

# Pressure Temperature Charts



°F	°C	R-402A
-40	-40.0	6.3
-35	-37.2	9.1
-30	-34.4	12.1
-25	-31.7	15.4
-20	-28.9	18.9
-15	-26.1	22.9
-10	-23.3	27.1
-5	-20.6	31.7
0	-17.8	36.7
5	-15.0	42.1
10	-12.2	48
15	-9.4	54.2
20	-6.7	60.9
25	-3.9	68.1
30	-1.1	75.8
35	1.7	84
40	4.4	92.8
45	7.2	102
50	10.0	112
55	12.8	123

°F	°C	R-402A
60	15.6	134
65	18.3	146
70	21.1	158
75	23.9	171
80	26.7	185
85	29.4	200
90	32.2	215
95	35.0	232
100	37.8	249
105	40.6	267
110	43.3	286
115	46.1	305
120	48.9	326
125	51.7	347
130	54.4	370
135	57.2	393
140	60.0	418
145	62.8	443
150	65.6	470

Vapor Pressure in PSIG

## Refrigerant Boiling Point

Refrigerant	Components	BP
R-402A	R-125 (60%), R-290 (2%), R-22 (38%) Pentafluoroethane, Chlorodifluoromethane, Propane	-56.5°F

## Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-402A	#/cu. ft.	91.98	87.55	82.74	77.36	71.04	62.85
	#/gal.	12.3	11.7	11.06	10.34	9.5	8.4

## Physical Properties

	R-402A
Environmental Classification	HCFC
Molecular Weight	101.55
Boiling Point (1atm,°F)	-56.5
Critical Pressure (psia)	600
Critical Temperature (°F)	168
Critical Density (lb./ft <sup>3</sup> )	33.8
Vapor Density (bp,lb./ft <sup>3</sup> )	0.356
Heat of Vaporization (bp,BTU/lb.)	83.58
Global Warming Potential (CO <sub>2</sub> = 1.0)	2788
ASHRAE Standard 34 Safety Rating	A1