



GreenSol A-50™ Aerosol Extinguishing System



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| Datasheet | GreenSol A50 |
| Series | A-50 |
| Version | 4.4_UL |
| Date | 21-05-2019 |

GreenSol A-50™

The GreenEx Fire Group's GreenSol A-50 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-50 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-50 unit is designed to extinguish a fire in an enclosed space of up to 0.5 cubic metres.

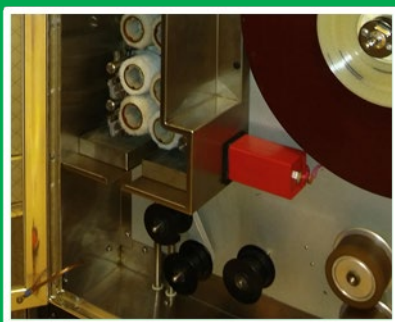
The powdered aerosol agent delivered by the GreenSol system is produced within the unit by a chemical reaction, delivering dry powder in small particles (1-5 microns) suspended in an inert gas.

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-50™



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 | 0.5 m ³ (100 gr/m ³) |
| Activation Mode | Electrical |
| Powdered Aerosol Colour | White / light grey |
| Discharge Time | 13 sec |
| Temperature Range | -40°C to +54°C |
| Toxicity | None |
| SFE Weight | 50 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) | 50 x 50 x 97 mm |
| Total Weight | 0.6 kg |

Environment

| | |
|---------------------------|------|
| Ozone Depletion Potential | None |
| Global Warming Potential | None |

GreenSol A-50™

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

Bracket dimensions

