



MX 1230 compact extinguishing systems with
the extinguishing agent Novec™ 1230 from 3M™

*Cool down.
Fire Protection by*

mx BRANDBEVEILIGING

COMPACT

Compact fire protection

Fire: an everyday risk with consequences

Nearly no company nowadays can compete without its data processing and communication technology. The prerequisite for an effective company workflow are operational EDP and IT systems that need special protective technology for reliable operation.

Fire protection is a very important part!

Fire can break out at any time. This only requires a certain ratio of combustibles, heat and oxygen:

- ▶ Combustible exists in electronic systems in the form of circuit boards, cables, plugs and the like.
- ▶ Hazardous heat is generated at overloaded components, in short circuits and due to insufficient cooling.
- ▶ The oxygen a fire needs is always contained in the air.

Once the fire reaction has started and produces heat itself, it must be immediately extinguished to avoid a catastrophe. Even a small fire can cause the irretrievable loss of data and valuable materials or the breakdown of important systems. The result is a longer interruption of business, which in the worst-case scenario can be life threatening for a company.

24 hours, 365 days automatic fire protection

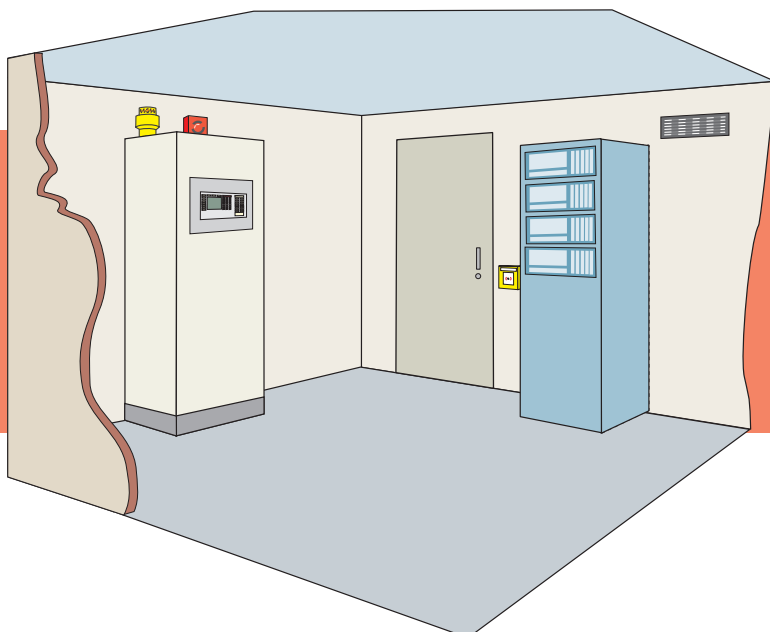
Reliable, automatic and round the clock, the Minimax MX 1230 compact extinguishing system with the extinguishing agent Novec™ 1230 from 3M™ protects data processing and electronic control systems. The compact extinguishing system is space-saving, detects the fire hazard automatically in an early state, automatically separates the supply of current, extinguishes independently, quickly and residue free. The extinguishing agent is environmentally friendly and guarantees safety for people.

Novec™ 1230 is the perfect extinguishing agent for the protection of sensitive EDP and IT systems. It binds the heat energy directly in the flame and thus interrupts the combustion process. The extinguishing agent is colourless and nearly odourless and liquid at room temperature. It is neither corrosive nor electroconductive, causes no damage and leaves no residues on sensitive electronic components.

Novec™ 1230 is the newest generation of chemically effective extinguishing agents with excellent properties for protecting the atmosphere. These positive environmental features secure its unrestricted use in the future as well.

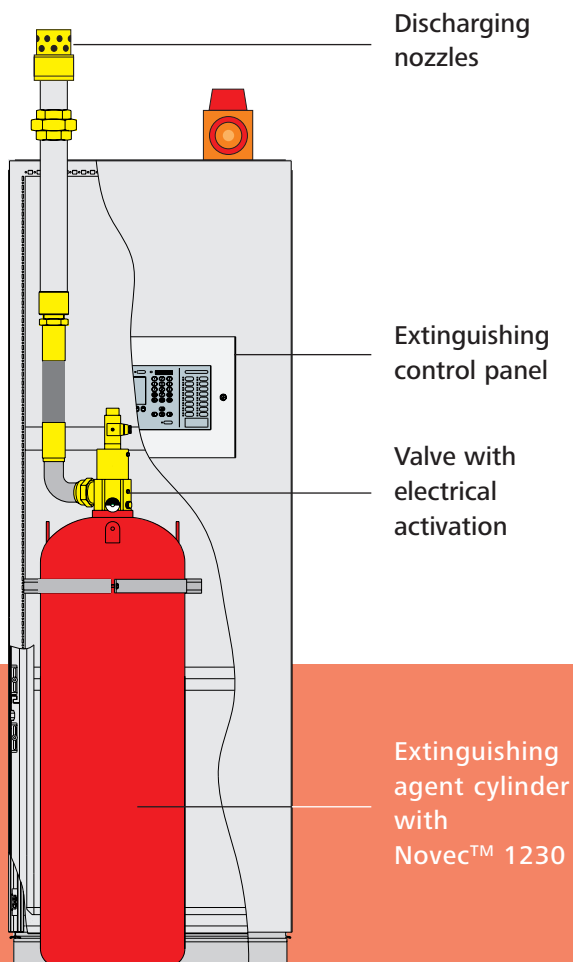
Typical operational areas of the MX 1230 compact extinguishing system are rooms with electrical and electronic systems, such as:

- ▶ Computer and server rooms
- ▶ EDP and communication equipment
- ▶ Control centres
- ▶ Laboratory and medical equipment, as well as mainframe archives and the like



Set-up, connect, ready to extinguish

The special advantage of the MX 1230 compact extinguishing system: control panel, extinguishing agent supply and on request also discharging nozzles, buzzers and flashing lights are housed together in a cabinet. The system can hence be installed in the area it is designed to protect, which saves space and requires minimal assembly and installation.

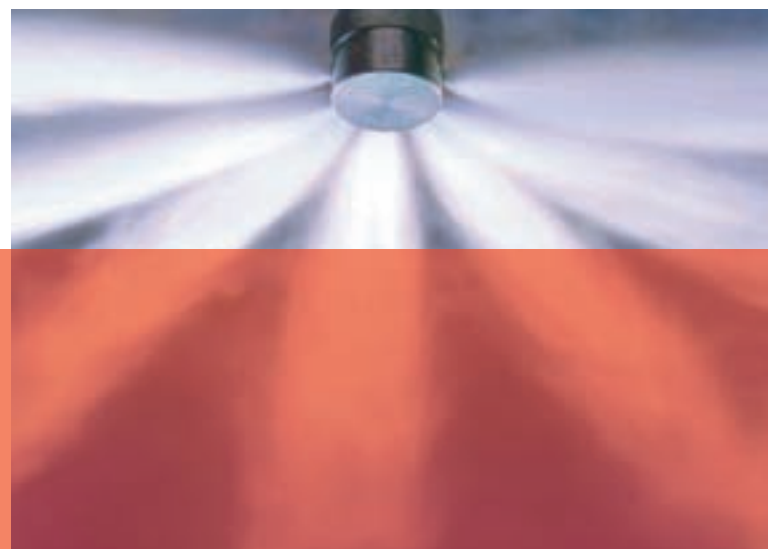


This is how secure fire protection with the MX 1230 compact extinguishing system works

Sensitive fire detectors on the ceilings and in double floors, as needed, monitor the protected area continuously and without interruption. At even the slightest deviation from normal conditions the detectors recognise a fire and send a signal to the fire detection and extinguishing control centre. This separates the circuit of the endangered devices, switches off the climate control and triggers an audible and visual alarm. After a programmable delay time, the extinguishing agent cylinder is opened automatically, the extinguishing agent flows to the nozzles, where it is vaporised as exits. Within 10 seconds the gas is evenly distributed in the area and extinguishes the fire.

Intelligent supplement

An effective system supplement is the highly sensitive Helios early fire detection system. The earliest detection provides personnel on the scene with a valuable head start. In this early phase a simple measure, such as switching off the machine, can prevent a smouldering fire from developing into an open fire.



BENEFITS

All components in one unit

Fire protection with the MX 1230 compact extinguishing system has many benefits:

- ▶ Optimised damage limitation by sensitive detection, brief flooding time and rapid extinguishing effect
- ▶ Optimal use of valuable technology surfaces through compact and space-saving assembly
- ▶ Minimum disruption to operating sequences during assembly due to the pre-assembled Plug & Play system with minimum time and expense involved in installation
- ▶ High environmental compatibility of the extinguishing agent
- ▶ Optimal system for areas where people are present due to use of a safe extinguishing agent
- ▶ Effective and complete all-around security for all systems and installations in the protected area
- ▶ High availability of the fire protection due to rapid refilling after use



The MX 1230 compact extinguishing system comes in three models

| Type | Dimensions (W x H x D) | Weight ¹ | Protected volume ² | Available control panels |
|------------------|------------------------|---------------------|-------------------------------|-----------------------------------|
| MX 1230 40 | 800 x 2100 x 600 mm | 209 kg | 14 up to 40 m ³ | FMZ 5000 mod 4 FMZ 5000 mod 12 |
| MX 1230 80 (100) | | 237 kg | up to 80 (100) m ³ | |
| MX 1230 140 | | 255 kg | up to 150 m ³ | |

¹plus extinguishing agent (1.616 kg/l).

²design concentration 0.94 kg/m³ Novec™ 1230 (larger protective volumes on request).

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* Certified according to ISO 9001

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Subject to technical modifications.