



fm-200[®] gas fire protection

fast, safe and approved worldwide



HYGOOD

The world's most trusted choice in fire protection from Hygood

Every second counts

When a few seconds could be the difference between a minor inconvenience and a major, business-destroying fire, you need an extinguishant that works fast.

Once actuated, Hygood FM-200® systems achieve extinguishing levels within 10 seconds, stopping ordinary combustible, electrical and flammable liquid fires before they have a chance to spread. When fire is put out this quickly, it means less damage, lower repair costs and reduced downtime. Your business is soon up and running again.

After the fire, what's left?

The trouble with many fire protection systems is that they work well, putting the fire out, but leave devastation in their wake... ruined fabrics, water-logged electronics, oil-contaminated equipment.

Hygood FM-200® is different, it's a clean extinguishant that leaves no oily residues, particulates, water or other corrosive agents. This means no damage to high-tech equipment and other delicate, sensitive objects and materials. Simply ventilating the affected area quickly puts your business back on course.

Being a good neighbour

Everything we do has some kind of environmental impact, from switching on the air conditioner to starting up the car.

However, Hygood FM-200® was created in response to the need to find an effective new agent to replace ozone-depleting Halon fire suppressants. It has little, if any, effect on the world about us. It does not harm the earth's stratospheric ozone layer.

Just as importantly, it stops fires fast. When you compare Hygood FM-200® with the devastating environmental damage caused by an uncontrolled fire, it is easy to assess the value of Hygood FM-200® as an environmentally responsible fire suppression solution.

Protecting your most valuable asset

People are the lifeblood of any business, and their protection is vital. Extensively tested and studied, Hygood FM-200® can be safely used in the presence of people. Its development is supported by the most comprehensive database of toxicological data of any similar product. In fact, this compound has been approved as a replacement for ozone-depleting propellants in pharmaceutical inhalers, such as those used to treat asthma.

use hygood's years of experience
to your best advantage -
the experts in fire protection



hygood fm-200® systems



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hygood fm-200® systems



specifications

System description

- Hygood FM-200® is a total flood suppression system.
- The system provides an FM-200® minimum design concentration, in accordance with UL 2166, of 7.17% by volume for Class A hazards and 9.0% by volume for Class B hazards, in all areas and/or protected spaces at the minimum anticipated temperature for the protected area. System designs, in accordance with ISO 14520, require a minimum design concentration of 7.5%.
- The complete system includes all mechanical and electrical installation, detection and control equipment, agent storage containers, Hygood FM-200® agent, discharge nozzles, pipes and fittings, manual release and abort stations, audible and visible alarm devices, auxiliary devices and controls, shutdowns, alarm interface, caution/advisory signs, functional checkout and testing, training and all other operations necessary for a functional, approved, FM-200® clean agent suppression system.

General requirements

- FM-200® system materials and equipment are standard products complying with the supplier's latest designs and suitable to perform the functions intended. Where more than one piece of equipment is required to perform the same function, they are products of the same manufacturer.

Storage and distribution

- Each system has its own supply of clean agent.
- System design can be modular, central storage, or a combination.
- Systems are designed in accordance with manufacturers' guidelines.
- Each supply is located within the protected area, or as near as possible, to restrict the amount of pipework and fittings needed.
- The clean agent is stored in Hygood Safety Systems agent storage containers, super-pressurised with dry nitrogen to an operating pressure of 360psi at 70°F (24.8 bar at 20°C). Containers are high-strength low alloy steel construction, conforming to NFPA 2001.
- Containers are actuated by a resettable electric actuator with mechanical override located at each agent container or connected bank of cylinders. Non-resettable actuation devices are not permitted.
- Each container has a pressure gauge and low pressure switch to provide visual and electrical supervision of the container pressure. The low pressure switch shall be wired to the control panel to provide an audible and visible fault alarm should container pressure drop below 247psi (17 bar). The pressure gauge is colour coded to provide an easy, visible indication of container pressure.

- Each container has provision for pressure relief, operating automatically before internal pressure exceeds 750psi (51.7 bar).
- Engineered discharge nozzles are provided within manufacturers' guidelines to distribute FM-200® throughout protected spaces. Nozzles are designed to provide appropriate agent quantity and distribution. Nozzles are available in sizes ranging from 10 to 50mm, with each size available in 180° and 360° distribution patterns. Ceiling plates can be used with the nozzles to conceal pipe entry holes through ceiling tiles.



Hygood fire extinguishing systems are manufactured by:

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