

## FOGMAKER – MOBILE FIRE SUPPRESSION SYSTEMS WITH HIGH-PRESSURE WATER MIST

A sudden fire in a vehicle's engine compartment, a machine or a stationary plant calls for a rapid but prudent response.

The **FOGMAKER system** detects and extinguishes fire in seconds, before major damage can even occur.

The high pressure water mist from the **FOGMAKER system** puts out the fire directly and rapidly cools the fire site.

- Mobile fire suppression systems
- ORC – Energy-efficient solutions based on waste heat
- Exhaust gas technology
- Particulate filters
- Thermal management
- SCR-DeNOx systems
- Silencers
- Spark arrestors

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**FOGMAKER** is a range of fixed, fully automatic fire suppression systems with high-pressure water mist to cover a wide range of rapid-response fire-fighting requirements.

Our certified specialists can professionally install the fire protection system for customers based in Germany in just a few hours.

Protect People, the Environment and Machinery.

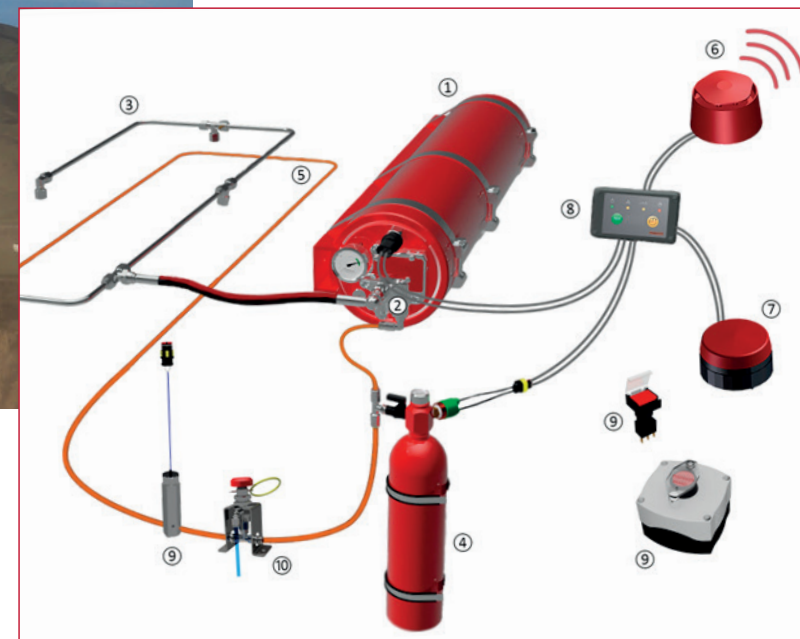
Our technicians will be happy to provide detailed advice.

The **FOGMAKER** fire suppression system with high-pressure water mist is a self-contained system.

The occurrence of a fire in a vehicle's engine compartment or a machine calls for a rapid but prudent response. The **FOGMAKER** fire suppression system detects and extinguishes fire in seconds, before major damage can even occur.

1. Extinguishing agent tank
2. Release valve
3. High-pressure extinguishing agent distribution system (infeed – stainless steel distributor – high-pressure extinguishing nozzles)
4. Detection agent pressure tank
5. Detection hose made of special polymer with stainless steel spiral guard.

The **extinguishing agent tank (1)** is filled with extinguishing fluid and nitrogen and has a pressure of 100–105 bar. The **detection agent pressure tank (4)** is filled with a liquid and nitrogen and has a pressure of 24 bar. In the event of a fire, the **detection hose (5)** bursts and the pressure in the detection system drops.



The **release valve (2)** on the extinguishing agent tank opens. The extinguishing agent is pressed through the **nozzles of the distribution system (3)**. During expansion, the water mist grows to 1700 times the original volume of the water and displaces the oxygen that the fire needs in order to spread. One litre of extinguishing agent extracts approx. 540.000 calories from the immediate environment during evaporation and cools the engine compartment by more than 700° C in just 10 seconds. The fire suppression system has both an **acoustic (6)** and an **optical alarm (7)**. In addition, the **alarm display (8)** indicates the system status for the driver. The fire suppression system can be activated **electrically (9)** or **mechanically (10)**.

#### How it works – Effective fire suppression

The **FOGMAKER** fire protection system uses the cleanest type of extinguishing agent: WATER. The high pressure combined with the minimal amount of foam additive used in the extinguishing agent (AFFF) combats all three factors that help fire to spread: HEAT, OXYGEN, FUEL.

