

# GREENSOL® AEROSOL FIRE SUPPRESSION SYSTEMS MODEL A100

The GreenSol® A100 Fire Extinguisher is based on the environment friendly SFE Powdered Aerosol technology, listed on the USEPA Halon Alternatives SNAP list as Powdered Aerosol A.

The A100 model is designed to extinguish and provide extinguishment for Class A (solid fuel), B (liquid and gas fuel), and C (electrical) fires in defined enclosures.

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 GreenSol® A100 unit produces large amounts of powdered aerosol, designed to extinguish a fire in a 1.0m<sup>3</sup> closed volume.

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



## **FEATURES & BENEFITS**

- Powdered Aerosol Halon Replacement
- No Ozone Depletion (ODP)
- No Global Warming (GWP)
- Non-toxic
- Highly Efficient - 100 gr/m<sup>3</sup>
- Maintenance Free
- Small-Safe-Simple. Piping not required.
- For Class A-B-C-K(F) Total Flooding Applications
- Extremely Cost Effective

## **APPLICATION EXAMPLES**

- CNC - machines and Engine compartments
- Computer Control rooms (sub floor; above ceiling)
- Electrical cabinets and Wind Turbine Nacelles
- Generator & compressor rooms and compartments
- Flammable and combustible liquids and gas storage
- Marine applications
- Paint rooms and battery storage
- Telecommunications facilities
- Military

## **TECHNICAL SPECIFICATIONS**

- **Extinguishing Volume** : 1 m<sup>3</sup> (100 gr/m<sup>3</sup>)
- **Activation Mode** : Electrical
- **Powdered Aerosol Color** : white / light gray
- **Discharge Time** : 17 seconds
- **Temperature Range** : -40°C to 176°C
- **Toxicity** : None
- **SFE Weight** : 100 gr
- **SFE Specific Gravity** : 1.2 - 1.5 gr/cm<sup>3</sup>
- **SFE Combustion Velocity** : 1.1 -1.2 mm/sec.
- **Power Supply** : 1.2 A
- **Ignition** : Electrical match (1a-1w type)
- **Electrical Resistance** : 0.85 - 1.85 Ohm (© 0.2)
- **Dim: W** 60mm(2.36") **H**60mm (2.36") **L**170mm (6.7")
- **Total Weight** : 1.2 kg / 2.6 lbs.
- **Ozone Depletion Potential** : None
- **Global Warming Potential** : None