

# AT Series – Fire Suppression Generators

## Thermal/Manual Operation

SB-055-REV-C

Sea-Fire Aerosol (AT Series) fire suppression systems with thermal/manual operation are stand-alone units.

The thermal feature of the AT Series thermal/manual unit provides for fire detection and automatic activation. The heat responsive element installed on the unit is preset to activate the unit when the ambient temperature reaches a fixed activation temperature of 158, 203, or 254°F.

The system activates manually by a cable pull that is installed outside of the protected space, either at the entry, or another place easily accessible in case of fire.

Single Generator Systems are available to protect volumes from 19.3ft<sup>3</sup> (0.55m<sup>3</sup>) to 642ft<sup>3</sup> (18.18m<sup>3</sup>). If multiple units are installed, a single cable pull activates up to 2 linked units for a maximum coverage of 1,284 ft<sup>3</sup> (36.34m<sup>3</sup>). Multiple units are limited to manual only activation (Contact factory for details).

Upon activation, the unit produces an effective, ultra-fine, potassium based aerosol. The total flooding quickly suppresses and extinguishes the fire. The suppressant agent remains suspended for several minutes providing reflash protection.

AT Series units are suitable for a broad range of special hazard applications for use in smaller enclosures, including Lithium battery fire protection.

Sea-Fire aerosol units are cost effective to install and maintain and have a shelf life of 15 years – as they do not require pressure vessels, piping, or extensive installation associated with other fire suppression systems.

Space and weight requirements are minimal, and in many applications, the small size of the AT Series aerosol unit provides for a compact and effective solution.



### Notes

- Please note that the weights and length dimensions that are listed below for the AT Series generators are based on the length of the generators with the thermal/manual heads installed on the generators.
- Weights listed are median values with range of +/- 10% for 2-3in diameter models and +/- 5% for 5-8in diameter models.
- Lengths listed includes the entire length of the generator including the 3/4in threaded coupling.
- Discharge times listed are approximate.

### Operation/Storage Parameters

Temperature 0°C to +54°C (32°F to 130°F)

Relative Humidity up to 95% at +54°C (+130°F)

### Approvals



Model	Aerosol Mass (g)	Maximum Volume ft <sup>3</sup> (m <sup>3</sup> )	Weight (lb / kg)	Total Length (in / mm)	Diameter (in / mm)	Discharge Time (sec)
AT-193	30	19.3 (0.55)	0.7 (0.30)	4.3 (109)	2.0 (51)	7
AT-385	60	38.5 (1.09)	0.9 (0.42)	5.6 (143)	2.0 (51)	8
AT-642	100	64.2 (1.88)	1.9 (0.86)	6.0 (152)	3.0 (76)	8
AT-1605	250	160.5 (4.55)	5.9 (2.68)	6.6 (168)	5.0 (127)	9
AT-3210	500	321 (9.09)	7.8 (3.52)	8.6 (218)	5.0 (127)	9
AT-6420	1000	642 (18.18)	15.7 (7.10)	8.0 (203)	8.0 (203)	8