

Physical Properties of Refrigerants	R404A
Environmental Classification	HFC
Molecular Weight	97.6
Boiling Point (1atm, °F)	-51.8
Critical Pressure (psia)	548.2
Critical Temperature (°F)	162.5
Critical Density(lb./ft ³)	35.84
Liquid Density (20 °F,lb./ft ³)	66.37
Vapor Density (bp,lb./ft ³)	0.342
Heat of Vaporization(bp,BTU/lb.)	86.1
Specific Head Liquid(20 °F, BTU/lb. °F)	0.3600
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.2077
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	3920
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °C	R404A psig
-40	4.3
-37.2	6.8
-34.4	9.5
-31.6	12.5
-28.8	15.7
-26.1	19.3
-23.3	23.2
-17.7	27.5
-20.5	32.1
-15	37.0
-12.2	42.4
-9.4	48.2
-6.6	54.5
-3.8	61.2
-1.1	68.4
1.6	76.1
4.4	84.4
7.2	93.2
10	103
12.7	113
15.5	123
18.3	135
21.1	147
23.8	159
26.6	173
29.4	187
32.2	202
35	218
37.7	234
40.5	252
43.3	270
46.1	289
48.8	310
51.6	331
54.4	353
57.2	377
60	401

R404A

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