



AUSTRALIA WIDE FIRE SUPPLIES

ABN 80 393 915 621

PO Box 25
Cardiff NSW 2285
Unit 5/54 Pendlebury Rd
Cardiff NSW 2285
Phone. (+61) 02 4954 0333
Fax. (+61) 02 4956 6195
Email. sales@awfs.com.au
Website. www.awfs.com.au

Stat-X Fixed System

Thermal Units

Stat-X Fixed System Thermal Units are stand alone units incorporating their own patented detection mechanism, eliminating the need for separate detection and releasing controls. Suitable for a broad range of applications in smaller enclosures, they are available in sizes ranging from 30 grams (covering up to 0.5 m3) up to 500 grams (covering up to 8 m3).



Features:

- Significantly more effective than alternative extinguishing agents
- Zero ozone depletion, zero atmospheric life, and insignificant global warming potential
- Ease of installation — no pressure vessels, piping, or expensive installation manpower
- Very low maintenance
- Provides reliable, cost effective protection for a wide range of fire hazards
- No power required — activates thermally or manually
- Favourably reviewed by EPA for SNAP listing
- Approved by CSIRO, ECB, MCA, ABS and many more
- Safe for valuable equipment — will not harm electronic equipment or magnetic media
- Post fire cleanup is minimal — aerosol suspends in air for quick and easy venting after discharge
- Compact — up to a 90% reduction in space and weight requirements
- Available in the following sizes (see [specifications](#) for more details):
 - 30 T (30 g aerosol mass)
 - 60 T and 60 MT (60 g aerosol mass)
 - 100 T and 100 MT (100 g aerosol mass)
 - 250 T and 250 MT (250 g aerosol mass)
 - 500 T (500 g aerosol mass)

Applications:

Due to their fast response time, low fire extinguishing concentration, and environmental safety, Stat-X fire suppression systems may be used in critical applications across a wide range of industries. Aerosol generators are suitable for use in:

- Electronic cabinets
- Switchgear enclosures
- Data processing equipment
- Printing equipment
- Flammable liquid storage
- Hazmat storage
- Marine engine rooms and machinery spaces
- Small boats
- High value mobile equipment

Operation/Description:

In the event of a fire, Stat-X generators can be activated either manually or automatically via the integrated thermal detector.

Upon activation, the generators produce an exceptionally effective, ultra-fine, potassium based aerosol. Unlike gaseous systems, Stat-X aerosol generators are very cost effective to install and maintain — as they do not require the pressure vessels, piping or expensive installation costs associated with other extinguishing systems.

Space and weight requirements are minimal and, in many applications, the small size of the Stat-X aerosol generators makes them the only viable option. On an agent weight basis, Stat-X aerosol is ten times more effective than gaseous agent alternatives.

Fire suppression is rapidly achieved through interference between the ultra-fine aerosol particulate and the flame's free radicals — terminating propagation of the fire.

Stat-X aerosol generators are virtually maintenance free and have a shelf life of over 10 years. This, coupled to their very low installation cost, makes them an extremely cost effective fire protection solution.

Specifications:

Agent Container. The generator housing shall be constructed of exterior and interior stainless steel shells separated by an insulating material. Top and bottom of housing shall be stainless steel and (for electrically activated units) incorporate a 3/4" NPT fitting to enable direct connection to conduit. Housing shall be sealed with a non-permeable membrane and shall incorporate a mechanical means to insure rupture of the membrane upon activation. Housing shall be non-pressurized prior to system activation.

Finish. Brushed Stainless Steel.

Aerosol Agent. Aerosol generated shall be potassium based and manufacturer shall provide fifteen (15) minute time weighted average data from an independent United States laboratory demonstrating that the aerosol does not produce (at normal design concentrations harmful levels of CO, CO₂, and NO_x based on NIOSH standards. Shall have no ozone depletion potential and no global warming potential. Agent shall be approved for commercial sale by the US EPA.

Thermal Actuator. Unit shall be activated by means of a thermal actuation device rated 70°C, 95°C, or 123°C. Actuator shall be anodized aluminium or stainless steel and shall be capable of both thermal and/or manual activation.

Operation/Storage Parameters:

- Temperature -0° C to +54° C (+32° F to +130° F)
- Relative Humidity up to 98% at +35° C (+95° F)

Transportation Classification:

- Classification Code: 4.1
- UN Identification #: UN 3178
- Packaging Group: PGIII
- Shipping Limitations:
 - Ground: None
 - Max. weight per unit packaging — Cargo Air 100 kgs (220 lbs)
 - Max. weight per unit packaging — Passenger Air 25 kgs (55 lbs)

General Specifications:

Model	30 T	60 T(long)	100 T	250 T	250 MT	500 T	1000 MT
Aerosol Mass: grams	30	60	100	250	250	500	1000
Weight: kg (lbs)	.3 (.66)	.49 (1.1)	.827 (1.82)	2.48 (5.47)	1.28 (2.83)	3.43 (7.56)	5.54 (12.20)
Length (with actuator): mm (inches)	109 (4.30)	155 (6.10)	152 (6.00)	168 (6.60)	202 (7.95)	218 (8.60)	333 (13.10)
Diameter: mm (inches)	51 (2.00)	51 (2.00)	76 (3.00)	127 (5.00)	76 (3.00)	127 (5.00)	127 (5.00)
Discharge Time:(sec)	8.0	8.5	11.5	12.0	18.0	21.0	25.0

Activation Temperature Options	70°C (158°F)	95°C (203°F)	123°C (254°F)
--------------------------------	-----------------	-----------------	------------------

