

Thermal/Manual Units

Features

- Significantly more effective than alternative extinguishing agents
- Environmentally friendly - Zero Ozone Depletion Potential (ODP) and no Global Warming Potential (GWP)
- Easy to install – requires no pressure vessels, piping, or associated expensive installation labour
- Very low maintenance
- Reliable, cost effective protection for a wide range of fire hazards
- No power required – activates thermally or manually
- CSIRO ActivFire listed
- 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 compared to gaseous systems

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:

- Flammable liquid stores
- Hazmat stores
- Marine vessels (engine rooms, machinery spaces)
- Electrical cabinets
- Mobile plant and equipment
- CNC machines
- Postal and Security Boxes
- Engine Compartments
- General industrial hazards



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.

General Specifications:

Model	30 T	60 T	100 T	250 T	500 T
Part Number	129997	129998	129999	130000	130001
Aerosol Mass (grams)	30	60	100	250	500
Ship Wt./unit Packaging (kg)	0.26	0.35	1.44	2.72	3.63
Length (with actuator) (mm)	109	142	152	168	218
Diameter (mm)	51	51	76	127	127
Discharge Time(sec)	8.0	10.5	11.5	12.0	21.0

Minimum Application Densities:

Class of Fire	Stat-X minimum applications density grams/m ³
Class A, surface fires	97.0
Class B	62.0
Class E	based upon involvement of Class A or B fuels

Coverage Parameters (Class B fuels):

Model	Maximum Volume Coverage (m ³)	Max. Area Coverage (m ²)	Maximum Installation Height (m)
30 T	0.48	0.50	1.1
60 T	0.97	0.61	1.8
100 T	1.61	0.92	1.8
250 T	4.03	2.13	2.0
500 T	8.06	3.72	2.5

Activation Temperature Options	Manual	70°C	95°C	123°C
Part Number (ordered separately)	130006 (horizontal) 130007 (vertical)	130002	130003	130004

Mounting Brackets

Generator Size	30 & 60	100	250 & 500
Bracket Part number (ordered separately)	129993	129994	129995

Operation / Storage Parameters:

- Storage temperature -40° C to +54° C
- Thermal Actuator ambient temperature limits 0 to 20°C below activation temperature
- Relative Humidity up to 98% at +35° C

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
 - Max. weight per unit packaging - Passenger Air 25 kgs