



FIRE SUPPRESSION UNIT STAT-X® EX AEROSOL GENERATORS



**STAT-X® EX
ELECTRIC AEROSOL GENERATORS**

DESCRIPTION

Due to their fast response time, compact size, low fire extinguishing concentration, and environmental safety, Stat-X® fire suppression systems may be used in critical applications across a wide range of industries — especially in areas where weight and space savings are important.

Stat-X EX electric operated aerosol fire suppression units are certified for enclosed environments classified as a hazardous area. These units are certified by UL and are authorized to bear both the UL listing mark and the ATEX mark. Note that this certification does not include the Stat-X family of thermal (manual) operated units, nor the Stat-X First Responder® portable devices.

The Stat-X EX product line is suited for all current Stat-X applications with the exception of explosive dust concentrate areas. Suitable for enclosed hazardous areas in industries such as Oil & Gas, Power Generation, Flammable Liquid and Hazardous Material Storage, Battery Storage, Laboratories, Transportation, and Manufacturing.

Upon detection of a fire, the Stat-X EX generators will be automatically activated from a suitable listed releasing device. All auxiliary system components (release panel, detection, remote pull stations, etc.) used should also be listed/approved to the applicable local standards. Once activated, the generators produce an exceptionally effective, ultra-fine, potassium based aerosol. Unlike gaseous systems, Stat-X EX aerosol generators are cost effective to install and maintain — as they do not require the pressure vessels, piping, or expensive installation costs associated with other extinguishing systems.

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

Available in eight different sizes ranging from 0.03 kg to 2.50 kg aerosol mass, the generators are fitted with a M25x1.5mm male stainless steel or brass 90° elbow threaded connection.

FEATURES

- UL ATEX & IECEX Certified
- Listed for Class A, B, C fires by UL, ULC, CSIRO, ECB, etc
- EPA Snap Listed for unoccupied and normally occupied spaces
- 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
- Low maintenance
- Provides reliable, cost effective protection for a wide range of fire hazards
- Suitable for enclosed facilities and local applications
- Post fire cleanup — aerosol suspends in air for clean-up and venting after discharge
- Compact — up to a 90% reduction in space and weight requirements





FIRE SUPPRESSION UNIT STAT-X EX AEROSOL GENERATOR

SPECIFICATIONS

| | |
|-------------------------------------|--|
| Listing | Aerosol generators are listed by Underwriter's Laboratories of Canada to UL Standard 2127 or equivalent. |
| System | Extinguishing system is accomplished by means of distributed generating devices to ensure distribution of extinguishing aerosol throughout the protected volume. Devices are capable of being supervised |
| Mounting | Generator devices shall be mounted by means of stainless steel bracketing that allows for directional adjustment through both vertical and horizontal plane. |
| 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 | 30E | 60E | 60E | 100E | 250E | 500E | 1000E | 1500E | 2500E |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Aerosol Mass: Grams | 30 | 60 | 60 | 100 | 250 | 500 | 1,000 | 1,500 | 2,500 |
| Weight: Kilograms | .371 | .486 | .561 | .910 | 2.54 | 3.42 | 7.16 | 8.57 | 11.33 |
| Pounds | (.818) | (1.08) | (1.24) | (2.0) | (5.61) | (7.54) | (15.8) | (18.9) | (25.0) |
| Length: Millimetres | 109 | 130 | 155 | 121 | 150 | 180 | 170 | 203 | 267 |
| Inches | (4.29) | (5.12) | (6.10) | (4.76) | (5.90) | (7.09) | (6.70) | (7.99) | (10.51) |
| Diameter: Millimetres | 51 | 51 | 51 | 76 | 127 | 127 | 203 | 203 | 203 |
| Inches | (2.0) | (2.0) | (2.0) | (3.0) | (5.0) | (5.0) | (8.0) | (8.0) | (8.0) |
| Discharge Time: Seconds | 7.0 | 10.0 | 10.0 | 12.0 | 12.0 | 23.0 | 16.0 | 23.0 | 36.0 |
| Initiation Current: Amp | | | | | | | | | |
| Parallel | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Series | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Pulse Duration: Milliseconds | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Max. Supervisory Current: Amp | ≤ .005 | ≤ .005 | ≤ .005 | ≤ .005 | ≤ .005 | ≤ .005 | ≤ .005 | ≤ .005 | ≤ .005 |

ORDERING INFORMATION

| Product Code | Product Description | Product Code | Product Description |
|----------------|--|---------------|--|
| SX-S30E-EXSS | Stat-X EX, 30E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S30E-EXB | Stat-X EX, 30E, ATEX/IECEX Zone 2 brass 90° elbow |
| SX-S60E-EXSS | Stat-X EX, 60E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S60E-EXB | Stat-X EX, 60E, ATEX/IECEX Zone 2 brass 90° elbow |
| SX-S100E-EXSS | Stat-X EX, 100E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S100E-EXB | Stat-X EX, 100E, ATEX/IECEX Zone 2 brass 90° elbow |
| SX-S250E-EXSS | Stat-X EX, 250E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S250E-EXB | Stat-X EX, 250E, ATEX/IECEX Zone 2 brass 90° elbow |
| SX-S500E-EXSS | Stat-X EX, 500E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S500E-EXB | Stat-X EX, 500E, ATEX/IECEX Zone 2 brass 90° elbow |
| SX-S1000E-EXSS | Stat-X EX, 1000E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S1000E-EXB | Stat-X EX, 1000E, ATEX/IECEX Zone 2 brass 90° elbow |
| SX-S1500E-EXSS | Stat-X EX, 1500E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S1500E-EXB | Stat-X EX, 1500E, ATEX/IECEX Zone 2 brass 90° elbow |
| SX-S2500E-EXSS | Stat-X EX, 2500E, ATEX/IECEX Zone 2 316SS 90° elbow | SX-S2500E-EXB | Stat-X EX, 2500E, ATEX/IECEX Zone 2 brass 90° elbow |

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HEAD OFFICE — JOHANNESBURG
Cussonia Park, 3 Ridge Road, Laser Park, Johannesburg T +27 (0)11 794 9144 E info@technoswitch.co.za
CAPE TOWN T +27 (0)21 948 4575 ■ DURBAN T +27 (0)31 266 8843

www.technoswitch.co.za

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