

SKUNK Fire Lance System

The SKUNK Fire Lance System is a modular extinguishing solution designed for controlled, high-efficiency fire suppression in complex and high-risk environments. Engineered for modern firefighting challenges, it enables operators to attack fire from a safe distance while maintaining precision and operational control.

The system integrates multiple specialised extinguishing heads, including solutions for structural fires, vehicle fires, electric vehicle battery cooling, and enclosed space suppression. Its modular extension design allows the lance to reach extended distances of up to approximately five metres, supporting intervention without direct exposure to heat, flames, or hazardous emissions. Particularly suited for electric vehicle incidents, the SKUNK system enables effective battery cooling while minimising firefighter exposure to toxic gases and thermal runaway risks. The design prioritises operational safety, adaptability, and ease of deployment in dynamic fireground conditions.

KEY FEATURES

- Modular lance system with interchangeable specialised extinguishing heads
- Offensive exterior firefighting capability (through doors, windows, or openings)
- Variable droplet technology for combined gas and surface cooling
- High flow rate up to approx. 660 L/min (arm nozzle)
- Extension system enabling reach up to ~5 metres
- Dedicated solutions for EV battery cooling and hazardous environments
- Enables safe-distance operation, reducing exposure to heat and toxic smoke

PRODUCT-MARKET INSIGHT

The transition towards electric mobility and increasingly complex fire environments is redefining firefighting tactics. The SKUNK Fire Lance System addresses this shift by enabling safe, exterior-based suppression with high thermal efficiency and minimal exposure risk. Its modularity and multi-scenario capability position it as a strategic tool for fire services adapting to next-generation fire threats.

PRIMARY APPLICATIONS

Offensive exterior firefighting • Structural fires • Vehicle fires • Electric vehicle battery incidents
Deep-seated fires (wood chips, peat, biomass) • Industrial fire scenarios • Forest and wildland support operations



TECHNICAL DATA

Specification	Value
Product Type	Modular fire lance / arm nozzle system
Flow Rate	Up to approx. 660 L/min (depending on head)
Extinguishing Technology	Variable droplet spray (gas + surface cooling)
Maximum Reach	~5 m (with extension arms)
System Components	Operating arm with valve • Interchangeable heads • Extension arms
Extinguishing Heads	Structural / vehicle • EV battery cooling • Pile / deep-seated fire nozzle
Application Method	Exterior attack • Injection • Penetration • Cooling
Temperature Reduction Performance	~650°C → ~70°C (test conditions)
Installation Method	Through openings / under vehicle / direct placement
Country of Origin	Finland

