fire kloud AEROSOL REVOLUTION TECHNOLOGY

Data sheet
FKa 1000



Technical features

Model		**FKa 1000 ET**
Gross weight		11800 ± 350 g
Extinguishing mass		1000 g
Efficiency		61%
Dimensions		322x174x220 mm *
Operating temperature	57 °C	-30 °C +35 °C
	68 °C	-30 °C +46 °C
	79 °C	-30 °C +57 °C
	93 °C	-30 °C +67 °C
	141 °C	-30 °C +95 °C
Relative humidity		95%
Discharge time		11...14 s
Thermal activation		57 °C, 68 °C, 79 °C, 93 °C, 141 °C
Cooling mode		mechanical/physical
Type of diffusion		conical
Coverage range (Hmin = 2,2 m)		10 m^2
Coverage range (Hmax = 3,5 m)		6,3 m^2
Discharge range		4 m
Fire class		A, B, C
Global Warming Potential (GWP)		0
Ozone Depletion Potential (ODP)		0
Atmospheric Lifetime (ALT)		negligible
Ignition power (Reliability 99%, Reliance 0,8)		0,7 A / 500 ms
Activator resistance		2,5 ± 0,7 Ohm
Surveillance electrical current		50 mA
Maximum non-ignition electrical current		0,17 A
Resistance to electrostatic shocks		± 25 KV/200 pF/ 500 Ohm
Activation time at 0,7 A		1...8 ms
Safety distance for building structure (T=400 °C)		8 cm
Safety distance for flammable materials (T=200 °C)		20 cm
Safety distance for people (T=75 °C)		70 cm
Maximum metal casing temperature		200 °C
Design density Class A, B, C (including safety factor)		58,95 g/m^3
Service life		15 years

UNI EN 15276 ISO 15779 — 15 YEARS Certified product life

Field of application

Volumetric protection of paper archives, libraries, data centres, depots, generator rooms, technical rooms, etc.

Product description

- The generator consists of a galvanised steel casing powder-coated RAL 3001 (other colours available on request).
- The generator is provided with fixing brackets.
- In addition to the electric activator, he generator is equipped with a stand-alone T-Kloud thermal detection device, which, thanks to a thermo bulb available at different temperatures, is able to activate the discharge of the generator.
- Thanks to a connection terminal block, the T-Kloud device can activate up to 8 interconnected aerosol generators.
- The T-Kloud device has a NO contact for remote control of the fire alarm and ventilation lock status.
- The T-Kloud device allows you to diagnose the fault status by connecting it to a supervised input of an IRAI control unit.

Test and certifications

- Fire Kloud aerosol generators are certified by RINA Services in accordance with EN 15276 and ISO 15779 standards.
- Each generator complies with the EMC Directive 2014/30/EU in accordance with CEI EN 61000-6-1, EN 61000-6-2 and EN 61000-6-3/A1/AC standards.
- All Fire Kloud aerosol generators have passed the impact and vibration test in accordance with CEI EN 61373 - Category 1 Class B and guarantee a 240 hours salt fog resistance in accordance with the UNI EN 15276 standard and the UNI EN ISO 9227 test method.
- The Fire Kloud aerosol extinguishing agent is very effective, environmentally friendly, non-aggressive (pH value 8-9) and non-toxic at the concentrations used.

* measurements do not include the size of the activators

Firex reserves the right to make any technical modifications to the product.

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CE MADE IN ITALY

Member of CISQ Federation RINA CERTIFIED MANAGEMENT SYSTEM ISO 9001