



GreenSol A-100™ Aerosol Extinguishing System



Datasheet	GreenSol A100
Series	A-100
Version	4.4_UL
Date	21-05-2019

GreenSol A-100™

The GreenEx Fire Group's GreenSol A-100 Fire Extinguishing unit is based on environmentally friendly SFE Powdered Aerosol technology. SFE Powdered Aerosol is listed in the EPA Halon Alternative S.N.A.P. list (Powdered Aerosol A) and is designed for total flooding fire suppression applications.

The A-100 is an inert, non-pressurized unit. When initiated, automatically via standard detection and release systems, it will extinguish Class A (solid fuel), Class B (liquid fuel), Class C (gas fuel) and Class E (electrical) fires in defined enclosures.

The concentration of aerosol agent required to protect an area is a constant, the volume of the area being protected dictates the size, and/or number of GreenSol unit/s required.

A single GreenSol A-100 unit is designed to extinguish a fire in an enclosed space of up to 1 cubic metre.

The powdered aerosol agent delivered by the GreenSol system is produced within the unit by a chemical reaction, delivering dry powder in small particles (1-5 microns) suspended in an inert gas.

GreenSol can be installed inside or outside the area to be protected.

Main features

- > Quick and easy to install
- > Environmentally friendly
 - > **No** Ozone Depletion
 - > **No** Global Warming
 - > **Low Toxicity**, clean and Safe
 - > Highly Efficient – 100 gr/m³
- > **No** servicing - Fifteen-year life
- > **Certified** to International and Australia Standards
 - > For Class A-B-C-E Total Flooding Applications

GreenSol A-100™

Applications

- > Protection of critical infrastructure
- > Vehicles, domestic and industrial
- > Maritime
- > Computer racks and server rooms
- > Electrical distribution boards and cabinets
- > Control, engine & compressor rooms
- > Wind turbine generators
- > Defence
- > Telecommunications rooms

General Specifications

Extinguishing Volume	1 m ³ (100 gr/m ³)
Activation Mode	Electrical
Powdered Aerosol Colour	White / light grey
Discharge Time	14 sec
Temperature Range	-40°C to +54°C
Toxicity	None
SFE Weight	100 grams
SFE Specific Gravity	1.2 – 1.5 gr/cm ³
SFE Combustion Velocity	1.1 – 1.2 mm/sec
Fire Classes	A – B – C – E

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)	60 x 60 x 170 mm
Total Weight	1.2 kg

Environment

Ozone Depletion Potential	None
Global Warming Potential	None

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Approvals and accreditations

- > Verified by BSI Australia
- > UL-2775, EX27228
- > EN-ISO-9094:2015, European Recreational Watercraft 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

