



Mini FSS

What is a Mini FSS and how does it work?

The Mini Fire Suppression System (Mini FSS) has an excellent suppressing effect in small enclosed areas. It is an economic alternative to the standard Fogmaker FSS when used for small compartments below 0.8 m³.

Note that the mini fire suppression system needs to be tested for each application if used on buses included in R107. This is normally an uncomplicated process and Fogmaker can help and guide you through it.

The system used by Fogmaker

The system can be installed in smaller compartments up to a volume of 0.8 cubic meters. There cannot be any airflows in close connection to the system due to deteriorating suppression performance. The area must also be reachable for installation and service.

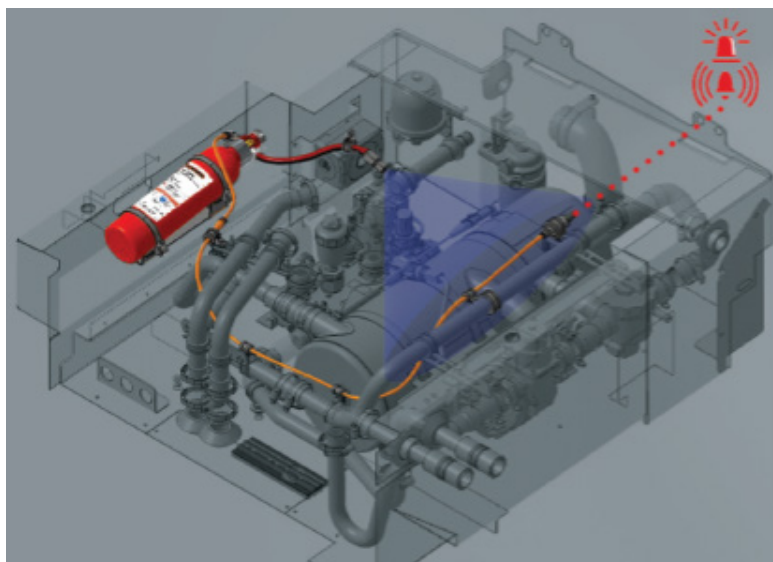
The Mini FSS cylinder can be installed in either inside or outside the protected area. Valid temperature range for the system is from -30°C to + 90°C.



Where does Fogmaker use the Mini FSS systems?

The Mini FSS can be used for:

- Auxiliary heaters
- Bus compartments or other small areas on a bus, train, truck, etc
- Vending machines
- Other smaller enclosed spaces



Function

The mini FSS is largely position independent (above 5° from the horizontal line) which makes the product versatile.

- Emptying time: approximately 50 seconds
- Recommended length for pipe system: 0-4 meters
- Detector tube length: 1-8 meters
- One 1.2 liter/minute nozzle is installed on the distribution system

Advantages of the Mini FSS:

- Not dangerous to humans or animals
- 10-year lifespan
- Environmentally friendly (no PFAS)

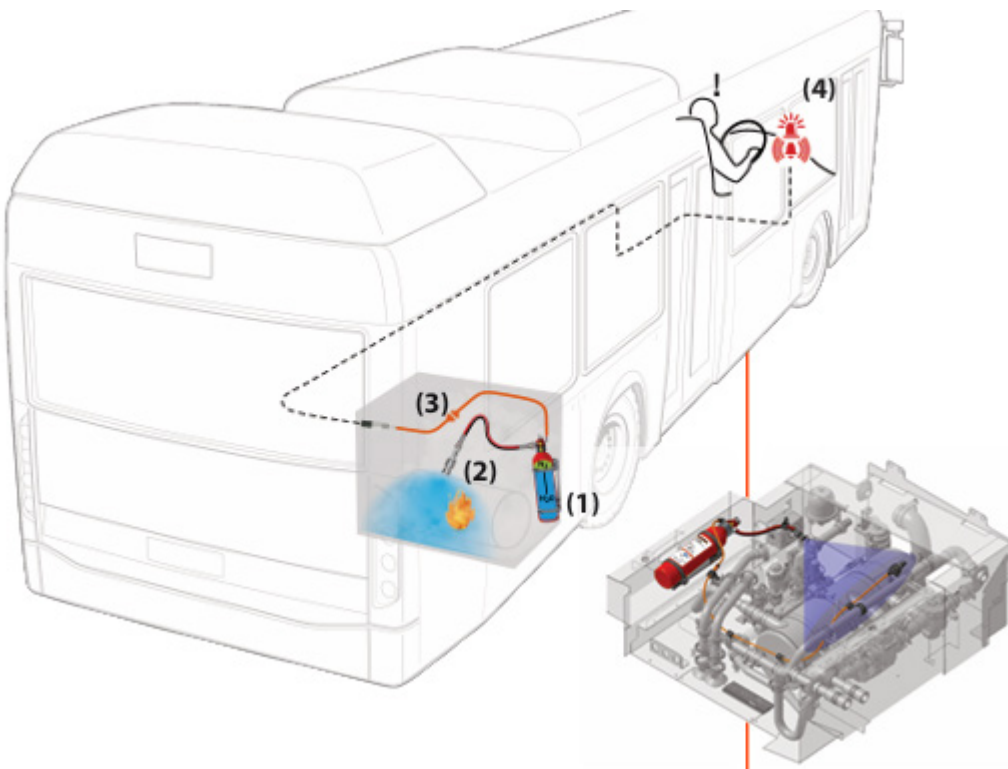
Disadvantages of the Mini FSS:

- Sensitive to airflow and open protection areas
- Needs testing for each model type when installed on buses

When pressurized, the cylinders must be transported as dangerous goods according to UN1044.



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