


Physical Properties of Refrigerants	R401B
Environmental Classification	HCFC
Molecular Weight	92.8
Boiling Point (1atm, °F)	-32.3
Critical Pressure (psia)	679.1
Critical Temperature (°F)	218.3
Critical Density (lb./ft ³)	31.1
Liquid Density (20 °F, lb./ft ³)	74.6
Vapor Density (bp, lb./ft ³)	0.303
Heat of Vaporization (bp, BTU/lb.)	98.2
Specific Head Liquid (20 °F, BTU/lb. °F)	0.3027
Specific Head Vapor (1atm, 20 °F, BTU/lb. °F)	0.1725
Ozone Depletion Potential (CFC 11 -1.0)	0.039
Global Warming Potential (CO ₂ = 1.0)	1288
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	Liquid psig	Vapor psig
-40	6.5"	11.8"
-35	3.3"	9.1"
-30	0.02	6.1"
-25	2.1	2.8"
-20	4.3	0.5
-15	6.6	2.5
-10	9.2	4.7
-5	12	7.1
0	15.1	9.7
5	18.4	12.6
10	22	15.8
15	25.9	19.2
20	30.1	23.0
25	34.6	27.0
30	39.5	31.4
35	44.8	36.1
40	50.4	41.1
45	56.4	46.6
50	62.8	52.4
55	69.6	58.7
60	76.9	65.4
65	84.7	72.5
70	92.9	80.1
75	102	88.2
80	111	96.8
85	121	106
90	131	116
95	142	126
100	153	137
105	166	148
110	178	160
115	192	173
120	206	187
125	220	201
130	236	216
135	252	231
140	269	248
145	287	265
150	305	283

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

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