

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 ³)	31.6
Liquid Density (70 °F, lb./ft ³)	76.02
Vapor Density (bp, lb./ft ³)	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 ₂ = 1.0)	1365
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	Liquid	Vapor
-30	2	11.3
-25	0.8	8.6
-20	2.8	5.6
-15	4.9	2.3
-10	7.3	0.7
-5	9.9	2.7
0	12.7	4.9
5	15.7	7.3
10	19	9.9
15	22.6	12.8
20	26.4	15.9
25	30.6	19.2
30	35	22.9
35	39.8	26.9
40	44.9	31.1
45	50.4	35.7
50	56.2	40.7
55	62.4	46
60	69	51.6
65	76	57.7
70	83.5	64.2
75	91.4	71.1
80	99.7	78.4
85	109	86.2
90	118	94.5
95	128	103
100	138	113
105	149	122
110	160	133
115	172	144
120	185	156
125	198	168
130	212	181
135	227	194
140	242	208

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