

Pressure Temperature Charts



°F	°C	R-600
-70	-56.7	-13.8
-60	-51.1	-13.4
-50	-45.6	-12.9
-40	-40	-12.3
-30	-34.4	-11.4
-20	-28.9	-10.4
-10	-23.3	-9.1
0	-17.8	-7.5
10	-12.2	-5.5
20	-6.7	-3.1
30	-1.1	-0.3
40	4.4	3.0
50	10	6.9
60	15.6	11.4
70	21.1	16.6
80	26.7	22.5
90	32.2	29.3
100	37.8	37.0

°F	°C	R-600
110	43.3	45.6
120	48.9	55.3
130	54.4	66.1
140	60	78.0
150	65.6	91.3
160	71.1	105.8
170	76.7	121.8
180	82.2	139.4
190	87.8	158.5
200	93.3	179.3
210	98.9	201.9
220	104.4	226.4

Vapor Pressure in PSIG

Refrigerant Boiling Point

Refrigerant	Components	BP
R-600	R-600 (>99.5%) n-Butane	31.3°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-600	lb./ft. ³	41.2	40.1	38.7	37.2	35.6	33.9
	lb./gal.	5.5	5.4	5.2	5.0	4.8	4.5

Physical Properties

	R-600
Environmental Classification	Hydrocarbon
Molecular Weight	58.14 g/mole
Boiling Point (1 atm, °F)	31.3°F
Critical Pressure (psia)	550.6 psia
Critical Temperature (°F)	305.3°F
Critical Density (lb./ft. ³)	14.22 lb./ft. ³
Vapor Density (bp, lb./ft. ³)	0.17 lb./ft. ³
Heat of Vaporization (bp, btu/lb.)	165.4 btu/lb.
Ozone Depletion Potential	0
Global Warming Potential (CO ₂ = 1.0)	4 *
ASHRAE Standard 34 Safety Rating	A3

*GWP numbers are updated periodically. Please refer to EPA or ASHRAE for the latest information.