


Physical Properties of Refrigerants	R-123
Environmental Classification	HCFC
Molecular Weight	152.9
Boiling Point (1atm, °F)	82.1
Critical Pressure (psia)	531.1
Critical Temperature (°F)	362.6
Critical Density(lb./ft <sup>3</sup> )	34.3
Liquid Density (20 °F,lb./ft <sup>3</sup> )	91.95
Vapor Density (bp,lb./ft <sup>3</sup> )	0.404
Heat of Vaporization(bp,BTU/lb.)	73.2
Specific Head Liquid( 20 °F, BTU/lb. °F)	0.2329
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.1645(sat)
Ozone Depletion Potential (CFC 11 -1.0)	0.0015
Global Warming Potential (CO <sub>2</sub> = 1.0)	77
ASHRAE Standard 34 Safety Rating	B1

Pressure- Temp  
Chart

Temp °F	R-123 psig
-20	27.8"
-15	27.4"
-10	26.9"
-5	26.4"
0	25.9"
5	25.2"
10	24.5"
15	23.8"
20	22.8"
25	21.8"
30	20.7"
35	19.5"
40	18.1"
45	16.6"
50	14.9"
55	13.0"
60	11.2"
65	8.9"
70	6.5"
75	4.1"
80	1.2"
85	0.9
90	205
95	4.3
100	6.1
105	8.1
110	10.3
115	12.6
120	15.1
125	17.8
130	20.6
135	23.6
140	26.8
145	30.2
150	33.9

# R-123

 **WARNING:** Cancer and Reproductive Harm -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

*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.*