

Physical Properties of Refrigerants	R-125
Environmental Classification	HFC
Molecular Weight	120.02
Boiling Point (1atm, °F)	-54.7
Critical Pressure (psia)	526.6
Critical Temperature (°F)	151.25
Critical Density(lb./ft ³)	35.7
Liquid Density (20 °F,lb./ft ³)	
Vapor Density (bp,lb./ft ³)	0.3111
Heat of Vaporization(bp,BTU/lb.)	70.7
Specific Heat Liquid(20 °F, BTU/lb. °F)	0.327
Specific Heat Vapor (1atm, 20 °F,BTU/lb. °F)	0.193
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	2800
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-125 psig
-40	6.9
-35	9.7
-30	12.8
-25	16.2
-20	20
-15	24.1
-10	28.5
-5	33.3
0	38.5
5	44.1
10	50.2
15	56.7
20	63.7
25	71.2
30	79.3
35	87.8
40	97.0
45	106.7
50	117.1
55	128.1
60	139.8
65	152.2
70	165.3
75	179.2
80	193.9
85	209.3
90	225.7
95	242.9
100	261.0
105	280.1
110	300.2
115	321.3
120	343.5
125	366.9
130	391.5
135	417.4
140	444.7
145	473.6
150	

R-125

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