

Physical Properties of Refrigerants	R-421A
Environmental Classification	HFC
Molecular Weight	111.7
Boiling Point (1atm, °F)	-41.2
Critical Pressure (psia)	568.4
Critical Temperature (°F)	181
Critical Density(lb./ft ³)	34.3
Liquid Density (20 °F,lb./ft ³)	75.3
Vapor Density (bp,lb./ft ³)	0.31
Heat of Vaporization(bp,BTU/lb.)	82.4
Specific Head Liquid(20 °F, BTU/lb. °F)	0.2315
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.3821
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (CO ₂ = 1.0)	2600
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp
Chart

Temp °F	R-421A psig
-40	0.5
-35	2.6
-30	4.9
-25	7.4
-20	10.2
-15	13.2
-10	16.5
-5	20.1
0	24
5	28.3
10	32.9
15	37.8
20	43.2
25	48.9
30	55
35	61.6
40	68.7
45	76.2
50	84.2
55	92.8
60	101.9
65	111.5
70	121.8
75	132.6
80	144.1
85	156.2
90	169
95	182.5
100	196.7
105	211.7
110	227.5
115	244
120	261.4
125	279.7
130	298.9
135	340.1
140	340.1
145	362.1
150	385.3

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