



EXXFIRE

securing hardware

1500

Technical data

EXXFIRE 1500

LxWxH	mm	418x443x165
	inch	16.5x17.1x6.5
Weight	kg(lbs)	24(60)
Extinguishing Agent	N ₂	IG100
Gas mass(volume)	kg(L)	1.9(1500)
Protected volume*	m ³ (ft ³)	2.4(84)
Output pressure**	bar	8-40
ADR ***	Class	9/4.3
Protection rating****	Class	IP30/IP67
Voltage(mains)	V	230 AC
Back-up power	hrs	4
Lifetime generator	yrs	10
Sensor maintenance		annually
Temperature range	°C	-25 to 65
Generators	Qty.	2

* NFPA 2001 edition 2015 operating temperature of 24°C

** Pressure range based on minimum and maximum operating temperatures -25 to 65°C

*** Transportation classification of the system before and after deployment

**** System protection and generator protection classification



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Fire protection close to the source

Research has shown that companies sustained severe losses or even went bankrupt when their critical IT hardware failed completely (source: HDI-Gerling). Trading companies survive for 2.5 days, banks for 2 days and the rest won't reach 24 hours. In total 51% of the businesses ceased trading. Unfortunately fire can be one of the main causes for the downtime of critical hardware. Equipment such as IT racks but also electrical switching and power distribution cabinets are valued most critical to the business next to the human capital, and therefore need protection against fire.

EXXFIRE® protects your systems against fire through early detection and suppression, preventing large damage to your hardware. Limiting down-time and safe guarding continuity of your business. This robust technology originated from the European Space Agency program (ESA).

Suppression

The patented EXXFIRE® cool gas generator technology has unique features. A cool gas generator is like a small solid rocket. The solid propellant is pressure-less stored as a chemical block inside the water proof generator housing. An initiator start the decomposition of the propellant in order to release the pure Nitrogen gas (IG100) when needed. This way of gas storage is game changing in the industry because;

- Maintenance free gas storage
- Gas output at ambient temperature
- Long shelf life
- No Ozone depletion or Global warming potential
- Low pressure gas release
- Low noise level gas release



There is no danger of damaging your equipment by the fire suppressant and there are no cleaning costs afterwards. The pure Nitrogen gas changes the air composition, lowering the oxygen level to prevent the fire to start or continue.

Aspirating detection

EXXFIRE® has developed a smart and very affordable aspirating detection system. The system is equipped with Apollo™ sensors - based on advanced optical technology - to detect smoke by aspirating air actively. Our unique VOTEXX™ software makes sure that the system is robust and dependable to prevent any false alarm. EXXFIRE® has integrated this technology in it's fire suppression systems. Our systems contain;

- 3 Normally Open/Normally closed relays
- Dip switch setting possibilities
- LED indication
- Buzzer
- Mains powering
- High sensitivity
- Early smoke detection



Integrated fire suppression systems

The EXXFIRE® systems are designed in such a way that they can protect multiple types of enclosures like server racks but also e-cabinets, power distribution units, switching cabinets or any other cabinet with high value or mission critical equipment. It can be installed inside the protected area but also outside, providing enough protection up to 15% leakage*. The three Apollo™ optical sensors provide enough sensitivity to detect smoke long before fire will occur. The control system is based on the XP95™ protocol of Apollo™ and can be made compatible with any other fire alarm panel.

*Check for design references the design manual

EXXFIRE1500™ - 2 generators protecting 2.4m³/84 ft³

The classifications are based on a Class A, B and C type of fire, including powersupply, back-up battery, led indicator and 3 open relay contacts. The system is;

- Plug and Play
- Easy to install
- Low maintenance

When the system has been deployed, the used generators need to be replaced and recycled. EXXFIRE® will facilitate the environmentally friendly recycling through it's distribution network. The used generator can easily be replaced with very little down-time to protect your high value equipment again for a long time.

