



Pressure Temperature Charts

°F	°C	R-401A Liquid	R-401A Vapor
-40	-40	8.1	13.2
-35	-37.2	5.1	10.7
-30	-34.4	1.7	7.9
-25	-31.7	1.0	4.8
-20	-28.9	3.0	1.4
-15	-26.1	5.2	1.2
-10	-23.3	7.7	3.3
-5	-20.6	10.3	5.5
0	-17.8	13.2	8.0
5	-15.0	16.3	10.7
10	-12.2	19.7	13.7
15	-9.4	23.4	16.9
20	-6.7	27.4	20.4
25	-3.9	31.7	24.2
30	-1.1	36.4	28.3
35	1.7	41.3	32.8
40	4.4	46.6	37.6
45	7.2	52.4	42.7
50	10.0	58.5	48.2
55	12.8	65.0	54.1

°F	°C	R-401A Liquid	R-401A Vapor
60	15.6	71.9	60.4
65	18.3	79.3	67.2
70	21.1	87.1	74.4
75	23.9	95.4	82.1
80	26.7	104.0	90.2
85	29.4	114.0	98.9
90	32.2	123.0	108.0
95	35.0	134.0	118.0
100	37.8	145.0	128.0
105	40.6	156.0	139.0
110	43.3	169.0	151.0
115	46.1	181.0	163.0
120	48.9	195.0	176.0
125	51.7	209.0	189.0
130	54.4	224.0	203.0
135	57.2	239.0	218.0
140	60.0	255.0	234.0
145	62.8	272.0	250.0
150	65.6	290.0	267.0

**Vapor Pressure in PSIG
In Vacuum (inches in Hg)**

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-401A	R-22 (53%), R-124 (34%), R-152a (13%) Chlorodifluoromethane, 1-Chloro-1,2,2,2-Tetrafluoroethane, 1,1-Difluoroethane	-29.9°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-401A	#/cu. ft.	90.43	86.68	82.75	78.53	73.88	68.55
	#/gal.	12.09	11.59	11.06	10.50	9.88	9.16

Physical Properties

	R-401A
Environmental Classification	HCFC
Molecular Weight	94.4 g/mol
Boiling Point (1atm, °F)	-29.9
Critical Pressure (psia)	669
Critical Temperature (°F)	221
Critical Density (lb./ft ^3)	30.9
Vapor Density (bp, lb./ft ^3)	0.306
Heat of Vaporization (bp, BTU/lb.)	97.5
Global Warming Potential (CO2 = 1.0)	1182
ASHRAE Standard 34 Safety Rating	A1

Looking to Buy or Sell Refrigerant?

[See our Full Product Line](#)

Get **Paid** for Your Recovered
Refrigerant