



Kidde FM-200[®] Fire Suppression Systems

Clean, People-Safe Fire Protection for Vital Facilities

When You Can't Afford a Fire-Related Business Interruption



Imagine what a fire – even a small one – could do to your business. In a matter of minutes, an unchecked fire can grow in size and intensity until it threatens your business continuity, your facility and most important, the safety of your people.

Consider the risks of fire...

Time Lost

If uptime is critical to your productivity and profitability and you can't tolerate any delays due to fire, then your operation requires fast-acting Kidde FM-200 systems that detect and suppress fire in seconds, before the fire has a chance to interrupt your business.

Equipment Damaged

If your facility contains expensive or hard-to-replace equipment and processes that are vital to your company, then they need to be protected by Kidde FM-200 clean agent systems that suppress all types of fire without leaving residue behind to clean up.

Irreplaceable Items Destroyed

If you're protecting valuable resources – people, software, proprietary processes, one-of-a-kind objects – then you need Kidde FM-200 protection that won't pose a threat to people or damage even the most sensitive materials

KIDDE FM-200 Fire Suppression Systems

Active on fire, inert on People

Kidde FM-200 Systems provide protection for facilities containing valuable corporate assets – from people and processes to equipment and software. They combine the benefits of clean agent systems and active fire protection with people-safe, environmentally-friendly performance.

The Right Clean Agent

Clean. FM-200 discharges as a gas, reaching into all areas of the protected facility and leaving no residue to damage sensitive equipment or require costly cleanup. This enables you to get back to normal business operations faster after a fire.

Safe for People. FM-200, the world's leading clean agent, is non-toxic when used in accordance with NFPA

Standard 2001. The most viable alternative to Halon 1301, FM-200 causes no breathing problems for people and won't obscure vision in an emergency situation.

Environmentally-Friendly. FM-200, the most versatile and tested clean agent on the market, has zero Ozone Depletion Potential (ODP), a low atmospheric lifetime (31-42 years) and is listed by the Environmental Protection Agency with no usage restrictions.

The Right Fire Suppression System

Fast. Kidde FM-200 Systems are designed to fully discharge their clean fire suppression agent into a protected area within 10 seconds after receiving an actuation signal. This rapid action catches a fire in its

incipient stages before it has an opportunity to grow or cause significant damage.

Active Fire Suppression. A Kidde FM-200 System suppresses fire by "flooding" the protected area with a 7% concentration of FM-200. Instead of inerting the entire area, FM-200 actively attacks the fire itself, soaking up heat like a sponge soaks up liquid and breaking down the fire's molecular structure.

The Right Fire Protection Company

Integrated Systems Approach. Kidde offers you a complete fire protection system – from state-of-the-art detection and control to proven suppression technology – that is designed, manufactured, installed and serviced by one company. Kidde Fire Systems, for the ultimate in fire protection reliability.



System Components

- **Kidde Detectors** – strategically placed in the protected area to sense fires.
- **Kidde Control Unit** – mounted on an outer wall to receive signal from detectors, shut down ventilation systems and equipment, sound alarms and initiate the discharge of FM-200.
- **Kidde Agent Storage Containers, Piping and Nozzles** – computer-designed layout of delivery system necessary to achieve a 7% concentration of FM-200 in the protected area within 10 seconds.

The Right System Configuration for Every Facility

Kidde ECS Series...

Flexible Protection for Small and Medium-Sized Applications

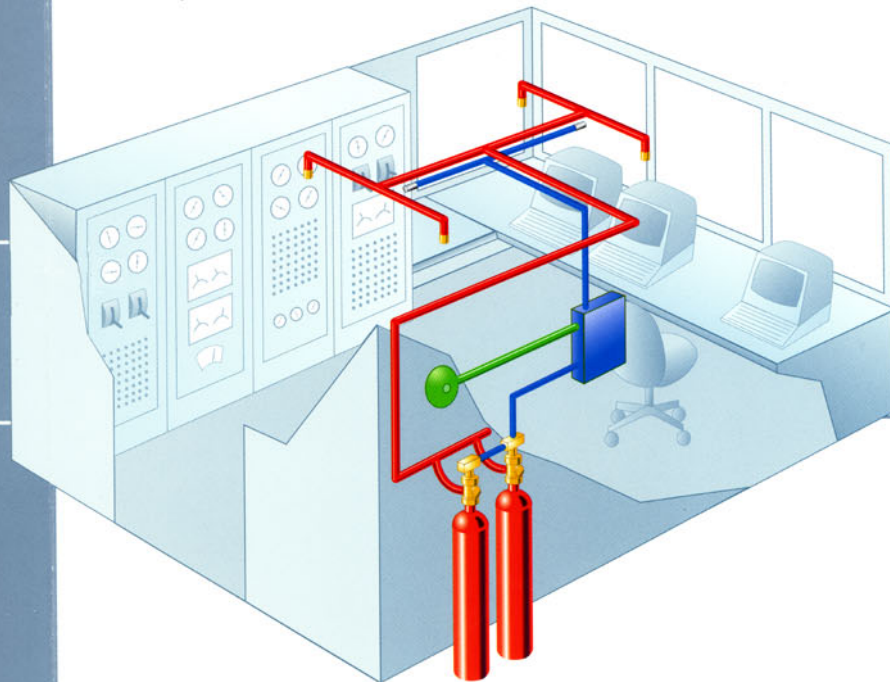
The Kidde ECS Series FM-200 System is an engineered system computer-designed to protect a specific enclosure.

Advantages

- Faster reacting than water-based systems (seconds as opposed to minutes).
- Small floor space requirement (smaller footprint than inerting systems).
- Flexible location of agent storage cylinders.

Typical Applications:

- Data processing centers
- Process control rooms
- Clean manufacturing areas
- Bank vaults
- Simulators
- Battery backup rooms.



Design Criteria

Kidde FM-200 systems are recommended for fire protection of facilities where one or more of the following conditions are involved:

The value of the facilities contents (such as a museum) or the importance of the facility to a company's business continuity (for example, a data processing center) requires a fire suppression system that can react in seconds.

Water sprinkler systems are not available, or if present, may damage the contents of the facility to be protected or pose an electrical safety problem for fire fighters.

Kidde ADS Series

Ultimate Performance for Larger Applications*

* Especially Retrofitting of Existing Halon 1301 Installations

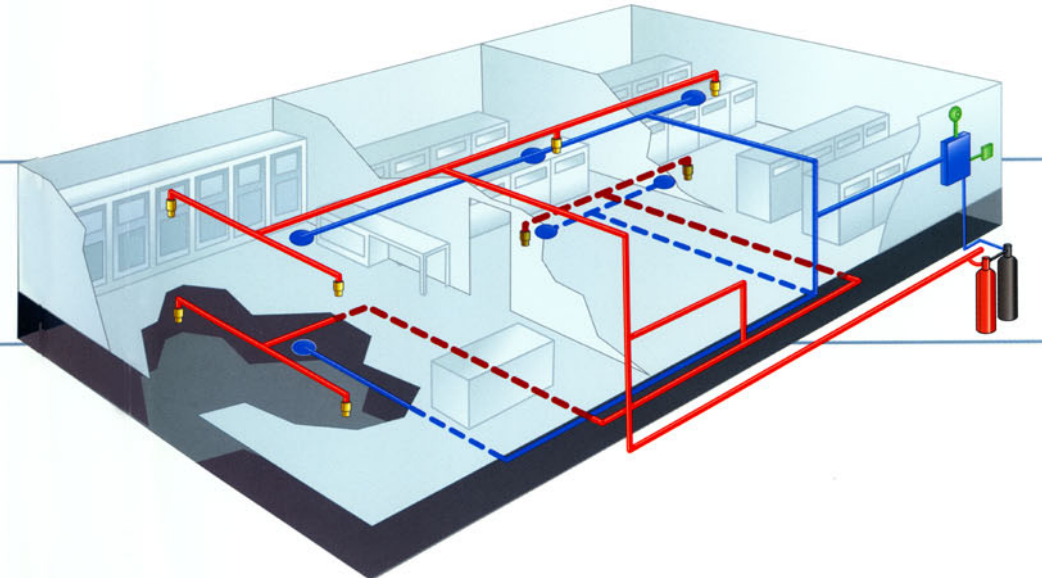
The Kidde ADS Series FM-200 System is an advanced system innovation developed by Kidde engineers to provide economic protection for larger enclosures requiring longer agent flow distances.

Advantages

- Virtual "drop-in" replacement for existing halon installations (uses existing piping; changes limited to replacement of agent storage cylinder and nozzles).
- Increased agent flow rates and distances provide better coverage for larger hazard areas.
- Smaller piping diameter results in installation cost savings.
- Ultimate design flexibility provides more economical protection in many applications.

Typical Applications:

- Replacement of existing Halon 1301 systems
- Telecommunications facilities
- Internet hosting sites
- Recording studios
- Larger manufacturing complexes



People occupy the facility to be protected (a process control center is a typical application).

The use of a clean fire suppression agent is required to keep downtime to a minimum (as in an automated plant).

There is a limited amount of storage space available for the fire suppression system agent containers. There is a limited amount of storage space available for the fire suppression system agent containers..

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The Engineering Specification

The agent distribution nozzles should be 360 degree or 180 degree discharge pattern type custom designed for the system by Kidde. All FM-200 cylinder accessories such as pressure switches, cylinder mounting equipment, low pressure supervisory switches and multiple actuation equipment shall be Kidde equipment. The corresponding control/releasing equipment should consist of a Kidde type control or suppression release panel.

All Kidde FM-200 Fire Suppression Systems shall be designed, installed and maintained by a certified, factory trained, Kidde FM-200 system distributor.

Our Quality is Certified

Kidde FM-200 Fire Suppression Systems are made in America in accordance with ISO 9001 certified quality standards and installed and serviced by Kidde Distributors worldwide. When you've specified "Kidde," you've chosen the world's most respected name in fire protection.



Kidde FM-200 Systems are Available From...

This literature is provided for informational purposes only. KIDDE assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to work correctly. If you need more information on this product, or if you have a particular problem or question, contact KIDDE, Ashland, MA 01721: Tel: (508) 881-2000.

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