

Physical Properties of Refrigerants

R125

Pressure- Temp Chart

Enviromental Classification	HFCs
Formula	CHF 2CF 3
Molecular Weight	120.000
Boiling Point (101.3 kpa, °C)	-48.8
Freezing point (°C)	-102.8
Critical Pressure (kpa)	3619.8
Critical Temperature (°C)	66.1
Critical Density(kg/m3)	573.58
Liquid Density 30°C (kg/m3)	1158.1
Vapour Density (air = 1.0)	4.2
Vapour pressure at 25°C (Bar)	1.371
Specific Heat Liquid 30 °C (KJ/Kg.K)	147
Specific Heat Vapor 25 °C (KJ/Kg.K)	165
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO2 = 1.0)	0.84
ASHRAE Standard 34 Safety Rating	A1

Temp °C	R125 psig
-95.6	-14.0
-95.0	-14.0
-94.4	-14.0
-93.9	-13.9
-93.3	-13.9
-92.8	-13.9
-92.2	-13.8
-91.7	-13.8
-91.1	-13.7
-90.6	-13.7
-90.0	-13.6
-89.4	-13.6
-89.9	-13.5
-88.3	-13.5
-87.8	-13.4
-87.2	-13.4
-86.7	-13.3
-86.1	-13.3
-85.6	-13.2
-85.0	-13.1
-84.4	-13.1
-83.9	-13.0
-83.3	-12.9
-82.8	-12.9
-82.2	-12.8

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

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