

Physical Properties of Refrigerants

R23

Environmental Classification	HFC
Molecular Weight	70
Boiling Point (°C), 101.3KPa	-115.6
Critical Pressure (psia)	701.4
Critical Temperature (°C)	78.7
Critical Density (lb./ft ³)	32.8
Liquid Density , 30 °C, (KG / M ³)	67.46
Vapor Density (bp, lb./ft ³)	0.29
Heat of Vaporization (bp, BTU/lb.)	102.7
Specific Heat , Liquid , 30 °C , (KJ / KG .K)	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 °C	R-22 psig
-84.4	4.0
-81.7	0.3
-78.9	2.9
-76.1	5.8
-73.3	9.0
-70.6	12.7
-67.8	16.7
-65.0	21.3
-62.2	26.3
-59.4	31.8
-56.7	37.9
-53.9	44.6
-51.1	52.0
-48.3	60.0
-45.6	68.7
-42.8	78.1
-40.0	88.3
-37.2	99.4
-34.4	111
-31.7	124
-28.9	138

This information is believed to be accurate and reliable but is provided for guidance only.

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