

# Pressure Temperature Charts



°F	°C	R-1234ze
-40	-40.0	19.1
-35	-37.2	17.3
-30	-34.4	15.5
-25	-31.7	13.2
-20	-28.9	11.0
-15	-26.1	8.1
-10	-23.3	5.3
-5	-20.6	2.0
0	-17.8	0.8
5	-15.0	2.7
10	-12.2	4.8
15	-9.4	7.2
20	-6.7	9.7
25	-3.9	12.5
30	-1.1	15.4
35	1.7	18.7

°F	°C	R-1234ze
40	4.4	22.2
45	7.2	26.0
50	10.0	30.0
55	12.8	34.4
60	15.6	39.1
65	18.3	44.1
70	21.1	49.5
75	23.9	55.2
80	26.7	61.3
85	29.4	67.8
90	32.2	74.7
95	35.0	82.1
100	37.8	89.9
105	40.6	98.2
110	43.3	107

Vapor Pressure in PSIG

In Vacuum (inches in Hg)

## Refrigerant Boiling Point

Refrigerant	Components	BP
R-1234ze	Trans-1,3,3,3-Tetrafluoroprop-1-ene	-2.1°F

## Physical Properties

	R-1234ze
Environmental Classification	HFO
Molecular Weight	114
Boiling Point (1atm,°F)	-2.1
Critical Pressure (psia)	527.36
Critical Temperature (°F)	228.9
Critical Density (lb./ft <sup>3</sup> )	30.53
Vapor Density (bp,lb./ft <sup>3</sup> )	0.357
Heat of Vaporization (bp,BTU/lb.)	84
Global Warming Potential (CO <sub>2</sub> = 1.0)	6
ASHRAE Standard 34 Safety Rating	A2L