

Aero-X® Stat-X® Type E/C-HD Aerosol Extinguisher

heavy duty, electrically operated aerosol generators to
protect ordinary & harsh environments



Introduction

Using an environmentally friendly technology, the Stat-X® aerosol fire extinguishers stand for many years of successful research, development and numerous of applications in the fire extinguishing system market. The Stat-X® products have been tested in world leading institutes and internationally acknowledged test labs. Stat-X® complies with the EN 15276, the UL 2775, the NFPA 2010, the ISO 15779 and numerous of other international standards.

The Aero-X® Type E/C HD electrically activated extinguishing units have been specially been developed for applications in rough environments. The electrical Aero-X® Type E/C HD extinguishers are assembled and tested at the Aero-X facility in Switzerland. They are well suited for applications under tough conditions. A heavy-duty IP 65 cable connector enables an easy, strong and fault-free connection to the corresponding supply cables. At the bottom of the devices the discharge ports are sealed by a robust protective cover protecting the discharge membrane against mechanical impact*.

The Aero-X® E/C HD type aerosol generators can be connected to any fire alarm and extinguishing control panel. An electrical activator provides the energy to start the process transforming the solid aerosol forming compound into quickly expanding aerosol. The aerosol passes a cooling section, leaves the extinguishing unit through the discharge ports and distributes equally and rapidly within the protected area extinguishing the fire within seconds.

** not applicable if units are used with external & penetrator brackets*



Picture: Overview Aero-X® Stat-X® Type E/C HD aerosol generators



Technical features

Connector	4 + 1 pole, IP65
Activation mechanism	Electrical (12 VDC, 0.5 A)
Activation	Heating element, 1,4 - 2.0Ω
Max. test current	max. 5 mA
Fire class	A, B, C

Key features

- extremely rugged design for applications under tough conditions
- robust, IP67 rated connector enabling fast, easy, fault-free installation or replacement
- More effective and efficient than other conventional extinguishing agents
- Easy to install, system is compatible with any alarm/activation system
- Require a negligible level of maintenance
- Non pressurized devices made of stainless steel
- Ozone and environmentally friendly system
- Non-corrosive extinguishing agent **
- Available in different sizes protecting various volumes

** if designed, installed, operated and maintained in accordance with the applicable manuals

Accessories

Aero-X connection cables

- P/N 10000034 - 5m
- P/N 10000113 - 15m
- P/N 10000035 - 10m
- P/N 10000036 - 20m

Technical specification

Model	P/N	Aerosol Mass (g)	Weight (g)	Total Length (mm)	Diameter (mm)	Discharge Time (sec)
30E/C HD	10000038	30	0.45	144	51	7.0
60E/C HD	10000040	60	0.57	187	51	10.0
60ME/C HD	10000042	60	0.71	211	51	10.0
100E/C HD	10000044	100	1.07	194	76	12.0
250E/C HD	10000046	250	2.37	212	127	12.0
250ME/C HD	10000048	250	1.54	258	76	18.0
500E/C HD	10000050	500	3.07	263	127	23.0
1000ME/C HD	10000053	1000	5.77	378	127	25.0
1000E/C HD	10000156	1000	7.28	250	203	16.0
1500 E/C HD	10000157	1500	8.78	288	203	23.0
2500 E/C HD	10000158	2500	11.48	351	203	36.0

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Extinguishing principle

The activation of Stat-X® aerosol generators lead to the discharge of an extinguishing aerosol. This aerosol combats and extinguishes the fire by stopping the chemical combustion-reaction at molecular level (by binding free radicals) without reducing the oxygen concentration within the protected area.

The aerosol comprises micro-sized potassium carbonate particles suspended in inert gas. Due to the extremely high mass/surface ratio the quantity of extinguishing agent can be minimized. The micro-sized particles remain in suspension for a very long time. This allows them to enter the natural combustion convection flow while enhancing the efficiency of the extinguishing agent. The fire is extinguished within seconds after activation of the Stat-X® aerosol generators.

Application markets

- Electrical equipment
- Rolling stock
- Rail infrastructure
- Marine & Offshore
- Tunnelling & Mining
- Renewable Energy
- Energy Storage
- Power Generation
- Transportation
- Industry