fire kloud AEROSOL REVOLUTION TECHNOLOGY

Data sheet
FKa 20



Technical features

Model		**FKa 20 RT**
Gross weight (without bracket)		650 ±50 g
Extinguishing mass		20 g
Efficiency		61%
Dimensions		45x45x205 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		8...9 s
Cooling mode		mechanical/physical
Type of diffusion		lamellar directional
Coverage range (Hmin = 0.45 m)		1 m^2
Coverage range (Hmax = 1.2 m)		0,4 m^2
Discharge range		1,5 m
Fire class		A, B, C
Global Warming Potential (GWP)		0
Ozone Depletion Potential (ODP)		0
Atmospheric Lifetime (ALT)		negligible
Choice of thermal activation from:		57 °C, 68 °C, 79 °C, 93 °C, 141 °C
Safety distance for building structure (T=400 °C)		n.a.
Safety distance for combustible materials (T=200 °C)		2 cm
Safety distance for people (T=75 °C)		7 cm
Max. metal casing temperature		160 °C
Design density Class A, B, C (including safety factor)		58,95 g/m^3
Protected area Class A, B, C		max 0,34 m^3
Service life		15 years

* measurements include the size of the activator

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

UNI EN 15276 ISO 15779 — 15 YEARS Certified product life

Field of application

Object protection for industrial, naval and railway applications, electrical cabinets, UPS, inverters, control panels, battery panels, power centres, telephony equipment etc.

Product description

- The 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 generator includes a connection cable L=2m.
- The generator consists of a galvanised steel enclosure powder coated RAL 3001 (other colours are available on request).
- 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.

Tests and certifications

- Fire Kloud aerosol generators are certified by RINA Services in accordance with UNI EN 15276 and ISO 15779 standards.
- Each generator complies with the EMC Directive 2014/30/EU according to CEI EN 61000-6-1, EN 61000-6-2, EN 61000-6-3/A1/AC and CEI EN 50155 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 highly effective, environmentally friendly, non-aggressive (pH value 8-9) and non-toxic at the concentrations used.

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Member of CISQ Federation RINA CERTIFIED MANAGEMENT SYSTEM ISO 9001