



SPECIAL EXTINGUISHING AGENT FOR IT-SYSTEMS

FirExting®
Gas extinguishing systems
with the chemical extinguishing
agent Novec™ 1230



EFFECTIVE FIRE FIGHTING – THANKS TO FIRE EXTINGUISHING WITH Novec™ 1230

Rapid extinguishing without leaving residue is crucial in emergencies with IT applications.

The extinguishing gas Novec™ 1230 is now used as “third-generation halon” to protect IT areas and telecommunication equipment. Fire damage in the IT field can quickly assume dimensions which can threaten the existence of a company. In order to protect computer systems and centres to handle the potential risks, any

fires that break out will have to be extinguished quickly without leaving any residue. WAGNER offers FirExting® extinguishing systems with the chemical extinguishing gas Novec™ 1230 specifically for this purpose. The Novec™ 1230 system is VdS-approved.

It is used in IT areas on account of its quick effect for extinguishing forming fires:

- Server rooms
- IT areas
- Telecommunication equipment
- Control rooms
- Measuring and control rooms
- Control centres
- Raised floors

Stop the combustion process with Novec™ 1230

As a rule, fires can only break out if all three components of the fire triangle (oxygen, heat energy and fuel) are present.

Novec™ 1230 deprives the fire source of its heat energy. This puts the fire out within a very short time.

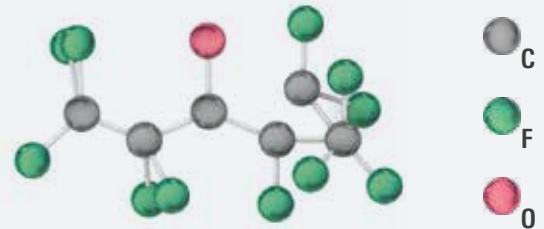
When a fire is detected, the gas extinguishing system is triggered. This can take place automatically as well as manually. The area to be protected will be flooded with Novec™ 1230 in max. 10 seconds.

In order to prevent reignition, a minimum extinguishing gas concentration must be maintained for a definite duration and the operating equipment must be shut down for fire safety reasons.

Novec™ 1230 as an extinguishing gas

- Extinguishes extremely quickly with a flooding time of max. 10 seconds – and leaves no residue behind.
- Does not conduct electricity.
- Smaller pressure relief openings are needed in comparison with inert gases.
- Lower amount of space needed to supply the extinguishing agent
- Only short pre-warning period
- Single or multi-zone installations possible

Schematic representation of the molecule Novec™ 1230



The fire triangle: Fire extinguishing through heat deprivation



The chemical extinguishing gas Novec™ 1230 can absorb heat quickly. This way, it deprives the fire source of the heat energy and stops the combustion process within a very short time.

In the extinguishing zone

Acoustic and optical alarm devices

Ensure that everyone has left the protected area during the pre-warning period

Smoke detector

Monitor the extinguishing zone, send an alarm to the extinguishing control panel if smoke is detected

Gas extinguishing nozzles

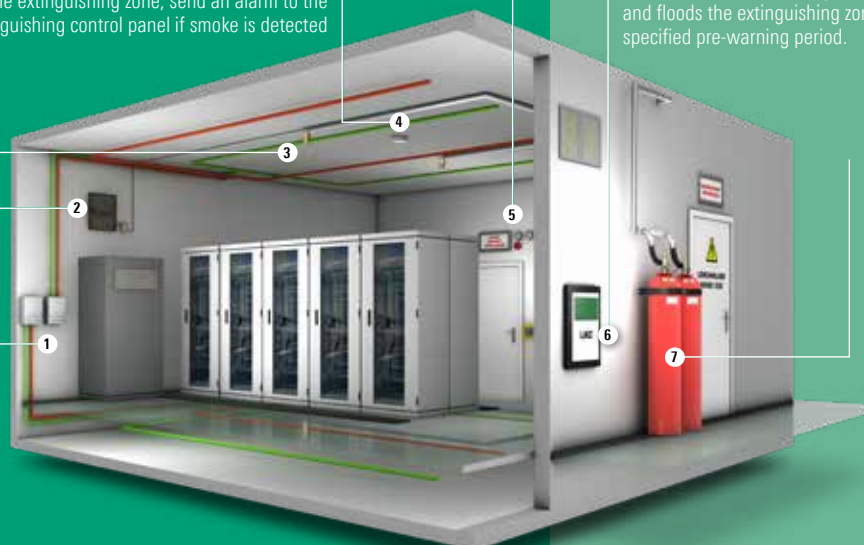
Located on the end of the pipework, route the extinguishing gas into the extinguishing zone in the event of an alarm

Pressure relief

Prevents an impermissible rise in pressure when the extinguishing zone is being flooded

Air sampling smoke detection system

Continuously analyses the room air actively by taking samples of the air, detecting even the most minimal smoke as early as possible



In the fire extinguishing installation

Fire / extinguishing control panel

Processes fire detection signals, triggers alarm and floods the extinguishing zone after the specified pre-warning period.

Extinguishing cylinders

Novec™ 1230 is supplied in liquid state in extremely space-saving containers of up to 140 litres with a 42 bar nitrogen cushion

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WAGNER sets standards in fire protection – with innovative and comprehensive solutions

Fire detection and alarm systems

Very early fire detection systems (TITANUS®)

Active fire prevention (OxyReduct®)

Fire extinguishing (FirExting®)

Hazard management (VisuLAN®)