Stat-X Type T Aerosol Extinguisher

Manually operated aerosol generators to protect ordinary locations

Picture: Overview Stat-X® Type T aerosol generators

Introduction

Using an environmentally friendly technology, the Stat-X® aerosol fire extinguishers stand for many years of successful research and development 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 T type aerosol extinguishers can be supplied with manual only-, thermal only- and thermal/manual-activation. The thermal only- and thermal/manual version of the T type aerosol generator can be obtained with 3 different release temperatures of 70°, 95° or 123°C. The manual only- and thermal/manual version can be activated by means of a cable pull.

All versions of the Aero-X T-type aerosol extinguishers work autonomous without the need for external fire alarm and extinguishing control panels. A mechanical activator provides the energy, needed to start the process transforming the solid aerosol forming compound into quickly expanding aerosol. The aerosol passes a cooling section and leaves the extinguishing unit through the discharge ports, which guarantee the equal distribution of the extinguishing aerosol. The aerosol distributes equally and rapidly within the protected area and extinguishes the fire within seconds.

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Key features

- More effective and efficient than other conventional extinguishing agents
- Completely autonominous, no need for external power supply
- Thermal, thermal & manual as well as manual only activation
- Thermal actuation at 70°C, 95°C or 123°C
- Rugged design for application under ordinary and hash environmental conditions
- Neither electrical cabling nor piping needed
- Require a negligible level of maintenance
- For application in ordinary and harsh environments
- Ozone and environmentally friendly system
- Non-corrosive extinguishing material**
- Available in different sizes, volumes and types

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

Accesories (e.g. thermal/manual head)

- P/N 20000019 - 70°C
- P/N 20000020 - 95°C
- P/N 20000021- 123°C

Technical specification

Model	P/N	Aerosol Mass (g)	Weight (g)	Total Length (mm)	Diameter (mm)	Discharge Time (sec)
30T	20000011	30	0.33	100	51	8.0
60T	20000012	60	0.45	155	51	8.5
60MT	20000013	60	0.49	168	51	10.0
100T	20000015	60	0.86	152	76	11.5
250T	20000015	100	2.51	168	127	12.0
250MT	20000016	250	1.31	202	76	18.0
500T	20000017	250	3.40	218	127	21.0
1000MT	20000018	500	5.61	333	127	25.0

Technical features

Activation mechanism	Thermal, thermal/manual, manual
Activation mechanism	Mechanical
Actuation temperature levels	70°C, 95°C or 123°C
Actuation head material	Aluminum (or optionally Brass)
Fire class	A, B, C

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
- Tranportation
- Industry

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