



Pressure Temperature Charts

°F	°C	R-404A
-40	-40.0	4.3
-35	-37.2	6.8
-30	-34.4	9.5
-25	-31.7	12.5
-20	-28.9	15.7
-15	-26.1	19.3
-10	-23.3	23.2
-5	-20.6	27.5
0	-17.8	32.1
5	-15.0	37.0
10	-12.2	42.4
15	-9.4	48.2
20	-6.7	54.5
25	-3.9	61.2
30	-1.1	68.4
35	1.7	76.1
40	4.4	84.4
45	7.2	93.2
50	10.0	103.0
55	12.8	113.0

°F	°C	R-404A
60	15.6	123.0
65	18.3	135.0
70	21.1	147.0
75	23.9	159.0
80	26.7	173.0
85	29.4	187.0
90	32.2	202.0
95	35.0	218.0
100	37.8	234.0
105	40.6	252.0
110	43.3	270.0
115	46.1	289.0
120	48.9	310.0
125	51.7	331.0
130	54.4	353.0
135	57.2	377.0
140	60.0	401.0
145	62.8	426.0
150	65.6	453.0

Vapor Pressure in PSIG

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-404A	R-143a (52%), R-125 (44%), R-134A (4%) 1,1,1-Trifluoroethane, Pentafluoroethane, 1,1,1,2-Tetrafluoroethane	-51.8°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-404A	#/cu. ft.	-	80.4	75.9	70.8	64.8	56.7
	#/gal.	-	10.7	10.1	9.5	8.7	7.6

Physical Properties

	R-404A
Environmental Classification	HFC
Molecular Weight	97.6 g/mol
Boiling Point (1atm, °F)	-51.8
Critical Pressure (psia)	548.2
Critical Temperature (°F)	162.5
Critical Density (lb./ft ^3)	35.84
Vapor Density (bp, lb./ft ^3)	0.342
Heat of Vaporization (bp, BTU/lb.)	86.1
Global Warming Potential (CO2 = 1.0)	3900
ASHRAE Standard 34 Safety Rating	A1

Looking to Buy or Sell Refrigerant?

[See our Full Product Line](#)

Get **Paid** for Your Recovered
Refrigerant