



## Advanced FM200 Gas Suppression System For Enclosed Flooding In 0°C-50°C Work Environment

### Our Product Introduction

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#### Basic Information

- Place of Origin: China
- Brand Name: xinlin
- Certification: UL,FM,CMA,CNAS
- Model Number: QMQ5.6/90N-XL-006
- Minimum Order Quantity: 1
- Price: negotiation
- Packaging Details: Plywood outer box with bubble bag or paper
- Delivery Time: 10-15 working days after payment or receipt of L/C
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 20000 sets per week



#### Product Specification

- System Blowdown Time: Computer Room  $\leq 8s$ , Other  $\leq 10s$
- Scope Of Work: 0°C~50°C
- Pattern Of Extinguishing: Enclosed Flooding
- Filling Density:  $\leq 1080kg/m^3$
- Storage Pressure: 5.6MPA(20°C)
- Name: Fm200
- Starting Mode: Automatic, Electrical Manual, Mechanical Emergency
- Maximum Working Pressure: 8MPA(20°C)
- Highlight: **Red FM200 Gas Suppression System, Advanced FM200 Gas Suppression System, Enclosed Flooding FM200 Gas Suppression System**



#### More Images





## Product Description

### Product Description:

The working principle of the internal storage pressure SEVOFLUOROPROPANE fire extinguishing system mainly includes three links: detection, alarm, fire extinguishing agent release, and fire extinguishing implementation, as follows:

#### Detection alarm

Fire detection equipment such as smoke detector and temperature detector are installed in the protection area. When a fire occurs in the protection area, smoke, high temperature, etc., the detector detects the fire signal, and the detector converts the fire signal into an electrical signal and transmits it to the alarm fire extinguishing controller. The controller automatically emits sound and light alarm to remind the personnel in the protected area to evacuate as soon as possible.

#### Fire extinguishing agent release

Unit independent system: the alarm and fire control controller starts the linkage device after logical judgment, and after a period of delay (generally about 30 seconds), sends out the system start signal to start the container valve on the gas cylinder group. After the container valve on the drive gas cylinder group is opened, the drive gas is released, and the container valve of the fire extinguishing agent cylinder group is opened along the drive gas pipeline. The fire extinguishing agent of each cylinder group is collected through the connecting pipe to the collector pipe, and the fire extinguishing agent is sent to the sprinkler installed in the protection area through the fire extinguishing agent conveying pipe.

**Combined distribution system:** The working flow and logic of the system are basically similar to that of the unit independent system. When a fire occurs in a protected area, the controller sends a system start signal, starts the container valve on the corresponding drive gas cylinder group in the protected area to release the drive gas, opens the selection valve leading to the fire protection area, and drives the gas to open the container valve of the corresponding fire extinguishing agent cylinder group along the pipeline. The extinguishing agent of each bottle group is collected to the collector through the connecting pipe, and reaches the sprinkler installed in the protection area through the selection valve for spraying and extinguishing.

#### Fire suppression operation

SEVOFLUOROPROPANE fire extinguishing agent is sprayed into the protected area in liquid form, and the liquid fire extinguishing agent quickly transforms into a gaseous state when ejecting the nozzle, absorbing a lot of heat and significantly reducing the temperature around the protected area and the flame. At the same time, heptafluoropropane decomposed into  $CF_3$ ,  $CF_2$ ,  $CF_3CFO$  and  $CFO$  under high temperature. These fluorine-containing free radicals react with active free radicals such as  $H$ ,  $O$ ,  $\cdot OH$ ,  $HO_2$ ,  $\cdot O_2$ , and  $NO$  in the combustion reaction process to produce  $CO_2$ ,  $H_2O$ ,  $HF$ , etc., thus interrupting the chemical chain reaction in the combustion process to achieve fire suppression.

### Technical Parameters:

Product Name	FM200 Gas Suppression System
Starting Mode	Automatic, Electrical Manual, Mechanical Emergency
Maximum Working Pressure	8MPA(20°C)
Scope of Work	0°C~50°C
Fire Extinguishing Design Concentration	8-10%
Filling Density	≤1080kg/m <sup>3</sup>
Storage Pressure	5.6MPA(20°C)
Pattern of Extinguishing	Enclosed Flooding
System Blowdown Time	Computer Room ≤8s, Other ≤10s

### Applications:

**Aerosol Fire Suppression System:** The xinlin FM200 Gas Suppression System is an ideal solution for use in aerosol fire suppression systems. This product is designed to quickly extinguish fires in enclosed spaces, such as server rooms, data centers, and other areas where sensitive electronic equipment is stored.

**HFC227ea Fire Suppression System:** The xinlin FM200 Gas Suppression System is also a highly effective solution for use in HFC227ea fire suppression systems. This product is designed to quickly extinguish fires in enclosed spaces, such as control rooms, electrical rooms, and other areas where flammable liquids and gases are present.

**FM 200 Fire Alarm System:** The xinlin FM200 Gas Suppression System can also be integrated with a fire alarm system to provide additional protection against fires. This product is designed to automatically extinguish fires when a fire alarm is triggered, helping to prevent damage to property and reduce the risk of injury to people.

The xinlin FM200 Gas Suppression System is certified by UL, FM, CMA, and CNAS, ensuring that the product meets the highest

international standards for quality and safety. The minimum order quantity for this product is 1, and the price is negotiable. The product is packaged in a plywood outer box with bubble bag or paper, and delivery time is 10-15 working days after payment or receipt of L/C. Payment terms include L/C, D/A, D/P, T/T, Western Union, and MoneyGram. The supply ability for this product is 20000 sets per week. The xinlin FM200 Gas Suppression System has a system blowdown time of  $\leq 8s$  for computer rooms and  $\leq 10s$  for other applications. The pattern of extinguishing is enclosed flooding, and the filling density is  $\leq 1080kg/m^3$ . The maximum working pressure for this product is 8MPA(20°C), and the starting mode is automatic, electrical manual, and mechanical emergency.

**Why choose us:**

- **Efficient management system**
- **More than 10 years of experience in gas fire fighting industry**
- **Advanced equipment and professional engineers**
- **We provide 8×6 hr technical support and after-sales service**

**Frequently Asked Questions**

**Q1: Are you a manufacturer or a trading company?**

**A1: We are the manufacturer.**

**Q2: Do you have OEM orders?**

**A2: Yes, according to the customer's requirements.**

**Q3: Where is your factory located? How do I get there?**

**A3: Our factory is located in Dongzhou Industrial Park, Xintang Town, Zengcheng District, Guangzhou City, Guangdong Province, China.**

**You are very welcome to visit our factory.**



**Guangzhou Xinlin Fire Fighting Equipment Co., Ltd.**



189-3396-3312



shirley@gas-firesuppression.com



gas-firesuppression.com

Factory Building in Pozhong (Local Name), Dongzhou Village, Xintang Town, Zengcheng District, Guangzhou, Guangdong, China