

Physical Properties of Refrigerants	R-502
Environmental Classification	CFC
Molecular Weight	111.6
Boiling Point (1atm, °F)	-49.5
Critical Pressure (psia)	582.8
Critical Temperature (°F)	177.3
Critical Density(lb./ft ³)	35.5
Liquid Density (20 °F,lb./ft ³)	77
Vapor Density (bp,lb./ft ³)	0.388
Heat of Vaporization(bp,BTU/lb.)	74.2
Specific Head Liquid(20 °F, BTU/lb. °F)	0.2958
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.1641
Ozone Depletion Potential (CFC 11 -1.0)	0.23
Global Warming Potential (CO ₂ = 1.0)	4657
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-502 psig
-40	4.1
-35	6.5
-30	9.2
-25	12.1
-20	15.3
-15	18.8
-10	22.6
-5	26.7
0	31.1
5	35.9
10	41
15	46.5
20	52.4
25	58.8
30	65.6
35	72.8
40	80.5
45	88.7
50	97.4
55	107
60	116
65	127
70	138
75	149
80	161
85	174
90	187
95	201
100	216
105	232
110	248
115	265
120	283
125	301
130	321
135	341
140	363

R-502



WARNING: Cancer and Reproductive Harm -
www.P65Warnings.ca.gov.

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