

AT Series – Fire Suppression Generators

Thermal/Manual Operation

SB-055-REV-B

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 provides 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 can also be activated manually by a cable pull that is installed outside of the space. Systems are available to protect volumes from (0.55 m³) 19.3 ft³ up to (18.18 m³) 642 ft³. See the table below.

Multiple units can be linked together to protect larger spaces. This is only permitted for manual only systems. Please contact Sea-Fire for guidance if intending to link multiple units.

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.

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 length dimensions that are listed for the AT generators are based on the length of the generators with the thermal/manual heads installed.
- Weights listed are median values with range of +/- 10% for 2”/3” diameter models and +/- 5% for 5”/8” diameter models
- 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 ³ (m ³)	Weight (lb / kg)	Total Length (in / mm)	Diameter (in / mm)	Discharge Time (sec)
AT-193	30	19.3 (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)	9.0
AT-642	100	64.2 (1.88)	1.9(0.86)	6.0 (152)	3.0 (76)	11.5
AT-1605	250	60.5 (4.55)	5.6 (2.51)	6.5 (168)	5.0 (127)	12.0
AT-3210	500	321(9.09)	7.5 (3.40)	8.5 (218)	5.0 (127)	23.0
AT-6420	1000	642 (18.18)	12.37(5.61)	8.0 (203)	8.0 (203)	23.0