

Physical Properties of Refrigerants	R-410A
Environmental Classification	HFC
Molecular Weight	72.6
Boiling Point (1atm, °F)	-61
Critical Pressure (psia)	691.8
Critical Temperature (°F)	158.3
Critical Density(lb./ft ³)	34.5
Liquid Density (20 °F, lb./ft ³)	67.74
Vapor Density (bp, lb./ft ³)	0.261
Heat of Vaporization(bp, BTU/lb.)	116.8
Specific Head Liquid(20 °F, BTU/lb. °F)	0.3948
Specific Head Vapor (1atm, 20 °F, BTU/lb. °F)	0.1953
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	2088
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-410A psig
-40	11.6
-35	14.9
-30	18.5
-25	22.5
-20	26.9
-15	31.7
-10	36.8
-5	42.5
0	48.6
5	55.2
10	62.3
15	70
20	78.3
25	87.3
30	96.8
35	107
40	118
45	130
50	142
55	155
60	170
65	185
70	201
75	217
80	235
85	254
90	274
95	295
100	317
105	340
110	365
115	391
120	418
125	446
130	476
135	507
140	539
145	573
150	608

R-410A

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