

Physical Properties of Refrigerants	R-403B
Environmental Classification	HCFC
Molecular Weight	103.25
Boiling Point (1atm, °F)	-46.8
Critical Pressure (psia)	637.7
Critical Temperature (°F)	191.6
Critical Density(lb./ft ³)	32.9
Liquid Density (20 °F,lb./ft ³)	72.8
Vapor Density (bp,lb./ft ³)	0.35
Heat of Vaporization(bp,BTU/lb.)	82.1
Specific Head Liquid(20 °F, BTU/lb. °F)	0.313
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.182
Ozone Depletion Potential (CFC 11 -1.0)	0.028
Global Warming Potential (CO ₂ = 1.0)	4460
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-403B psig
-70	10.5"
-65	7.8"
-60	4.5"
-55	1.2"
-50	1.3
-45	3.3
-40	4.8
-35	7.4
-30	10.1
-25	13.2
-20	16.5
-15	20.1
-10	24
-5	28.2
0	32.8
5	37.7
10	43
15	48.7
20	54.9
25	61.4
30	68.4
35	75.9
40	84.8
45	93.3
50	102
55	112
60	122
65	132
70	144
75	156
80	168
85	181
90	195
95	210
100	225
105	242
110	258
115	276
120	295

R-403B

⚠ WARNING: Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

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