



Pressure Temperature Charts

°F	°C	R-1234YF
-40	-40.0	11.6
-35	-37.2	9.0
-30	-34.4	5.9
-25	-31.7	2.8
-20	-28.9	0.4
-15	-26.1	2.3
-10	-23.3	4.4
-5	-20.6	6.7
0	-17.8	9.2
5	-15.0	11.9
10	-12.2	14.9
15	-9.4	18.1
20	-6.7	21.6
25	-3.9	25.4
30	-1.1	29.4
35	1.7	33.8
40	4.4	38.4
45	7.2	43.4
50	10.0	48.8
55	12.8	54.5

°F	°C	1234YF
60	15.6	60.6
65	18.3	67.0
70	21.1	73.9
75	23.9	81.2
80	26.7	89.0
85	29.4	97.2
90	32.2	106.0
95	35.0	115.0
100	37.8	125.0
105	40.6	135.0
110	43.3	146.0

Vapor Pressure in PSIG
In Vacuum (inches in Hg)

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-1234YF	R-1234YF (100%) 2,3,3,3-Tetrafluoropropene	-21.1°F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-1234YF	#/cu. ft.	-	80.65	76.78	72.55	67.78	62.14
	# / gal.	-	10.78	10.26	9.70	9.06	8.31

Physical Properties

	R-1234YF
Environmental Classification	HFO
Molecular Weight	114 g/mol
Boiling Point (1atm, °F)	-21.1
Critical Pressure (psia)	490.6
Critical Temperature (°F)	202.5
Critical Density (lb./ft ^3)	29.69
Vapor Density (bp, lb./ft ^3)	0.374
Heat of Vaporization (bp, BTU/lb.)	77.53
Global Warming Potential (CO2 = 1.0)	4
ASHRAE Standard 34 Safety Rating	A2L

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