

# Pressure Temperature Charts



°F	°C	R-410A
-40	-40.0	11.6
-35	-37.2	14.9
-30	-34.4	18.5
-25	-31.7	22.5
-20	-28.9	26.9
-15	-26.1	31.7
-10	-23.3	36.8
-5	-20.6	42.5
0	-17.8	48.6
5	-15.0	55.2
10	-12.2	62.3
15	-9.4	70
20	-6.7	78.3
25	-3.9	87.3
30	-1.1	96.8
35	1.7	107
40	4.4	118
45	7.2	130
50	10.0	142
55	12.8	155

°F	°C	R-410A
60	15.6	170
65	18.3	185
70	21.1	201
75	23.9	217
80	26.7	235
85	29.4	254
90	32.2	274
95	35.0	295
100	37.8	317
105	40.6	340
110	43.3	365
115	46.1	391
120	48.9	418
125	51.7	446
130	54.4	476
135	57.2	507
140	60.0	539
145	62.8	573
150	65.6	608

Vapor Pressure in PSIG

## Refrigerant Boiling Point

Refrigerant	Components	BP
R-410A	R-32 (50%), R-125 (50%) Difluoromethane, Pentafluoroethane	-61.0°F

## Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-410A	#/cu. ft.	-	82	77.3	72	65.7	57.4
	#/gal.	-	11	10.3	9.6	8.8	7.7

## Physical Properties

	R-410A
Environmental Classification	HFC
Molecular Weight	72.6
Boiling Point (1atm,°F)	-61.0
Critical Pressure (psia)	691.8
Critical Temperature (°F)	158.3
Critical Density (lb./ft <sup>3</sup> )	34.5
Vapor Density (bp,lb./ft <sup>3</sup> )	0.261
Heat of Vaporization (bp,BTU/lb.)	116.8
Global Warming Potential (CO <sub>2</sub> = 1.0)	2088
ASHRAE Standard 34 Safety Rating	A1