

## 6- or 9-liter battery fire extinguisher



### 6-liter and 9-liter fluorine-free fire extinguishers for lithium battery fires

The **6-liter and 9-liter lithium battery fire extinguishers** are specifically designed to combat fires involving lithium-ion batteries while remaining effective on **Class A and B** fires. They address the new risks associated with the growth of electric vehicles, energy storage systems, electronic equipment, and rechargeable batteries.

Thanks to their **fluorine-free water spray extinguishing agent with additives**, these extinguishers offer a high-performance, environmentally friendly solution tailored to the needs of professionals seeking to minimize the risks associated with lithium battery thermal runaway.

### Why use a fire extinguisher specifically designed for lithium batteries?

Lithium-ion batteries pose a specific risk known as **thermal runaway**. When a cell is damaged or overheats, it can trigger a chain reaction that is difficult to control with a traditional fire extinguisher.

Fire extinguishers designed for lithium battery fires are formulated to rapidly cool the cells, limit the spread of the fire, and reduce the risk of the fire reigniting. They are now an essential first-response solution in environments where lithium batteries are used or stored.

### A more environmentally friendly, fluorine-free technology

Both models use a **fluorine-free foaming additive (FFF—Free Fluorine Foam)** that is free of PFAS fluorinated compounds such as PFHxA, PFOA, and PFOS. This next-generation formulation produces a stable foam that

isolates the fuel, limits reignition, and promotes cooling of the fire source.

This technology offers a truly eco-friendly alternative to traditional fluorinated foams while maintaining excellent fire-extinguishing performance.

## Two capacities available depending on the risk level

MMF offers two versions to meet different protection needs:

- **6-liter fire extinguisher:** recommended for offices, workshops, technical rooms, computer rooms, charging stations, and small lithium battery storage areas.
- **9-liter fire extinguisher:** recommended for maintenance workshops, industrial sites, logistics hubs, warehouses, electric vehicle maintenance centers, and areas with a higher risk.

## Technical Specifications

| Specifications                      | 6-liter model   | 9-liter model   |
|-------------------------------------|---|---|
| Extinguishing agent                 | Water + fluorine-free additive with specific additive for lithium batteries | Water + fluorine-free additive with a specific additive for lithium batteries |
| Rated capacity                      | 6 liters  | 9 liters  |
| CO <sub>2</sub> cartridge           | 60 g  | 80 g  |
| Operating weight                    | 9.7 kg  | 13.9 kg   |
| Extinguishing capacity              | 27A - 144B - 25F  | 34A - 183B  |
| Operating time on lithium batteries | Up to 135 Wh  | Greater than the 6-liter model  |
| Operating temperature               | +5°C to +60°C   | +5°C to +60°C   |
| Certification                       | NF EN 3-7   | NF EN 3-7   |
| MED Marine Approval                 | Yes   | Yes   |

## A rugged design tailored for professionals

The extinguisher body is made of steel with an anti-corrosion coating of oven-cured epoxy-polyester resin. The lightweight alloy head features a cathoretic anti-corrosion treatment, while the nickel-plated brass striker ensures excellent long-term reliability.

The specialized nozzle promotes the formation of a stable foam that isolates the fire source, prevents reignition, and improves cooling of burning battery packs.

## Professional Applications

- Electric vehicle maintenance shops
- Auto repair shops
- Industries using lithium-ion batteries
- Battery storage facilities
- Logistics centers
- Computer rooms and data centers
- Charging stations
- Municipalities and public facilities
- Industrial sites equipped with battery energy storage systems (BESS)

## **MMF: Your specialist in fire protection against risks associated with lithium batteries**

Advances in electrical technology require new fire suppression solutions. MMF supports professionals with a range of **fire extinguishers specifically designed for lithium battery fires**, compliant with current standards and tailored to the risks encountered in the industrial, electric mobility, energy storage, and technical infrastructure sectors.