

Pressure Temperature Charts



°F	°C	R-11
-20	-28.9	27
-15	-26.1	26.5
-10	-23.3	26
-5	-20.6	25.4
0	-17.8	24.7
5	-15.0	23.9
10	-12.2	23.1
15	-9.4	22.1
20	-6.7	21.1
25	-3.9	19.9
30	-1.1	18.6
35	1.7	17.2
40	4.4	15.6
45	7.2	13.9
50	10.0	12
55	12.8	10
60	15.6	7.8
65	18.3	5.4

°F	°C	R-11
70	21.1	2.8
75	23.9	0
80	26.7	1.5
85	29.4	3.2
90	32.2	4.9
95	35.0	6.8
100	37.8	8.8
105	40.6	10.9
110	43.3	13.2
115	46.1	15.6
120	48.9	18.2
125	51.7	21
130	54.4	24
135	57.2	27.1
140	60.0	30.4
145	62.8	34
150	65.6	37.7

Vapor Pressure in PSIG

In Vacuum (inches in Hg)

Refrigerant Boiling Point

Refrigerant	Components	BP
R-11	R-11 (100%) Trichlorofluoromethane	74.79°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-11	#/cu. ft.	104.2	101.3	98.3	95.1	91.9	88.5
	#/gal.	13.9	13.5	13.1	12.7	12.3	11.8

Physical Properties

	R-11
Environmental Classification	CFC
Molecular Weight	137.37
Boiling Point (1atm,°F)	74.79
Critical Pressure (psia)	639.3
Critical Temperature (°F)	388
Critical Density (lb./ft ³)	34.60
Vapor Density (bp,lb./ft ³)	0.365
Heat of Vaporization (bp,BTU/lb.)	77.9
Ozone Depletion Potential (CFC 11 -1.0)	1
Global Warming Potential (CO ₂ = 1.0)	4750
ASHRAE Standard 34 Safety Rating	A1