

Physical Properties of Refrigerants	R-141b
Environmental Classification	HCFC
Molecular Weight	116.9496
Boiling Point (1atm, °F)	89.6
Critical Pressure (psia)	610.898
Critical Temperature (°F)	399.83
Critical Density (lb./ft ³)	28.626
Liquid Density (70 °F, lb./ft ³)	76.599
Vapor Density (bp, lb./ft ³)	
Heat of Vaporization (bp, BTU/lb.)	95.8727
Specific Heat Liquid (20 °F, BTU/lb. °F)	
Specific Heat Vapor (1atm, 70 °F, BTU/lb. °F)	
Ozone Depletion Potential (CFC 11 -1.0)	0.12
Global Warming Potential (CO ₂ = 1.0)	725
ASHRAE Standard 34 Safety Rating	A2

Pressure- Temp
Chart

Temp °F	R-141b psig
-40	-29.1
-35	-28.9
-30	-28.7
-25	-28.4
-20	-28.1
-15	-27.8
-10	-27.4
-5	-27
0	-26.5
5	-26
10	-25.4
15	-24.7
20	-23.9
25	-23.1
30	-22.1
35	-21
40	-19.9
45	-18.6
50	-17.1
55	-15.6
60	-13.8
65	-12
70	-9.9
75	-7.7
80	-5.3
85	-2.7
90	0.1
95	1.6
100	3.2
105	4.9
110	6.8
115	8.8
120	10.9
125	13.2
130	15.6
135	18.2
140	21
145	23.9
150	27

R-141b

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