

Physical Properties of Refrigerants	R-23
Environmental Classification	HFC
Molecular Weight	70
Boiling Point (1atm, °F)	-115.6
Critical Pressure (psia)	701.4
Critical Temperature (°F)	78.7
Critical Density (lb./ft ³)	32.8
Liquid Density (20 °F, lb./ft ³)	67.46
Vapor Density (bp, lb./ft ³)	0.29
Heat of Vaporization (bp, BTU/lb.)	102.7
Specific Head Liquid (20 °F, BTU/lb. °F)	0.4063
Specific Head Vapor (1atm, 20 °F, BTU/lb. °F)	0.1663
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	14800
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-23 psig
-125	7.8"
-120	4.0"
-115	0.3
-110	2.9
-105	5.8
-100	9
-95	12.7
-90	16.7
-85	21.3
-80	26.3
-75	31.8
-70	37.9
-65	44.6
-60	52
-55	60
-50	68.7
-45	78.1
-40	88.3
-35	99.4
-30	111
-25	124
-20	138
-15	152
-10	168
-5	185
0	203
5	222
10	242
15	264
20	287

R-23

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