

The EV Cool-Mist System is a specialised cooling device designed to support firefighting operations involving electric and hybrid vehicles, particularly in incidents with lithium-ion battery thermal runaway.

By delivering controlled water mist directly beneath the vehicle, the system effectively reduces battery temperature, stabilises conditions, and supports suppression efforts while minimising water usage. Engineered for simplicity and operational efficiency, the system enables rapid deployment in high-risk scenarios, helping firefighters manage prolonged cooling phases and reduce the likelihood of re-ignition. Its multi-nozzle configuration ensures even distribution of mist across the battery area for consistent thermal control.

KEY FEATURES

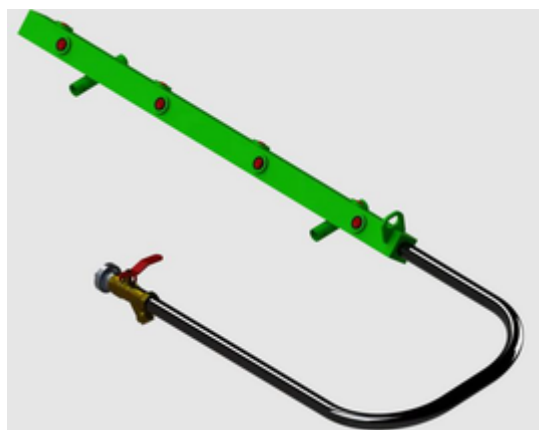
- Targeted thermal control of Li-ion batteries through direct mist application
- Enhanced operational safety by enabling indirect cooling from a protected distance
- Uniform 8-nozzle distribution system ensuring consistent cooling coverage
- Effective support for both suppression and post-fire cooling phases
- Reduced risk of re-ignition through sustained temperature stabilisation
- Optimised water consumption via high-efficiency mist technology
- Rapid deployment under vehicles without the need for lifting or complex setup
- Integrated valve for precise flow control during dynamic operations

PRODUCT-MARKET INSIGHT

With the rapid growth of electric mobility, fire services face increasing challenges related to lithium-ion battery incidents. The EV Cool-Mist System provides a practical and efficient solution for extended cooling operations, enabling safer intervention and improved control over thermal runaway scenarios.

PRIMARY APPLICATIONS

Electric vehicle fires • Hybrid vehicle fires • Lithium-ion battery cooling • Thermal runaway control • Post-fire cooling and stabilisation



EV Cool-Mist System

TECHNICAL DATA

Specification	Value
Product Type	EV battery cooling system
Output	60–80 l/min
Working Pressure	7–20 bar
Number of Nozzles	8
Connector	Storz 25
Valve	Integrated shut-off valve
Water Application	Water mist

