

# Pressure Temperature Charts



°F	°C	R-12
-40	-40.0	11
-35	-37.2	8.4
-30	-34.4	5.5
-25	-31.7	2.3
-20	-28.9	0.6
-15	-26.1	2.4
-10	-23.3	4.5
-5	-20.6	6.7
0	-17.8	9.2
5	-15.0	11.8
10	-12.2	14.6
15	-9.4	17.7
20	-6.7	21
25	-3.9	24.6
30	-1.1	28.5
35	1.7	32.6
40	4.4	37
45	7.2	41.7
50	10.0	46.7
55	12.8	52

°F	°C	R-12
60	15.6	57.7
65	18.3	63.8
70	21.1	70.2
75	23.9	77
80	26.7	84.2
85	29.4	91.8
90	32.2	99.8
95	35.0	108
100	37.8	117
105	40.6	127
110	43.3	136
115	46.1	147
120	48.9	158
125	51.7	169
130	54.4	181
135	57.2	194
140	60.0	207
145	62.8	220
150	65.6	234

Vapor Pressure in PSIG

In Vacuum (inches in Hg)

## Refrigerant Boiling Point

Refrigerant	Components	BP
R-12	R-12 (100%) Dichlorodifluoromethane	-21.6°F

## Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-12	#/cu. ft.	98.4	94.7	90.7	86.3	81.5	75.9
	#/gal.	13.2	12.7	12.1	11.5	11.9	10.2

## Physical Properties

	R-12
Environmental Classification	CFC
Molecular Weight	120.9
Boiling Point (1atm,°F)	-21.6
Critical Pressure (psia)	600
Critical Temperature (°F)	233.5
Critical Density (lb./ft <sup>3</sup> )	35.3
Vapor Density (bp,lb./ft <sup>3</sup> )	0.393
Heat of Vaporization (bp,BTU/lb.)	71.2
Ozone Depletion Potential (CFC 11 -1.0)	1.0
Global Warming Potential (CO <sub>2</sub> = 1.0)	10900
ASHRAE Standard 34 Safety Rating	A1