

FOGMAKER

South Africa

OUR GLOBAL AND AFRICAN FOOTPRINT

FOGMAKER South Africa is the sole distributor for Southern Africa, with its head office in Johannesburg, South Africa. FOGMAKER South Africa has representative offices in Durban, Cape Town and Steelpoort, as well as in Zambia and Botswana, and has distributor partners based in Ghana, Nigeria and Togo.

At the heart of FOGMAKER South Africa are an amazing team who are passionate about our product and the customers we service. What truly differentiates us from our competition is our approach to risk mitigation, our tailored system design, our speedy installation and excellent after-sales service. Our mobile technical consulting team are available to visit you on-site to conduct fire risk assessments, installations and servicing.

FOGMAKER Southern Africa

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Johannesburg
Steelpoort
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Durban
Cape Town
Zambia
Botswana



FOGMAKER

South Africa

Automatic fire suppression system protecting Buses and Coaches



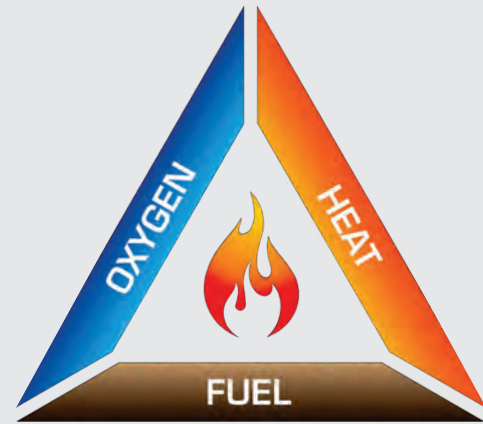
TRIPLE ACTION³

With high-pressure water mist.



PURE PERFORMANCE WITH TRIPLE ACTION³

THE FIRE TRIANGLE



FOGMAKER's fire suppression system effectively attacks all three sides of the fire triangle. We call this unique performance **Triple Action³**.

OXYGEN

Micro droplets of water-based extinguishant are generated by patented nozzles under high pressure. These droplets flood the area being protected and evaporate immediately on contact with heat. During the evaporation process, 1 litre of water will expand into 1700 litres of water vapour, which displaces air and stops the oxygen supply to the fire.

HEAT

During the vaporization process the water mist cools the hot gases and hot surfaces in the engine compartment. It takes 1 calorie to heat up 1 gram of water by 1°C, but 540 times more energy to evaporate the same amount of water. The cooling achieved by this vaporization reduces the risk of re-ignition.

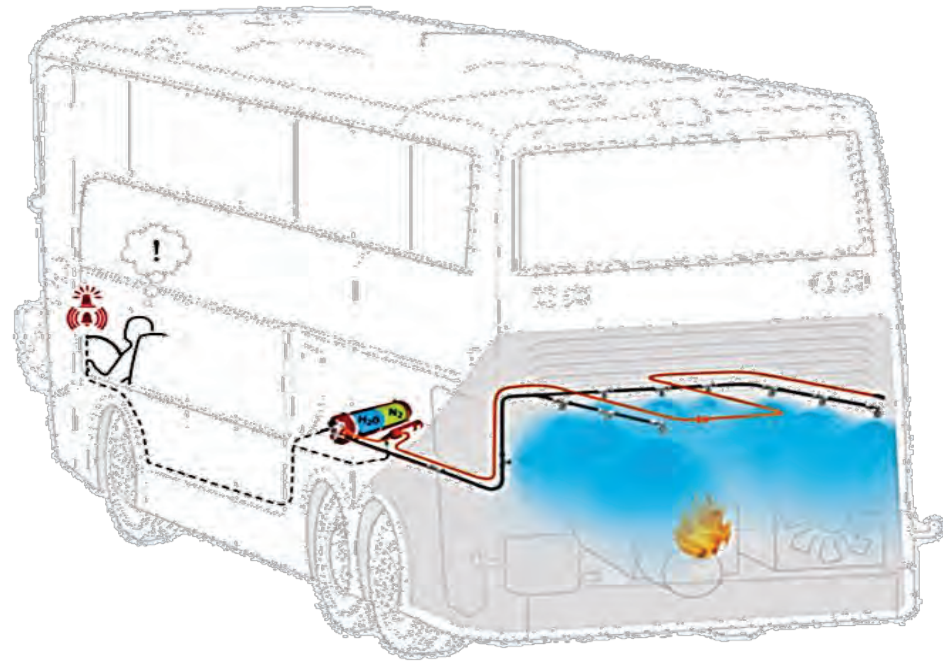
FUEL

FOGMAKER's suppressant also includes, in low concentrations, an Aqueous Film Forming Foam (AFFF), which forms a protective barrier on the surface of any flammable material or fuel, thus preventing the fuel from being available for combustion.

THE CHALLENGE

It is well known that the increased demands on reduced emission levels have led to higher fuel pressures and increasing temperatures in engine compartments. Combined with time-critical service demands for bus operators, the risk of a fire starting in an engine compartment has increased dramatically.

A fire in an engine compartment may occur unseen and often results in a very rapid course of drastic events. It is almost impossible to suppress with a portable extinguisher. FOGMAKER is automatically and manually activated, although the second is an option which can be deactivated. The manual control panel makes it possible to shut down the engine, main power switch and fuel solenoid. The versatility of the system is complemented by its high efficiency and reliability.

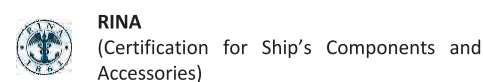
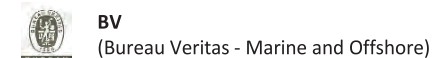
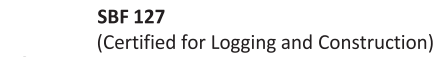
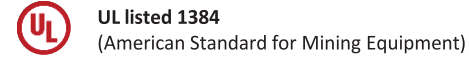
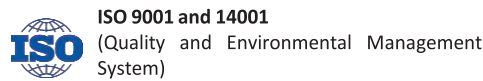
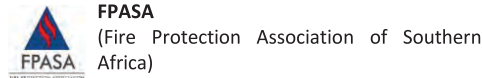


The first fire suppression system to receive R107 Approval.

As of January 2019, all new coaches and double-decker buses throughout the European Union must have a permanently installed fire suppression system fitted in the engine compartment. These regulations will apply to long distance as well as city buses as of 2021.

A PROVEN FIRE SUPPRESSION SOLUTION

FOGMAKER is the holder of several global and local certificates and approvals.



ASSET PROTECTION

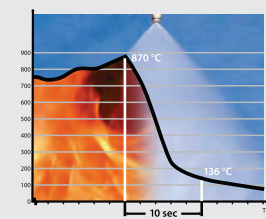
Mitigating the risk of an engine fire with FOGMAKER's automatic fire suppression system is the best way to protect your fleet of valuable assets from the threat of fire.

FOGMAKER is fast becoming the fire protection solution of choice, and is trusted by many owners of heavy vehicles and mobile industrial machinery to safeguard their machines, save operator lives and protect the environment in which they are working.

The FOGMAKER fire suppression system is developed and manufactured in Sweden. FOGMAKER has a successful global track record in Europe, Australia, North and South America, Middle East and Africa – with over 200,000 units installed worldwide since 1995.



Fire suppression test in a simulated engine compartment with a volume of 2.5 m³. The fire source consists of Four 20cm x 40cm trays filled with diesel. A spray fire is then simulated by applying diesel at a rate of 2 litres per minute at a pressure of 5 bar, which engulfs the engine. The combined heat output of the fire is approximately 1600 kW



"From 870 °C to 136 °C in 10 seconds!"



In this simulation the fire is allowed to burn for more than 20 seconds. The burnt gas temperature increases to 870 °C at which point the FOGMAKER system is activated manually. In 10 seconds the temperature of the burnt gases decreases to approximately 136 °C. In addition to the rapid extinguishing the risk of re-ignition is minimized. This means reduced repairs and downtime.

WHY FOGMAKER ?

- ✓ **Extremely effective**
- Triple Action³ fire suppression system attacks all 3 sides of a fire triangle.
- ✓ **Automatic fire suppression system**
- using loss of pressure (LOP) technology. No electric power required.
- ✓ **Simplicity**
- Minimal obstruction, low weight and orientation independent.
- ✓ **Easily installed**
- within one working day by our FOGMAKER Field Engineers.
- ✓ **Low life-cycle cost**
- Periodic inspections and major service every 2 years (MHSA) or 3 years (PER).
- ✓ **System monitoring**
- including low pressure and fire alarm.
- ✓ **Automatic engine shutdown**
- optional
- ✓ **Easy clean-up and quick recharge** once system has been triggered.

