

Physical Properties of Refrigerants	R-12
Environmental Classification	CFC
Molecular Weight	120.9
Boiling Point (1atm, °F)	-21.6
Critical Pressure (psia)	600
Critical Temperature (°F)	233.5
Critical Density(lb./ft ³)	35.3
Liquid Density (20 °F, lb./ft ³)	82.96
Vapor Density (bp, lb./ft ³)	0.393
Heat of Vaporization(bp, BTU/lb.)	71.2
Specific Head Liquid(20 °F, BTU/lb. °F)	0.2324
Specific Head Vapor (1atm, 20 °F, BTU/lb. °F)	0.1455
Ozone Depletion Potential (CFC 11 -1.0)	1.0
Global Warming Potential (CO ₂ = 1.0)	10910
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-12 psig
-40	11.0"
-35	8.4"
-30	5.5"
-25	2.3"
-20	0.6
-15	2.4
-10	4.5
-5	6.7
0	9.2
5	11.8
10	14.6
15	17.7
20	21
25	24.6
30	28.5
35	32.6
40	37
45	41.7
50	46.7
55	52
60	57.7
65	63.8
70	70.2
75	77
80	84.2
85	91.8
90	99.8
95	108
100	117
105	127
110	136
115	147
120	158
125	169
130	181
135	194
140	207
145	220
150	234

R-12

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

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