



SINORIX™ INERT GAS FIRE SUPPRESSION SYSTEMS

Protecting your tomorrow
with **inert gas fire
suppression systems**

Fire protection with **environmental care**

The Sinorix Inert Gas system offering consist of pure agents – Nitrogen, Argon, CO₂ and mixed compounds – IG541

Safe and sustainable fire suppression

Sinorix Inert Gas systems are automated fire suppression systems that work by displacing the oxygen to extinguish fires. Using nitrogen, argon, or CO₂ in pure or mixed form, these naturally occurring gases have no ozone-depleting or global warming potential.



Setting new standards in business continuity and resilience

Using inert gas agents offers a plethora of benefits over other fire suppression technologies. They do not create any hazardous and toxic byproducts upon contact with fire, they reduce collateral damage to electronic equipment and machinery to a minimum and reduce cleanup effort post-discharge, which facilitates a faster return to normal.

ADVtechnology – the swiss army-knife in actuation valve technology

A key element in the rising success of the Sinorix Inert Gas system is the new and Advanced Double-Actuation Valve F230. F230 can be used for all type of agents and activation methods – electromagnetic, pneumatic, double- pneumatic and manual. This multi-purpose component simplifies and facilitates system design, installation, and maintenance. In addition, the cylinder valve can be opened with a lower pressure, where only one pneumatic actuator type can now cover the full pressure range of 8 – 360 bar.



Components are now also smaller and lighter, and can be mounted by hand with minimal force, which improves handling during installation and maintenance.

Tailored solutions for a wide range of applications

Natural and clean inert gases are applicable in wide variety of applicaitons, as they provide outstanding properties to successfully address a multitude of fire risks, such as metal fire risk, lithium-ion battery fire risks, or standard electrical fire risks.

Key applications



Data centers and server rooms



Li-ion battery storage systems



Power distribution/e-houses



Electrical switching rooms



Gas turbines



Industrial applications

To be specific, nitrogen is most suitable when protecting critical electrical infrastructure, such as typically found in switching rooms, energy storage systems or data centers. Argon is the perfect fit for areas with risk of metal fires or chemical storage rooms containing highly reactive substances. Whereas, carbon dioxide is used in confined, unmanned applications, such as oil baths and transformer stations. Argon, nitrogen and carbon dioxide all follow the EN standards and guidelines and are VdS, as well as CNPP certified.

With Sinorix, business doesn't stop

Behind every critical system there is a business who can't afford to stop. Because when fire strikes, every second matters – and so does the confidence that your business can carry on. Sinorix Inert Gas systems safeguard your operations without leaving harmful residue – minimizing damage, cleanup, and downtime. Where others fall short, Sinorix ensures your business keeps moving, even after a fire. Protect your tomorrow with Sinorix Inert Gas fire suppression systems.

A reliable partner at your side for the entire lifecycle of your fire safety system

Providing extinguishing solutions requires considerable expertise, especially during planning and design.

Siemens provides the latest digital planning and design tools, online product catalogue, system configuration, BIM, Step and DWG data including online ordering process, as well as calculation, planning tools and specification texts.

Siemens provides over 170 years of expertise and experience in extinguishing and provides technical support, which is invaluable to avoid mistakes and over-engineering. With Siemens you will be able to generate optimal designs, which greatly reduce project costs, while ensuring maximum safety.

Siemens extinguishing solutions have been rigorously tested in our in-house laboratory, where we also develop applications to address new and emerging fire risks.

As a global supplier of extinguishing products and solutions, Siemens is able to offer optimal customer service and technical support, backed by our international competence center.

The key success factor: Integrated fire suppression and extinguishing solutions

The most common cause of failure in fire safety systems is an interruption in the interface between detection, alarm, control, and extinguishing.¹

Sinorix Inert Gas extinguishing solutions easily integrate with control, detection and alarming systems. Our capability to provide integrated solutions further increases safety and reduced associated risk of failure.

¹ VdS Congress Extinguishing Systems, Cologne



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Siemens Smart Infrastructure addresses these topics by combining the real and the digital worlds.

Our technology transforms infrastructure, across buildings, electrification, and grids, at speed and scale, enabling collaborative ecosystems to accelerate our customers' digital journey to become more competitive, more resilient, and more sustainable.

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