

# Pressure Temperature Charts



°F	°C	R-22
-40	-40.0	0.5
-35	-37.2	2.6
-30	-34.4	4.9
-25	-31.7	7.4
-20	-28.9	10.1
-15	-26.1	13.2
-10	-23.3	16.5
-5	-20.6	20.1
0	-17.8	24
5	-15.0	28.2
10	-12.2	32.8
15	-9.4	37.7
20	-6.7	43
25	-3.9	48.8
30	-1.1	54.9
35	1.7	61.5
40	4.4	68.5
45	7.2	76
50	10.0	84
55	12.8	92.6

°F	°C	R-22
60	15.6	102
65	18.3	111
70	21.1	121
75	23.9	132
80	26.7	144
85	29.4	156
90	32.2	168
95	35.0	182
100	37.8	196
105	40.6	211
110	43.3	226
115	46.1	243
120	48.9	260
125	51.7	278
130	54.4	297
135	57.2	317
140	60.0	337
145	62.8	359
150	65.6	382

Vapor Pressure in PSIG

## Refrigerant Boiling Point

Refrigerant	Components	BP
R-22	R-22 (100%) Chlorodifluoromethane	-41.5°F

## Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-22	#/cu. ft.	91.75	87.81	83.62	79.06	73.95	67.93
	#/gal.	12.27	11.74	11.18	10.57	9.89	9.08

## Physical Properties

	R-22
Environmental Classification	HCFC
Molecular Weight	86.5
Boiling Point (1atm,°F)	-41.5
Critical Pressure (psia)	723.7
Critical Temperature (°F)	205.1
Critical Density (lb./ft <sup>3</sup> )	32.7
Vapor Density (bp,lb./ft <sup>3</sup> )	0.294
Heat of Vaporization (bp,BTU/lb.)	100.5
Global Warming Potential (CO <sub>2</sub> = 1.0)	1810
ASHRAE Standard 34 Safety Rating	A1