

# HFC-125



## Product Information

### Specification

Item	Shanghai Waysmos	NFPA 2001
Appearance	Colorless liquefied gas	Colorless liquefied gas
Assay by GC	99.8%(min)	99.0%(min)
Moisture	10 ppm(max)	10 ppm(max)
Acidity as HF	1ppm(max)	3 ppm(max)
Non-volatile Residue	0.01g/100ml(max)	0.05g/100ml(max)

### Description

- Clean and insulative
- Good efficient and no residue
- No depleting ozone layer in atmosphere
- An environment acceptable replacement for Halon 1301

### Properties

Empirical Formula	CF <sub>3</sub> -CHF <sub>2</sub>
CAS Number	354-33-6
Molecular Weight	120.02
Boiling Point	-48.5°C
Freezing Point	-103°C
Vapor Pressure(25°C)	1310KPa
Liquid Density (25°C)	1.19Kg/L
Critical Temperature	66.3°C
Critical Pressure	3595KPa
Critical Density	572Kg/m <sup>3</sup>
Extinguish Concentration (Cup)	8.7%
NOAEL (V/V)	7.5%
LOAEL(V/V)	10%
LC50 or ALC(V/V)	70%
Ozone Depleting Potential	0
Atmospheric Lifetime	29 years

ISO9001

## Waysmos®

USA Office  
 Waysmos USA Inc.  
 Tel: +1-646-593-8882  
 Email: sales@waysmosusa.com  
 Address: 419 Lafayette St, Second Floor New York, NY 10003

China Office  
 Hangzhou Waysmos Chemical Co., Ltd.  
 Tel: +86-571-85069386, 85069387, 85069388 Fax: +86-571-85069385  
 Email: tchemi@mail.hz.zj.cn; sales@hfc227ea.com.cn  
 Address: 6F, No.493 Moganmen Road, Hangzhou, Zhejiang, China, 310005

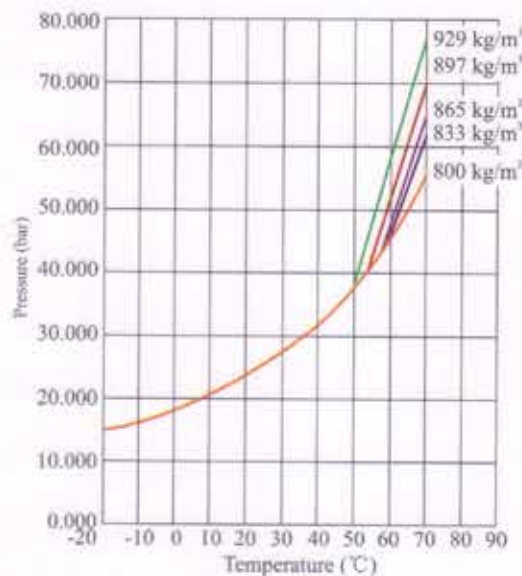


### Quality Control

- All performance is strict to act as ISO9001:2008.
- Our quality control program is supported by advanced analytical facilities, which help to ensure that all raw materials, in-process materials and finished products are quality controlled at all stages.

### Gas Filling Curve

Isometric diagram of HFC-125 pressurized with N<sub>2</sub> to 24.82 bar, gauge at 22°C.



### Packing

GB Cylinder / DOT Cylinder / ISO TANK

### Application

HFC-125 is an environmentally acceptable replacement for Halon 1301. It is used in total flooding applications for protecting particularly high value assets, where water, dry chemicals and others can cause collateral damage to assets. Examples of the applications include semiconductor manufacturing facilities, chemical storage rooms, petrochemical facilities and so on.

## Waysmos®

Hong Kong Office  
Carnival China International Limited  
Tel: +852-23757883, 23758872  
Fax: +852-23170819

Address: Unit 3510, 35/F, Metropaza, Tower 2, 223, Hing Fong Road,  
Kwai Chung, Hong Kong

China Office  
Hangzhou Waysmos Chemical Co., Ltd.  
Tel.: +86-571-85069386, 85069387, 85069388 Fax: +86-571-85069385  
Email: tchemi@mail.hz.zj.cn; sales@hfc227en.com.cn  
Address: 6F, No. 493 Moganshan Road, Hangzhou, Zhejiang, China, 310005