



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	70.0
20	-6.7	78.3
25	-3.9	87.3
30	-1.1	96.8
35	1.7	107.0
40	4.4	118.0
45	7.2	130.0
50	10.0	142.0
55	12.8	155.0

°F	°C	R-410A
60	15.6	170.0
65	18.3	185.0
70	21.1	201.0
75	23.9	217.0
80	26.7	235.0
85	29.4	254.0
90	32.2	274.0
95	35.0	295.0
100	37.8	317.0
105	40.6	340.0
110	43.3	365.0
115	46.1	391.0
120	48.9	418.0
125	51.7	446.0
130	54.4	476.0
135	57.2	507.0
140	60.0	539.0
145	62.8	573.0
150	65.6	608.0

Vapor Pressure in PSIG

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
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.	-	82.0	77.3	72.0	65.7	57.4
	#/gal.	-	11.0	10.3	9.6	8.8	7.7

Physical Properties

	R-410A
Environmental Classification	HFC
Molecular Weight	72.6 g/mol
Boiling Point (1atm, °F)	-61.0
Critical Pressure (psia)	691.8
Critical Temperature (°F)	158.3
Critical Density (lb./ft ^3)	34.5
Vapor Density (bp, lb./ft ^3)	0.261
Heat of Vaporization (bp, BTU/lb.)	116.8
Global Warming Potential (CO2 = 1.0)	2088
ASHRAE Standard 34 Safety Rating	A1

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