

Physical Properties of Refrigerants	R-218
Environmental Classification	HNOC
Molecular Weight	188.03
Boiling Point (1atm, °F)	-34.1
Critical Pressure (psia)	388.7011
Critical Temperature (°F)	161.42
Critical Density(lb./ft <sup>3</sup> )	
Liquid Density (20 °F,lb./ft <sup>3</sup> )	99.94719
Vapor Density (bp,lb./ft <sup>3</sup> )	0.643
Heat of Vaporization(bp,BTU/lb.)	44.81943
Specific Heat Liquid( 20 °F, BTU/lb. °F)	
Specific Heat Vapor (1atm, 20 °F,BTU/lb. °F)	
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO <sub>2</sub> = 1.0)	8830
ASHRAE Standard 34 Safety Rating	a1

Pressure- Temp  
Chart

Temp °F	R-218 psig
-40	-4.2
-35	-0.7
-30	1.6
-25	3.7
-20	6
-15	8.5
-10	11.2
-5	14.2
0	17.5
5	21.0
10	24.9
15	29
20	33.5
25	38.3
30	43.5
35	49
40	55
45	61.3
50	68.1
55	75.4
60	83.1
65	91.2
70	99.9
75	109.1
80	118.9
85	129.2
90	140.1
95	151.5
100	163.6
105	176.4
110	189.8
115	203.8
120	218.6
125	234.1
130	250.3
135	265.3
140	283.5
145	302.7
150	323.2

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