



GX20 with FM-200® Clean Agent

Fire Extinguishing System

Clean Agent for High Value Asset Protection

FM-200® is a chemical named Heptafluoropropane that is stored as a semi-liquid and discharged as a gas. It distributes uniformly throughout the hazard zone, and extinguishes fire primarily by heat absorption from the flame.

ENVIRONMENT

With a zero ozone depletion potential (ODP), a global warming potential (GWP) of 3200, and an atmospheric lifetime (ALT) of 31 + years.

CONTAINERS

A wide range of container sizes from 5 to 368 litres is available, offering a choice of fill capacities to meet specific requirements and ensure maximum economy in installation. Each container is manufactured from high strength alloy steel and both TPED and DOT are available.

EFFICIENT

Small and large-scale tests have proven that FM-200® agent extinguishes fire quickly, before any serious damage occurs. Achieved by reaching the extinguishing concentration in less than ten seconds, being effective on a wide range of Class A, Class B and fires involving energised electrical equipment.

CLEAN

FM-200® discharges as a colourless gas at standard conditions, exhibiting a boiling point of -16.4°C. Electrically non-conductive and non-corrosive gas.

COST-EFFECTIVE

By using its tried and trusted range of 25 bar equipment, Kidde Fire Protection can offer a cost-effective fire extinguishing system.



SYSTEM DESIGN

The Kidde Fire Protection system comprises FM-200® agent stored in steel containers connected to distribution pipework and specially designed discharge nozzles.

FM-200® agent is stored as a liquid super-pressurised to 25 bar with nitrogen. This allows efficient transport and vapourisation of the Novec fluid allowing flexible system design. These systems have minimal storage space and weight requirements compared to other viable gaseous agents.

The range of containers, valves and related components has been specially selected for use with FM-200® agent and has been subjected to stringent testing procedures. Flexibility, quality and reliability make the Kidde Fire Protection range the world's finest in fire safety

Engineered systems are designed using FM Global and UL verified software and guidelines, that offer optimum designs for the defined risks with reduced pipe sizes, unbalanced flows and common room and void protection possible.

VALVES

Valves are designed for optimum system performance, allowing pipe sized to be reduced and installation costs to be lowered. They are manufactured from tough, corrosion-resistant brass under stringent quality control standards. A pressure monitoring gauge and optional supervisory pressure switches are provided for easy servicing. Valves are actuated by electric solenoid, pneumatic, or local manual release at the control head.

All related components from discharge nozzles to control heads are designed to be compatible, allowing a complete system to be configured using FM Global and UL approved Kidde Fire Protection equipment.

NOZZLES

Custom-designed nozzles are available with normal pipe sizes from 6mm to 50mm, including 180° and 360° configurations.



Typical applications protected by a FM200® Clean Agent System:

- Health Care Facilities
- Internet Hosting Facilities
- Larger Manufacturing Complexes
- Multi-level Sites
- Recording Studios
- Telecommunications Facilities

Integrated with FM-200® Clean Agent System components:

- Control Unit
- Smoke Detection
- Heat Detection
- Suppression Cylinders
- Notification Devices
- Manual Pull Stations

Approvals & Listings:

- UL/FM
- LPCB
- TPED
- CPR

