

SIEMENS



Sinorix 1230 – quick, safe and environmentally friendly

Keep fire virtual. With intelligent extinguishing solutions from Siemens.

Answers for infrastructure and cities.



Pappas Group Headquarters, Austria

Sinorix 1230 protects server rooms at the corporate headquarters effectively and sustainably – harmless for people and sensitive assets.



Sinorix 1230 – intelligent solution for fast and safe extinguishing

Sinorix 1230 reacts rapidly with superior extinguishing properties – protecting valuable assets and ensuring extinguishing without negative impact on the environment.

Advanced extinguishing solution

Sinorix™ 1230 is an excellent solution for the protection of high-value assets, business processes and people. It is based on the environmentally friendly extinguishing agent 3M™ Novec™ 1230 Fire Protection Fluid. The high-pressure technology from Siemens allows highest design flexibility and the realization of single-sector and multi-sector systems. Enabling rapid, safe and automated interventions, Sinorix 1230 can prevent loss of data and secure business continuity.

Most effective for smoldering fires

Sinorix 1230 is an effective and clean extinguishing solution that is ideally suited to extinguish smoldering fires. It causes neither damage to nor leaves any residue on sensitive equipment. This makes it the perfect choice for eliminating electrical and electronic risks.

Sinorix 1230 – typical applications

- Data centers and server rooms
- Telecommunication systems
- Electrical switching rooms
- Store rooms
- Military depots
- Clean rooms

Fast, highly effective and economical

The high efficiency of the Sinorix 1230 system allows using a low extinguishing concentration. Novec 1230 fluid even offers the lowest extinguishing concentration of all currently authorized extinguishing agents. Therefore, compact system designs are possible and less space is needed for installation and cylinder storage.



- Legend**
- 1 Fire detection and extinguishing control panel
 - 2 Novec 1230 cylinders
 - 3 Aspirating smoke detector
 - 4 Piping network with nozzles
 - 5 Fire detector
 - 6 Alarm sounder with supplementary optical indication
 - 7 Overpressure flap
 - 8 Warning display
 - 9 Electrical manual actuator for extinguishing system
 - 10 Emergency stop button for extinguishing system

Harmless for people and assets

The Novec 1230 fluid is non-corrosive and non-conductive, which means it does not damage high-value assets such as delicate electronics. It is also harmless to people’s health. This makes the Novec 1230 fluid ideal for spaces that are normally or occasionally occupied. The agent is also non-toxic, non-flammable and non-explosive.

Innovative and environmentally friendly

The innovative Novec 1230 fluid is safe, effective and not subject to regulatory restrictions or phase-out. The Novec 1230 fluid has zero ozone depletion potential

(ODP), a short atmospheric lifetime (ALT) of 3 – 5 days and a low global warming potential (GWP) of 1, making it exempt from restrictions of so-called “greenhouse gases” imposed by the Kyoto Protocol. This makes Novec 1230 fluid an innovative, clean and future-proof solution.

Sinorix 1230 with the Novec 1230 fluid follows EN standards and guidelines and is backed by appropriate certifications such as VdS, CNPP and others.

Highlights

- Highest extinguishing efficiency and flexibility in engineering
- Optimal protection of electrical and electronic equipment
- Efficient high-pressure technology from Siemens
- Discharge time 10 seconds for fast extinguishing
- Compact, space-saving system
- Non-conductive, no residues
- Harmless for people with one of the highest safety margins
- Innovative, effective and environmentally friendly

Sinorix Compact – easy, unique, all-in-one fire safety

The Novec 1230 fluid is also a key component of Sinorix Compact. The well-designed fire safety system integrates fire detection, extinguishing, alarming and control in one space-saving cabinet. This makes it an ideal solution for protecting small enclosures with volumes up to 120 m³ that contain electronic and electrical equipment.



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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.



Novec™ 1230
Fire Protection Fluid
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Answers for infrastructure and cities.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure.”