



Pressure Temperature Charts

°F	°C	R-422D Liquid	R-422D Vapor
-40	-40	2.4	2.3
-35	-37.2	4.6	0.8
-30	-34.4	7.1	3.0
-25	-31.7	9.9	5.4
-20	-28.9	12.9	8.1
-15	-26.1	16.2	11.0
-10	-23.3	19.8	14.3
-5	-20.6	23.7	17.8
0	-17.8	27.9	21.7
5	-15.0	32.5	25.8
10	-12.2	37.5	30.4
15	-9.4	42.8	35.3
20	-6.7	48.5	40.7
25	-3.9	54.7	46.4
30	-1.1	61.3	52.6
35	1.7	68.4	59.3
40	4.4	75.9	66.4
45	7.2	84.0	74.0
50	10.0	92.6	82.2
55	12.8	102.0	90.9

°F	°C	R-422D Liquid	R-422D Vapor
60	15.6	111.0	100.0
65	18.3	122.0	110.0
70	21.1	133.0	121.0
75	23.9	144.0	132.0
80	26.7	156.0	144.0
85	29.4	169.0	156.0
90	32.2	183.0	170.0
95	35.0	197.0	184.0
100	37.8	212.0	198.0
105	40.6	228.0	214.0
110	43.3	245.0	231.0
115	46.1	262.0	248.0
120	48.9	281.0	266.0
125	51.7	300.0	286.0
130	54.4	320.0	306.0
135	57.2	341.0	327.0
140	60.0	364.0	350.0
145	62.8	387.0	373.0
150	65.6	411.0	398.0

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

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-422D	R-125 (65.1%), R-134A (31.5%), R-600A (3.4%) Pentafluoroethane, 1,1,1,2-Tetrafluoroethane, Isobutane	-45.8°F

Physical Properties

	R-422D
Environmental Classification	HFC
Molecular Weight	109.9 g/mol
Boiling Point (1atm, °F)	-45.8
Critical Pressure (psia)	566.2
Critical Temperature (°F)	175.2
Critical Density (lb./ft ^3)	33.0
Vapor Density (bp, lb./ft ^3)	0.372
Heat of Vaporization (bp, BTU/lb.)	81.78
Global Warming Potential (CO2 = 1.0)	2729.12
ASHRAE Standard 34 Safety Rating	A1

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