

Physical Properties of Refrigerants

R410A

Environmental Classification	HFC
Molecular Weight	72.6
Boiling Point (°C), 101.3KPa	-61
Critical Pressure (psia)	691.8
Critical Temperature (°C)	158.3
Critical Density (lb./ft ³)	34.5
Liquid Density, 30 °C, (KG / M ³)	1038
Vapor Density (bp, lb./ft ³)	0.261
Heat of Vaporization (bp, BTU/lb.)	116.8
Specific Heat, Liquid, 30 °C, (KJ / KG .K)	1.72
Specific Heat Vapor (1atm, 20 °F, BTU/lb. °F)	0.1953
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO2 = 1.0)	2088
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °C	R-410 psig
-40.0	11.6
-37.2	14.9
-34.4	18.5
-31.7	22.5
-28.9	26.9
-26.1	31.7
-23.3	36.8
-20.6	42.5
-17.8	48.6
-15.0	55.2
-12.2	62.3
-9.4	70.0
-6.7	78.3
-3.9	87.3
-1.1	96.8
1.7	107
4.4	118
7.2	130
10.0	142
12.8	155
15.6	170
18.3	185
21.1	201
23.9	217
26.7	235
29.4	254
32.2	274
35.0	295
37.8	317
40.6	340
43.3	365
46.1	391
48.9	418
51.7	446
54.4	476
57.2	507
60.0	539
62.8	573
65.6	608

This information is believed to be accurate and reliable but is provided for guidance only.

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