incite fire

Stat-X® PATENTED Electrically Operated 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 - no pressure vessels, piping, or associated expensive installation labour
- Very low maintenance
- Provides reliable, cost effective protection for a wide range of fire hazards
- Tested and Listed to UL Standard 2127
- CSIRO ActivFire listed
- Suitable for enclosed facilities and local applications
- Safe for personnel - non-harmful to personnel at design application rates
- 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 currently protecting and are suitable for use in:

- Telecommunications facilities
- Flammable liquid stores
- Process control rooms
- Turbine and generator enclosures
- PABX rooms
- Marine engine rooms and machinery spaces
- High value mobile equipment
- Power plants
- Data processing facilities
- CNC machines
- Electrical cabinets

Operation / Description

Upon detection of a fire, Stat-X generators can be activated either manually or automatically from a suitable electrical releasing device. 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. On an agent weight basis, Stat-X aerosol is ten times more effective than gaseous agent alternatives. The Stat-X generator's effectiveness is a function of its patented design, aerosol composition, and ultra-fine particle size. 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 service life of over 10 years. The low installation cost also makes them an extremely cost effective fire protection solution.

General Specifications:

Parameter	30 E	60 E	100 E	250 E	500 E	1000 E	1500 E	2500 E
Part Number	129984	129985	129986	129987	129988	129989	129990	129991
Aerosol Mass (grams)	30	60	100	250	500	1000	1500	2500
Ship Wt./unit Packaging (kg)	0.36	0.48	1.44	2.72	3.63	7.05	8.60	11.33
Length (mm)	74	107	1.21	150	180	170	203	267
Diameter (mm)	51	51	76	127	127	203	203	203
Discharge Time (sec)	8.0	11	12.0	12.0	23.0	16.0	23.0	36.0
Initiation Current (Amp) Series	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Pulse Duration (millisecond)	50	50	50	50	50	50	50	50
Max. Supervisory Current (Amp)	≤ .005	≤ .005	≤ .005	≤ .005	≤ .005	≤ .005	≤ .005	≤ .005

Minimum Application Densities:

Class of Fire	Stat-X minimum applications density grams/m3
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	Maximum Area Coverage	Maximum Installation Height
	(m^3)	(m x m)	(m)
30 E	0.48	1.20 x 1.20	1.8
60 E	0.97	1.70 x 1.70	2.0
100 E	1.61	2.18 x 2.18	2.50
250 E	4.03	3.45 x 3.45	4.50
500 E	8.06	4.88 x 4.88	4.50
1000 E	16.1	4.88 x 4.88	5.00
1500 E	24.2	4.88 x 4.88	5.00
2500 E	40.3	4.88 x 4.88	5.00

Mounting Brackets

Generator Size	30 & 60	100	250 & 500	1000 & 2500
Bracket Part number (ordered separately)	129993	129994	129995	129996

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