

Physical Properties of Refrigerants	R-507
Environmental Classification	HFC
Molecular Weight	98.9
Boiling Point (1atm, °F)	-52.8
Critical Pressure (psia)	539
Critical Temperature (°F)	159
Critical Density(lb./ft ³)	30.7
Liquid Density (20 °F,lb./ft ³)	66.65
Vapor Density (bp,lb./ft ³)	0.349
Heat of Vaporization(bp,BTU/lb.)	84.35
Specific Head Liquid(20 °F, BTU/lb. °F)	0.3593
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.2064
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	3985
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-507 psig
-40	5.5
-35	8.2
-30	11.1
-25	14.3
-20	17.8
-15	21.7
-10	25.8
-5	30.3
0	35.2
5	40.5
10	46.1
15	52.2
20	58.8
25	65.8
30	73.3
35	81.3
40	89.8
45	98.9
50	109
55	119
60	130
65	141
70	154
75	167
80	180
85	195
90	210
95	226
100	244
105	252
110	281
115	301
120	322
125	344
130	368
135	393
140	419
145	446
150	475

R-507

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

This information is believed to be accurate and reliable but is provided for guidance only. A-Gas accepts no responsibility and the user assumes all risks and liability for use of this information.