



GAS EXTINGUISHING SYSTEMS

SEBINO[®]
FIRE AND SECURITY



Safety and Professionalism: you don't play with fire!

Sebino Antincendio supplies gas extinguishing systems to protect data centers, server rooms, EDP rooms, archives, warehouses, turbine rooms, technical rooms, gear rooms, UPS rooms, wherever water and other systems could damage the equipment and/or the goods stored, but that's not all:

- Service and dedicated technical support.
- Solid design experience.
- Marked products complying with CE / CE marking 2010/35/UE European Directive.
- TPED tanks
- LPCB and A2P certification for components and systems.
- Full design, installation and maintenance service for gas systems.

Sebino Antincendio assist their customers in selecting the gas extinguishing systems suitable for the risk to be prevented. The hydraulic calculations are drawn by skilled personnel using calculation software certified by third parties (VdS - Vertrauen durch Sicherheit).



EXTINGUISHING SYSTEMS

With "LPCB" system certification

- **FSL 1230™**
- **NOVEC™ 1230**

Fluid extinguishing system of 25 or 42 bar
NOVEC™ 1230 (3M™ U.S.A.), original.

- Available tanks: 15, 30, 50, 80, 120, 150 and 180 liters, all with TPED homologation.
- Reduces storing room.
- The gas extinguishing system **FSL 1230™ NOVEC™ 1230** is a safe choice even in manned areas.
- **NOVEC™ 1230** is electrically non-conductive, acknowledged by NFPA 2001 and ISO 1450 international standards, excellent for quick suppression of a start of a fire and does not leave residues after discharge.
- The gas system **FSL 1230™ NOVEC™ 1230** official 3M™ does not have to comply with F-GAS regulations, since it is not a HFC gas.
- **FSL 1230™** grants the customer the "Blue Sky Warranty" 20-year-warranty released by 3M™.
- **FSL 1230™** is suitable for the three risk classes provided by EN 15004 and NFPA 2001 standards (Class A - High Hazard Risk - Class B).
- This extinguishing agent can be used within the European Union and does not have to comply with F-GAS regulations.
- Chemical gas extinguishing systems are designed for 10 second discharge time as provided by the current EN 15004 and NFPA 2001 standards.

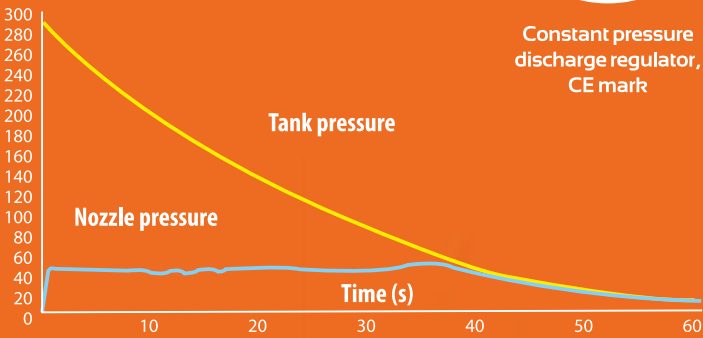


- **INERTECH™**

Extinguishing system with constant discharge UL certified components and T-PED tanks



Constant pressure discharge regulator, CE mark



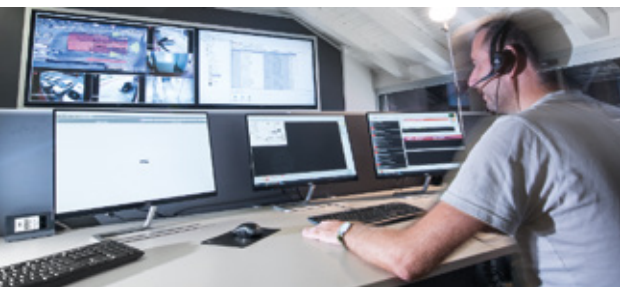
- IG100, IG01, IG55 and IG541 inert gases are available at a pressure of 200 or 300 bar in tanks of 80 or 140 liters.
- The 4 systems use the same hardware.
- Standard or electrical pressure gauge to control pressure.
- The pilot tank is electrically controlled (solenoid).
- Pilot tank(s) are activated pneumatically.
- All **INERTECH™** systems come complete with a dynamic system of the extinguishing agent flow and pressure.
* The dynamic regulator is assembled on the discharge output fitting of the tank quick flow valve.
- This device enables constant pressure during the whole discharge time (60 or 120 seconds) at max. pressure of 60 bar.



Remote assistance	Functions	Advantages
System configuration	Remote modification of operating parameters for main unit and sensors	The parameters of the main unit and sensors can be set remotely.
Operation control and pre-maintenance of the system	Remote operation monitoring of the systems and relevant components	Real time control of the entire system operation 24/7 and constant system diagnostics; real time coordination of the necessary maintenance operations
Fault detection of graphic maps	Graphic display of the fault positions (areas, sectors and components)	Immediate detection of the faults exactly where they take place, and relevant impact evaluation
Disable components	Faulty components are excluded from the circuit	Immediate remote intervention on faulty components (reset or exclusion)
Enable components	Re-enables component operation	Remote fault report, detection and evaluation allows an immediate and targeted intervention, if necessary, so that components can be replaced and the system can restart
Battery/power supply status check	Discharge status/battery and power supply operation control	Real time fault report and targeted intervention
Event history	Stores all events in the main unit memory and allows download	The event history can be downloaded enabling a better fault interpretation and the creation of historical data

Fire detection Extinction

Timeliness and reliability in fire detection are fundamental for the safety of the people present in the premises and for the property protection. We have in-home skilled designers and qualified installers to provide the most reliable smoke detection solution. The intervention procedures are previously agreed upon following the specific needs of the customer. The great technical and installation know-how of both electrical and mechanical parts allows us to offer the most suitable extinguishing system: perfect interconnection between the detection system and the extinguishing system so as to ensure an efficient intervention while protecting people and property.



Centralization And Remote Assistance

Remote-controlled centralization and remote assistance of the smoke detection system offers the possibility to check each component of the system from the control room, enabling the operator to manage each single event by reading the graphic maps. With this system, the alarm is received and managed both in text form and displayed on the graphic map, so that type and position of the anomaly is immediately identified.



The activated sensors are visible on the map: rest status (green), alarm condition (red). The remote operator is able to intervene directly on the alarm main unit to shut down the events, to restore the alarm, to disable and enable sensors sectors, to download from memory, to test the equipment function test and to perform countless other operations as if he were present and connected on site via software directly to the control room.

EXTINCTION TECHNOLOGY

All our systems are internationally approved.

Sebino Antincendio offers a complete range of internationally certified extinguishing systems that use different gases and pressure technologies, such as the Novec™ 1230 extinguishing fluid and the HFC227ea gas of 25 or 42 bar, Inertech IG55, IG541, IG100, IG01 inert gas systems of 200 or 300 bar. Thanks to this approved and certified range, we are able to offer the best fire protection solution to our customers.

TOTAL QUALITY

We guarantee a constant quality of our systems thanks to the strict application of quality procedures. The English LPCB and French A2P certifications (the latter for Inertech inert gas IG55 - 200 or 300 bar systems) testify the performance and the quality of systems and components. These performances are checked and verified during the design real tests, installation and discharge tests carried out at the European Certification Laboratories. Certificates are monitored and controlled annually by the certification bodies. Sebino Antincendio co-operates with FSL Firetec Systems Ltd., a BRE ISO9001: 2008 certified company.

STANDARDS

Sebino Antincendio solutions are designed and configured to meet the specific needs of the customer in terms of design, installation and maintenance, in compliance with current regulations.

- **UNI EN 15004** Fixed firefighting systems - Gas extinguishing systems
- **UNI 11280** Initial verification and maintenance of fire extinguishing systems and gas extinguishers
- **UNI 9795** Automatic fire detection and fire alarm systems - design, installation and operation
- **UNI 11224** Initial verification and maintenance of automatic fire detection and fire alarm systems.

GAS EXTINGUISHING SYSTEMS

- **INERTECH™** IG01, IG100, IG55, IG541
- **FSL 1230™** with fluid gas **NOVEC™** 1230
- **EUROTECH** HFC 227ea



Systems:
FSL 1230™
HFC 227
INERTECH™

In co-operation with:



SEBINO
FIRE AND SECURITY

www.sebino.eu



Sebino S.p.A.

Via Enrico Mattei, 28
24040 Madone (BG) • IT

☎ +39.035.292811
✉ contact@sebino.eu



Sebino Security S.r.l.

Piazza Guglielmo Marconi, 4
24122 Bergamo (BG) • IT

☎ +39.035.219429
✉ contact.security@sebino.eu



Sebino Service S.r.l.

Via G. B. Turcotti, 10
15033 Casale Monferrato (AL) • IT

☎ +39.0142.455580
✉ contact.service@sebino.eu



Sebino Fire RO S.r.l.

122B Panduri Street, Warehouse B
077041 Chitila, Ilfov County • RO

☎ +40.214.403363
✉ contact.ro@sebino.eu

