozone Depletion Potential (CFC 11 -1.0)   | 0            |
| Global Warming Potential (CO2 = 1.0)      | 8060         |
| ASHRAE Standard 34 Safety Rating          | A1           |

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