



## GreenSol A-5000™

# **Aerosol Extinguishing System**





Datasheet Series Version Date GreenSol A5000 A-5000 5.0\_UL 30-06-2020



#### GreenSol A-5000™

The GreenEx A5000 GreenSol Fire Extinguisher is based on the environment friendly SFE Powdered Aerosol technology, listed on the EPA Halon Alternatives SNAP list as Powdered Aerosol A, designed for total flood fire suppression applications.

The A5000 model is designed to extinguish and provide inertization for the following classes of fires.

- >Class A Fires involving ordinary combustibles such as paper, wood, cloth, rubber, or plastics;
- >Class B Fires involving flammable or combustible liquids, gases, oil, paints, or lacquer;
- >Class C Fires involving energized (live) electrical equipment such as motors, appliances, or power tools
- >Class K Fires involving combustible cooking oils, or fats in cooking appliances.

The extinguishing agent concentration required for each type of fire and volume to be protected is determined by the solid SFE agent content in the GreenSol unit and the number of units per system.

The extinguishing agent delivered by the GreenSol system is a powdered aerosol created "in-situ" by a chemical reaction taking place in a non-pressurized container, delivering dry powder small particles (1-5 microns) floating in inert gases.

The GreenEx A5000 GreenSol unit produces large amounts of powdered aerosol, designed to extinguish a fire in a 50 m3 closed volume.

The system is compatible with standard detection and release systems and can be installed inside or outside the protected volume.

#### Main features

- Powdered Aerosol Halon Replacement
- > No Ozone Depletion
- > No Global Warming
- Low Toxicity
- Highly Efficient 100 gr/m<sup>3</sup>
- Approved by EPA, SNAP listing (derosol A SFE)
- Small Safe Simple
- > For A-B-C-K Class Total Flooding Applications
- Cost Effective



## GreenSol A-5000™

## Applications

- > CNC machines
- > Computer 19" racks
- > Control rooms (false ceiling sub floors)
- > Electrical cabinets
- Engine & compressor rooms
- > Paint lockers
- > Server rooms
- > Telecom rooms
- Flammable and combustible liquids storage

## **General Specifications**

Extinguishing Volume	50 m³ (100 gr/m3)				
Activation Mode	Electrical				
Powdered Aerosol Color	White / light gray				
Discharge Time	58 sec				
Temperature Range	-40°C (-40°F) to +54°C (130°F)				
Toxicity	None				
SFE Weight	5000 gram				
SFE Specific Gravity	1.2 - 1.5 gr/cm <sup>3</sup>				
SFE Combustion Velocity	1.1 - 1.2 mm/sec				
Fire Classes	А - В - С -К				

## **Electrical Requirements**

Power Supply	1.35 Amp				
Ignition	Electrical match SPEX				
Electrical resistance	0.85 - 1.85 Ohm (± 0.2)				

#### **Mechanical Specifications**

Dimensions (W x H x L)	190 x 390 x 390 mm		
Total Weight	35 kg		

#### **Environment Friendly**

Specifications subject to changes

Ozone Depletion Potential	None
Global Warming Potential	None

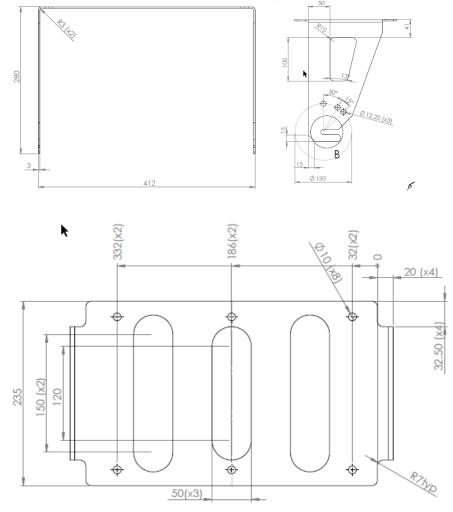




ISO 9001:2015

#### **Bracket dimensions**

## GreenSol A-5000™



## Thermal Analysis A-5000

#### Minimum safe distance for Personnel:

Discharge	stream			Generator casing			
Distance,	Distance,	Max.	Max.	Distance,	Distance,	Max.	Max.
in	cm	temp, °F	temp, °C	in	cm	temp, °F	temp, °C
72	183	166	74	.25	0.6	139	59

Minimum safe distance for Combustibles:

Discharge	stream			Generator casing			
Distance,	Distance,	Max.	Max.	Distance,	Distance,	Max.	Max.
in	cm	temp, °F	temp, °C	in	cm	temp, °F	temp, °C
24	<mark>6</mark> 1	342	156	.25	0.6	151	66

## Approvals and accreditations

- > UL-2775, EX27228
- EN-ISO-9094:2015, European Recreational Craft Directive 2013/53/EU
- > CE Marking
- ANSI/UL 2775 Fixed Condensed Aerosol Extinguishing System Units
- ULC/ORD C2775-12 Fixed Condensed Aerosol Extinguishing System Units
- NFPA-2010:2015 Standard for Fixed Aerosol Fire Extinguishing Systems

