


Physical Properties of Refrigerants	R-401A
Environmental Classification	HCFC
Molecular Weight	94.4
Boiling Point (1atm, °F)	-29.9
Critical Pressure (psia)	669
Critical Temperature (°F)	221
Critical Density(lb./ft ³)	30.9
Liquid Density (20 °F,lb./ft ³)	74.6
Vapor Density (bp,lb./ft ³)	0.306
Heat of Vaporization(bp,BTU/lb.)	97.5
Specific Head Liquid(20 °F, BTU/lb. °F)	0.3037
Specific Head Vapor (1atm, 20 °F,BTU/lb. °F)	0.1755
Ozone Depletion Potential (CFC 11 -1.0)	0.037
Global Warming Potential (CO ₂ =1.0)	1182
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	Liquid psig	Vapor psig
-40	8.1"	13.2"
-35	5.1"	10.7"
-30	1.7"	7.9"
-25	1	4.8"
-20	3	1.4"
-15	5.2	1.2
-10	7.7	3.3
-5	10.3	5.5
0	13.2	8
5	16.3	10.7
10	19.7	13.7
15	23.4	16.9
20	27.4	20.4
25	31.7	24.2
30	36.4	28.3
35	41.3	32.8
40	46.6	37.6
45	52.4	42.7
50	58.5	48.2
55	65	54.1
60	71.9	60.4
65	79.3	67.2
70	87.1	74.4
75	95.4	82.1
80	104	90.2
85	114	98.9
90	123	108
95	134	118
100	145	128
105	156	139
110	169	151
115	181	163
120	195	176
125	209	189
130	224	203
135	239	218
140	255	234
145	272	250
150	290	267

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 **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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