



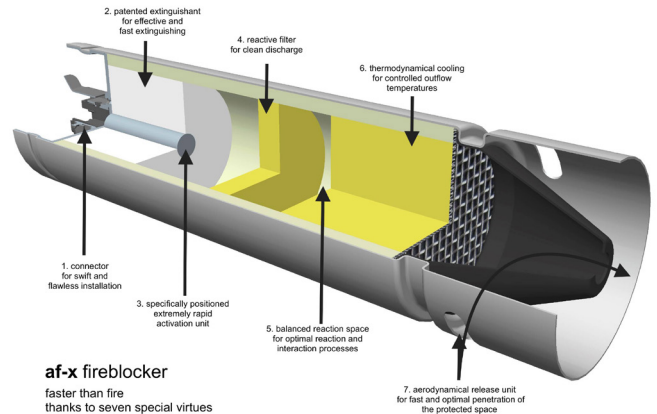
Aerosol - Used by Fogmaker

What is an aerosol and how does it work?

A fire-extinguishing aerosol is a highly efficient, space-saving suppression agent that consists of micro-sized solid particles (usually potassium-based) suspended in a gas.

The aerosol acts on fires through chemically interrupting the combustion chain reaction at a molecular level - without depleting oxygen - making it ideal for enclosed spaces like electrical panels and E-rooms.

This type of system requires a sealed protection area without ventilation, open windows, or hatches.



Where does Fogmaker use aerosol systems?

Aerosol will be one of the products that replace our Novec system, which has been discontinued due to environmental regulations and concerns. The aerosol is a complementary solution to the Eco 1 water-mist systems in areas where the use of water mist isn't recommended, for instance E-rooms and larger electrical panels, often found within the Material handling and Mining.

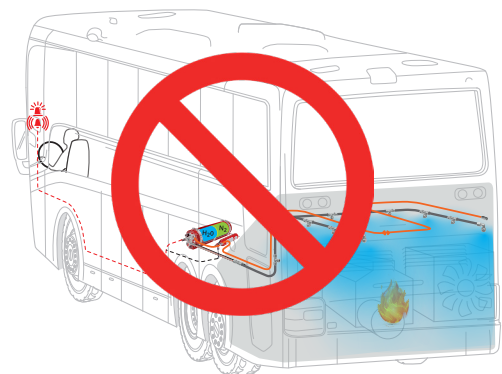
When it comes to battery rooms and battery storage, either aerosol or water mist can be an option, depending on compartment design.

Aerosol doesn't affect all sides of the fire triangle like the regular Fogmaker system, and it will not be used for protecting areas where water mist is possible, for instance in engine compartments, gensets, and other non-sealed mechanical applications. The water-mist systems provide both a cooling effect and protection against re-ignition.

Fogmaker uses the following aerosol generators:

Depending on space, it will be a cylinder or a box: C=Cylinder, B=Box, S=Small, M=Medium, L=Large

Coverage 1 m³: n-CS
Coverage 5 m³: n-CM
Coverage 10m³: n-BS
Coverage 30 m³: n-BM
Coverage 50 m³: n-BL



Not for engine compartments or other places where the regular Fogmaker system can be used!

Function

The detection system consists of a combined smoke and heat detector to ensure the Aerosol generator is only activated when there is a thermal incident.

Advantages of an aerosol:

- No clean-up required
- Controlled outflow temperatures (generates heat, but not an open flame)
- Non-corrosive
- Not dangerous to humans
- 15-year lifespan
- Environmentally friendly without PFAS

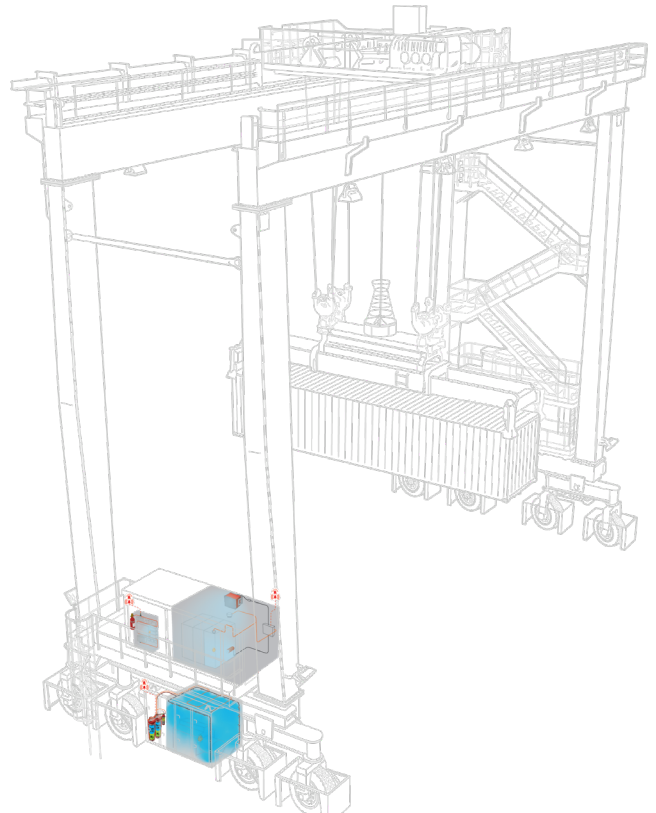
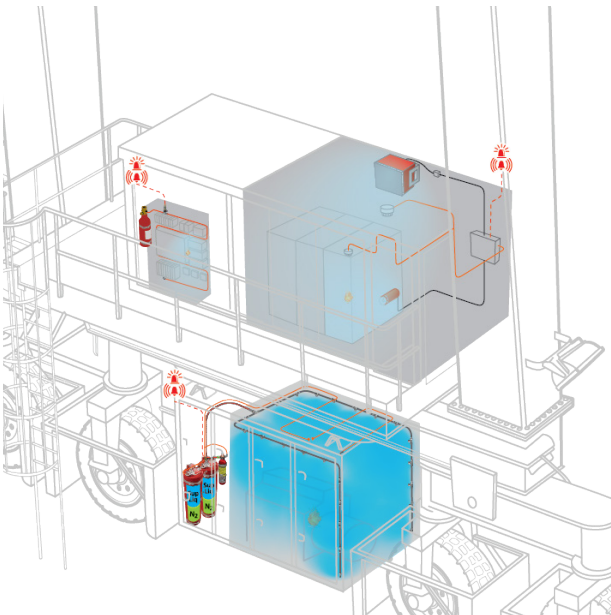
Disadvantages of an aerosol:

- Sensitive to airflow and open spaces
- Requires distance to surrounding components (it creates heat when deploying)
- Doesn't cool hot components

It is important to apply the aerosol only in defined protection areas, and make use of the full capacity where it is most efficient.



System Configuration



Application	Fogmaker FSS	Fogmaker Mini FSS	Aerosol	CO2	Comment
Diesel Engine	X				
Electric Cabinet			X	X	
Wire Harness	X				
EV Components	X		X		Water mist is more suitable when IP>66
Smaller Control Unit				X	
Diesel Heater	X	X			
Electric Heater			X	X	Water mist is more suitable when IP>66
E-Room			X		

Note: For Aerosol and CO2, protected areas must be sealed