

Physical Properties of Refrigerants	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
Liquid Density (20 °F,lb./ft ³)	76.2
Vapor Density (bp,lb./ft ³)	0.328
Heat of Vaporization(bp,BTU/lb.)	93.3
Specific Head Liquid(20 °F, BTU/lb. °F)	0.3366
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.2021
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	1430
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-134a psig
-40	14.8"
-35	12.5"
-30	9.9"
-25	6.9"
-20	3.7"
-15	0.6
-10	1.9
-5	4
0	6.5
5	9.1
10	11.9
15	15
20	18.4
25	22.1
30	26.1
35	30.4
40	35
45	40.1
50	45.5
55	51.3
60	57.5
65	64.1
70	71.2
75	78.8
80	86.8
85	95.4
90	104
95	114
100	124
105	135
110	147
115	159
120	171
125	185
130	199
135	214
140	229
145	246
150	263

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