

# Pressure Temperature Charts



°F	°C	R-402B
-40	-40.0	3.6
-35	-37.2	6
-30	-34.4	9
-25	-31.7	12
-20	-28.9	15.4
-15	-26.1	18.6
-10	-23.3	22.6
-5	-20.6	27
0	-17.8	31
5	-15.0	36
10	-12.2	42
15	-9.4	47
20	-6.7	54
25	-3.9	60
30	-1.1	67
35	1.7	75
40	4.4	83.4
45	7.2	91.6
50	10.0	100
55	12.8	110

°F	°C	R-402B
60	15.6	120
65	18.3	133
70	21.1	143
75	23.9	155
80	26.7	170
85	29.4	183
90	32.2	198
95	35.0	213
100	37.8	230
105	40.6	247
110	43.3	262
115	46.1	283
120	48.9	303
125	51.7	323
130	54.4	345
135	57.2	-
140	60.0	-
145	62.8	-
150	65.6	-

Vapor Pressure in PSIG

## Refrigerant Boiling Point

Refrigerant	Components	BP
R-402B	R-125 (38%), R-290 (2%), R-22 (60%) Chlorodifluoromethane, Pentafluoroethane, Propane	-52.9°F

## Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-402B	#/cu. ft.	90.88	86.67	82.14	77.12	71.34	61.16
	#/gal.	12.15	11.59	10.98	10.31	9.54	8.18

## Physical Properties

	R-402B
Environmental Classification	HCFC
Molecular Weight	94.7
Boiling Point (1atm, °F)	-52.9
Critical Pressure (psia)	645
Critical Temperature (°F)	180.7
Critical Density (lb./ft <sup>3</sup> )	33.1
Vapor Density (bp, lb./ft <sup>3</sup> )	0.328
Heat of Vaporization (bp, BTU/lb.)	90.42
Global Warming Potential (CO <sub>2</sub> = 1.0)	2416
ASHRAE Standard 34 Safety Rating	A1