

Physical Properties of Refrigerants	R-414B
Environmental Classification	HCFC
Molecular Weight	101.6
Boiling Point (1atm, °F)	-29.9
Critical Pressure (psia)	665.4
Critical Temperature (°F)	226.4
Critical Density(lb./ft <sup>3</sup> )	31.6
Liquid Density (70 °F,lb./ft <sup>3</sup> )	76.02
Vapor Density (bp,lb./ft <sup>3</sup> )	0.325
Heat of Vaporization(bp,BTU/lb.)	91.5
Specific Heat Liquid( 20 °F, BTU/lb. °F)	0.2913
Specific Heat Vapor (1atm, 70 °F,BTU/lb. °F)	0.1723
Ozone Depletion Potential (CFC 11 -1.0)	0.043
Global Warming Potential (CO <sub>2</sub> = 1.0)	1365
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp  
Chart

Temp °F	Liquid
-30	2
-25	0.8
-20	2.8
-15	4.9
-10	7.3
-5	9.9
0	12.7
5	15.7
10	19
15	22.6
20	26.4
25	30.6
30	35
35	39.8
40	44.9
45	50.4
50	56.2
55	62.4
60	69
65	76
70	83.5
75	91.4
80	99.7
85	109
90	118
95	128
100	138
105	149
110	160
115	172
120	185
125	198
130	212
135	227
140	242

# R-414B

*This information is believed to be accurate and reliable but is provided for guidance only. A-Gas accepts no responsibility and the user assumes all risks and liability for use of this information.*

Vapor
11.3
8.6
5.6
2.3
0.7
2.7
4.9
7.3
9.9
12.8
15.9
19.2
22.9
26.9
31.1
35.7
40.7
46
51.6
57.7
64.2
71.1
78.4
86.2
94.5
103
113
122
133
144
156
168
181
194
208