

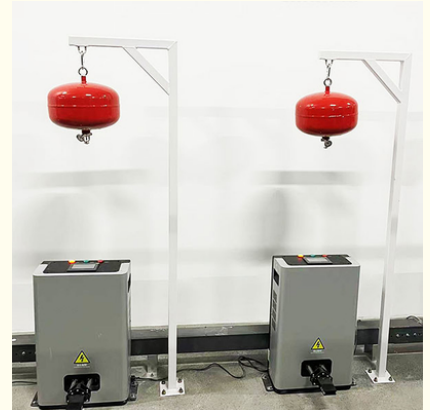


## FM200 Electromagnetic Suspension Clean Gas Automatic Fire Extinguisher For Energy Storage Charging Pile Fire Protection Equipment

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: Guangzhou Xinlin Firefighting Equipment Co., Ltd.
- Certification: UL, FM, CMA, CNAS, ILAC-MRA, CCC
- Model Number: XQQW30-1.6-XL-120
- Minimum Order Quantity: 1 set system
- 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: 50000 sets per week



#### Product Specification

- Portable Extinguisher: FM200 Gas Fire Extinguisher
- Power Source: Gas Fire Extinguisher
- Max Working Pressure: 2.5MPa
- Storage Pressure: 1.6MPa
- Fire Extinguishing Method: Fully Flood Extinguishing
- Starting Mode: Constant Temperature
- Capacity: 4/6/8/10/20/30kg
- Feature: Clean Gas And Environmental Friendly
- Body Material: Steel Cylinder
- Object: Class A, B, C, E Fires
- Highlight: **FM200 automatic fire extinguisher, FM200 clean gas fire extinguisher**



## Product Description

**FM200 Electromagnetic suspended clean gas automatic fire extinguisher is used for fire fighting equipment in archives room**

### Product description

Appearance and smell: Hfc 227ea is a colorless and odorless gas at room temperature and pressure, which makes it not cause additional odor pollution to the environment during use, and is also convenient for application in some places with high environmental requirements.

Solubility: FM200 is slightly soluble in water, which has a certain effect on its storage and fire extinguishing process, such as the need to consider its compatibility with the container material during storage, and in the fire extinguishing process, its solubility in organic solvents may contribute to its suppression effect on certain types of fire.

Status change: FM200 has a high critical temperature (101.7°C) and low critical pressure, and can be compressed and liquefied in the cylinder at normal temperature for convenient transportation and storage, which makes HFC-propane widely used in fire fighting equipment, such as the suspended fire extinguisher mentioned in the article.

Chemical stability: The chemical properties of FM200 are relatively stable, and it is not easy to react with other substances, but it will decompose and produce hydrogen fluoride and other products at high temperatures, so it is necessary to consider the decomposition that may occur in high temperature environment and its impact on fire extinguishing effect and environment during use.

### Fire extinguishing characteristic

Fire extinguishing mechanism: FM200 is mainly based on chemical fire extinguishing, which can be put out by interrupting the combustion chain, and has certain physical fire extinguishing effects, such as cooling and cooling. This dual fire fighting mechanism can effectively extinguish various types of fires, and the fire suppression effect is more significant.

High fire extinguishing efficiency: Heptafluoropropane can reliably extinguish Class B (liquid fire), Class C (gas fire) and electrical fire with low fire extinguishing concentration. For example, in electronic computer rooms, data processing centers and other places, it can quickly and effectively extinguish fires and protect expensive electronic equipment and data security.

Clean and environmental protection: No damage to the atmospheric ozone layer (depletion potential value ODP = 0), greenhouse effect potential value GWP = 0.6, the residual time in the atmosphere is relatively short, and the release does not contain particles or oil-like residues, will not cause pollution and damage to the protected object, so in some places with strict environmental requirements, Such as libraries, archives, museums and art galleries and other cultural venues, as well as clean workshops, heptafluoropropane is an ideal choice for fire suppression.

Good electrical insulation: It has good gas phase electrical insulation, suitable for fighting electrical fires, will not cause damage to electrical equipment, and plays an important role in power facilities such as power distribution rooms, generator rooms and other places.

Low toxicity: the "no observed adverse reaction concentration" NOAEL = 9% of the toxicity of the fire extinguishing agent, the basic concentration of the fire extinguishing design C = 8%, in the normal use of the concentration of the human body is relatively safe, can be used as a full submersion fire extinguishing system for human areas, which provides a guarantee for its use in places with frequent human activities.

### Technical parameter

Constant temperature suspension type	XQQW30-1.6-XL-120
Executive standards	XF13-2006
Filling density	$\leq 1000\text{kg/M}^3$
Fire extinguishing method	Fully flood extinguishing
Storage pressure	1.6MPa(+20°C)
Working temperature range	0~50°C
Max working pressure	2.5MPa(+50°C)
System spray time	Computer room $\leq 8\text{S}$ , Others $\leq 10\text{S}$
Fire extinguishing design concentration	8-10%
Starting Method	Automatic, pneumatic, manual mechanical emergency start

### Application field

Data center and computer room: electronic computer room, data processing center, communication room and other places have extremely high requirements for the protection of equipment and data, heptafluoropropane can quickly extinguish fire, prevent fire from causing serious damage to electronic equipment and data, and ensure the normal operation of these places.

Power facilities: In the key parts of the power system such as the power distribution room and the power generation room, the good fire-fighting performance and electrical insulation of heptafluoropropane ensure the safe operation of the power facilities, and avoid the fire caused by power outage and other accidents that have a major impact on social production and life.

Storage sites: There are fire and explosion risks in storage sites such as oil depots and chemical flammable warehouses. Heptafluoropropane can effectively prevent the spread of fire and explosion, and reduce property losses and environmental pollution caused by fire.

Cultural sites: Libraries, archives, museums and art galleries preserve a large number of precious cultural heritage and historical materials, and the clean and environmental protection characteristics of heptafluoropropane make it play an irreplaceable role in protecting these precious items from fire damage.

Financial institutions: the vaults and data rooms of banks involve a large number of financial assets and important data, and the fire-fighting performance of heptafluoropropane ensures the continuity of financial business and property safety, and maintains the stability of the financial market.

Industrial sites: In some industrial workshops with high production continuity requirements and sophisticated equipment, such as semiconductor manufacturing workshops, pharmaceutical workshops, etc., heptafluoropropane can timely extinguish fires and reduce economic losses caused by equipment damage and production stagnation.

### Type of fire extinguishing system

There is a pipe network system: it is divided into internal storage pressure system and external storage pressure system. The transmission distance of the internal storage pressure system is generally not more than 30 meters, and the transmission distance of the external storage pressure system can reach 150 meters. The gas extinguishing agent storage bottle is usually placed in the special cylinder room and connected through the pipe network. When the fire breaks out, the extinguishing agent is transported to the protection area that needs to be put out. The fire extinguishing agent is sprayed by the sprinkler head. This system is suitable for larger protection areas, can achieve centralized protection of multiple protection areas, and the layout of the pipe network can be reasonably designed according to the structure of the building, to ensure that the fire extinguishing agent can be evenly distributed to each protection area.

No pipe network system: including cabinet and hanging devices. The cabinet SEvofluoropropane fire extinguishing device is usually placed in the protected area to directly extinguish the fire in the protected area, and its installation and use are relatively flexible, suitable for some small protected areas or places with special requirements for space utilization; The suspended SEvofluoropropane fire extinguisher can release fire extinguishing agent in the event of fire by hanging above the protection area. For example, the suspended fire extinguisher produced by Guangzhou Xinlin Fire Fighting Equipment Co., Ltd. introduced in this paper has a variety of specifications and performance parameters, which can meet the needs of different places, especially suitable for small Spaces and places with high fire extinguishing speed requirements.



### Company profile

Guangzhou Xinlin Firefighting Equipment Co., Ltd. is located in Guangzhou, a vital city connecting China to the world, characterized by its convenient transportation and picturesque environment. We are a manufacturing company with a professional and seasoned team of employees, consisting of solution design experts, technical installation specialists, quality inspection professionals, and after-sales service teams, dedicated to the research and development of HFC-227ea (FM200), IG541, IG100, and Novec 1230 products.

Currently, we offer a range of commonly used fire suppression systems, including FM200 fire suppression systems, cabinet-style FM200 fire suppression systems, fully automatic fire extinguisher (hanging), portable fire extinguisher, IG541 fire suppression systems, IG100 fire suppression systems, fire detection tube fire suppression systems, as well as automatic fire

extinguishing pipelines.

With high quality products, perfect service and good reputation, the company has won wide praise from customers at home and abroad.

### Why choose us

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- 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

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Q1: Are you a manufacturer or a trading company?

A1: We are a professional manufacturer specializing in gas fire suppression systems.

Q2: Do you offer OEM products?

A2: Yes, we welcome your own designs and drawings.

Q3: Where is your factory located?

A3: Our factory is situated in the East Lake Industrial Park of XinTang Town, Zengcheng District, Guangzhou City, Guangdong Province, China.

Q4: How can I get to your factory?

A4: Due to convenient transportation, you can reach us by taxi or by subway. If taking the subway, please take Line 13 to Shacun Station. Before disembarking, kindly inform us in advance, and we will arrange for a comfortable business van to pick you up from there.



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



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