Pressure Temperature Charts

HUDSON TECHNOLOGIES

°F	°C	R-134a
-40	-40.0	14.8
-35	-37.2	12.5
-30	-34.4	9.9
-25	-31.7	6.9
-20	-28.9	3.7
-15	-26.1	0.6
-10	-23.3	1.9
-5	-20.6	4
0	-17.8	6.5
5	-15.0	9.1
10	-12.2	11.9
15	-9.4	15
20	-6.7	18.4
25	-3.9	22.1
30	-1.1	26.1
35	1.7	30.4
40	4.4	35
45	7.2	40.1
50	10.0	45.5
55	12.8	51.3

°F	°C	R-134a
60	15.6	57.5
65	18.3	64.1
70	21.1	71.2
75	23.9	78.8
80	26.7	86.8
85	29.4	95.4
90	32.2	104
95	35.0	114
100	37.8	124
105	40.6	135
110	43.3	147
115	46.1	159
120	48.9	171
125	51.7	185
130	54.4	199
135	57.2	214
140	60.0	229
145	62.8	246
150	65.6	263

Vapor Pressure in PSIG

In Vacuum (inches in Hg)

Refrigerant Boiling Point

Refrigerant	Components	BP
R-134a	R-134a (100%) 1,1,1,2-Tetrafluoroethane	-14.9°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-134a	#/cu. ft.	92.4	88.5	84.4	79.9	75	69.2
	#/gal.	12.4	11.8	11.3	10.7	10	9.3

Physical Properties

	R-134a
Environmental Classification	HFC
Molecular Weight	102.3
Boiling Point (1atm,°F)	-14.9
Critical Pressure (psia)	588.3
Critical Temperature (°F)	213.8
Critical Density (lb./ft^ 3)	32.04
Vapor Density (bp,lb./ft^ 3)	0.328
Heat of Vaporization (bp,BTU/lb.)	93.3
Global Warming Potential (CO2 = 1.0)	1430
ASHRAE Standard 34 Safety Rating	A1