

# AT Series - Fire Suppression Generators

## Thermal/Manual Operation

SB-055-REV-A

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

The thermal feature of the AT thermal/manual unit provide 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. When this occurs, the affected unit discharges, filling the space with condensed aerosol, quickly suppressing the fire.

The system activates manually by a cable pull that is installed under a protective cover at the entry to the space. If multiple units are installed, a cable pull activates up to 4 linked units for a maximum coverage of 72.72 m<sup>3</sup> (2,568 ft<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 units are suitable for a broad range of special hazard applications for use in smaller enclosures, including battery fire protection.

Systems are available to protect volumes from (0.55 m<sup>3</sup>) 19.4 ft<sup>3</sup> up to (18.18 m<sup>3</sup>) 642 ft<sup>3</sup>

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

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



### Notes

- Please note that the weights and length dimensions that are listed above for the AT 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"/3" diameter models and +/- 5% for 5"/8" diameter models
- Lengths listed includes the entire length of the generator including the 3/4" threaded coupling
- Discharge times listed are approximate

### Operation/Storage Parameters

Temperature -40° C to +54° C (-40° F to 130° F)

Relative Humidity up to 98% at +35° C (+95° F)

Model	Aerosol Mass (g)	Maximum Volume ft <sup>3</sup> (m <sup>3</sup> )	Weight (kg / lb)	Total Length (mm / in)	Diameter (mm / in)	Discharge Time (sec)
AT-194	30	19.4 (0.55)	0.7 (0.33)	4.3 (109)	2.0 (51)	8.0
AT-385	60	38.5 (1.09)	0.9 (0.42)	5.6 (143)	2.0 (51)	8.5
AT-593	100	59.3 (1.68)	1.9 (0.86)	6.0 (152)	3.0 (76)	11.5
AT-1490	250	149 (4.22)	5.6 (2.51)	6.5 (166)	5.0 (127)	12.0
AT-3210	500	321 (9.09)	7.5 (3.40)	8.5 (216)	5.0 (127)	21.0
AT-6420	1000	642 (18.18)	17.97 (8.15)	8.0 (203.2)	8.0 (203)	16.0

### Approvals

