

Physical Properties of Refrigerants	R-504
Environmental Classification	HCFC
Molecular Weight	87.25
Boiling Point (1atm, °F)	-125.5
Critical Pressure (psia)	618.6
Critical Temperature (°F)	65.2
Critical Density (lb./ft ³)	34.4
Liquid Density (70 °F, lb./ft ³)	68.4
Vapor Density (bp, lb./ft ³)	0.373
Heat of Vaporization (bp, BTU/lb.)	77.1
Specific Heat Liquid (20 °F, BTU/lb. °F)	0.3671
Specific Heat Vapor (1atm, 70 °F, BTU/lb. °F)	0.1537
Ozone Depletion Potential (CFC 11 -1.0)	0.06
Global Warming Potential (CO ₂ = 1.0)	14560
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-504 psig
-40	13.8
-35	17.4
-30	21.3
-25	25.6
-20	30.3
-15	35.5
-10	41
-5	47
0	53.5
5	60.5
10	68
15	76.1
20	84.8
25	94.1
30	104.1
35	114.7
40	126
45	138
50	150.8
55	164.4
60	178.8
65	194
70	210.1
75	227.2
80	245.1
85	264.1
90	284
95	304.9
100	327
105	350.1
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110	374.4
115	399.8
120	426.4
125	454.3
130	483.4
135	513.8

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