

## Heptafluoropropane / HFC-227ea Clean Agent Fire Suppression System FM200

Our Product Introduction

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### Basic Information

- Place of Origin: Guangzhou, GuangDong, China
- Brand Name: RUIGANG
- Certification: CCC
- Model Number: HFC-227ea
- Minimum Order Quantity: 1000kg
- Price: negotiation
- Packaging Details: Plywood outer box with bubble bag or paper
- Delivery Time: 15~20 working days
- Payment Terms: L/C, T/T
- Supply Ability: 10000kg per month



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### Product Specification

- Chemical Formula: Heptafluoropropane (HFC-227ea)
- Transport Package: Tank
- Classification: Halocarbon
- Application: Fm200 Fire Suppression Agents
- Safety: High
- Company Type: Manufacturer Over 20-Years
- Water Content:  $\leq 0.001\%$
- Specification: FM200 Clean Agent
- Ozone Depleting Potential: 0
- Purity Of Fire Extinguishing Agent:  $\geq 99.6$
- The Acidity Of Agent:  $\leq 0.0001$
- Highlight: Heptafluoropropane fm200 clean agent,  
HFC-227ea clean agent fire suppression system  
fm200  
, HFC-227ea clean agent fm 200



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## Product Description

The FM200 fire extinguishing agent is highly efficient and safe, protecting lives and property from the threat of fire

Heptafluoropropane (HFC-227ea/FM200) is a clean gas extinguishing agent that primarily functions through chemical extinction, but also possesses physical extinction properties. It is colorless, odorless, low-toxic, non-conductive, and does not contaminate protected objects, nor does it cause damage to property or precision facilities. Heptafluoropropane can reliably extinguish Class B, Class C, and electrical fires with a relatively low extinguishing concentration. It requires minimal storage space, has a high critical temperature, and a low critical pressure, allowing for liquefied storage under normal conditions.

Heptafluoropropane extinguishing agent exhibits excellent cleanliness, as it completely vaporizes in the atmosphere without leaving any residue. It also possesses good gas-phase electrical insulation properties. Therefore, it is suitable for total flooding extinguishing methods in protecting computer rooms, telecommunication rooms, power distribution rooms, precision instrument rooms, generator rooms, oil depots, chemically flammable material warehouses, as well as libraries, archives, vaults, and other premises.

In addition, heptafluoropropane fire extinguishing systems feature a reasonable structure and reliable operation, making them widely used in important locations such as electronic computer rooms, archives, program-controlled switchboard rooms, television broadcasting centers, financial institutions, government agencies, and other vital facilities. It's worth noting that although heptafluoropropane extinguishing agent does not damage the atmospheric ozone layer (with an ODP value of zero), its atmospheric residence time is between 31 and 42 years.



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When using a heptafluoropropane fire extinguishing system, several key points should be noted: first, the suitable ambient temperature for its operation ranges from  $-10^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ , with a relative humidity not exceeding 95% (at  $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ). Second, the protected area's air must be free from explosive, electrically conductive dust, and harmful substances that corrode components, and the system must not be subjected to vibrations or impacts. Furthermore, operators must be trained and qualified to perform the necessary operations, and all personnel must evacuate the fire scene during the delay period before the extinguishing system discharges the extinguishing agent.

Overall, heptafluoropropane is an efficient, clean, and low-toxic extinguishing agent suitable for various locations and types of fires. When used, it is essential to adhere to relevant operational norms and precautions to ensure its safety and effectiveness.



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