

Physical Properties of Refrigerants	R410A
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 <sup>3</sup> )	34.5
Liquid Density (20 °F,lb./ft <sup>3</sup> )	67.74
Vapor Density (bp,lb./ft <sup>3</sup> )	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 <sub>2</sub> = 1.0)	2088
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp  
Chart

Temp °C	R410A psig
-40	11.6
-37.2	14.9
-34.4	18.5
-31.6	22.5
-28.8	26.9
-26.1	31.7
-23.3	36.8
-17.7	42.5
-20.5	48.6
-15	55.2
-12.2	62.3
-9.4	70
-6.6	78.3
-3.8	87.3
-1.1	96.8
1.6	107
4.4	118
7.2	130
10	142
12.7	155
15.5	170
18.3	185
21.1	201
23.8	217
26.6	235
29.4	254
32.2	274
35	295
37.7	317
40.5	340
43.3	365
46.1	391
48.8	418
51.6	446
54.4	476
57.2	507
60	539
62.7	573
65.5	608

# R410A

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