

# Pressure Temperature Charts



°F	°C	SF6
-40	-40.0	35.4
-35	-37.2	40.9
-30	-34.4	46.9
-25	-31.7	53.3
-20	-28.9	60.2
-15	-26.1	67.7
-10	-23.3	75.7
-5	-20.6	84.2
0	-17.8	93.3
5	-15.0	103.1
10	-12.2	113.5
15	-9.4	124.5
20	-6.7	136.3
25	-3.9	148.7
30	-1.1	161.9
35	1.7	175.9
40	4.4	190.7
45	7.2	206.3
50	10.0	222.8
55	12.8	240.2

°F	°C	SF6
60	15.6	258.6
65	18.3	277.9
70	21.1	298.2
75	23.9	319.6
80	26.7	342.1
85	29.4	365.7
90	32.2	390.6
95	35.0	416.7
100	37.8	444.2
105	40.6	473.1
110	43.3	503.7

Vapor Pressure in PSIG

## Refrigerant Boiling Point

Refrigerant:	Components:	BP (0 PSIG):
SF6	Sulfur Hexafluoride	-83.0 °F

## Liquid Density

Refrigerant:	Liquid Density:	-80°F	-40°F	0°F	40°F	80°F	114°F
SF6	lb/cu. ft.	118.6	112.2	104.5	95.2	82.5	50.2
	lb/gal.	15.9	15.0	14.0	12.7	11.0	6.7

## Physical Properties

	SF6
Environmental Classification	Specialty
Molecular Weight	146.06 g/mol
Boiling Point (1atm, °F)	-90.9
Critical Pressure (psia)	544.6
Critical Temperature (°F)	114.0
Critical Density (lb./ft <sup>3</sup> )	46.3
Vapor Density (bp, lb./ft <sup>3</sup> )	0.6
Liquid Heat of Vaporization (bp, BTU/lb.)	-16.6
Ozone Depletion Potential (CFC 11 - 1.0)	0
Global Warming Potential (CO2 = 1.0)	23900
ASHRAE Standard 34 Safety Rating	A1