



FIRE & SECURITY

MARLOWE Critical Services

# Specialist high performance extinguishers designed to stop lithium-ion battery fires fast

Lithium-ion batteries present a more frequent fire hazard each day as the number of consumer and industrial goods powered by these batteries increases. They are used in power tools, computers, personal devices, scooters and bikes, cars, forklift trucks and other factory equipment and much more.

The dangers they pose are prominent as a lithium-ion battery fire may result from physical damage that causes a short circuit, overheating, internal cell failure, short circuits, or manufacturing defects.

**Conventional fire extinguishers cannot effectively extinguish a lithium-ion battery fire. Only a specialist extinguisher such as the Firechief Lith-Ex extinguisher is suitable on this type of fire.**

## How do Firechief Lith-Ex extinguishers work?

Firechief Lith-Ex extinguishers contain Aqueous Vermiculite Dispersion (AVD), a revolutionary fire extinguishing agent. The water content of the extinguisher cools the fire source, while the Vermiculite platelets encapsulate the fuel source creating a thermal barrier to prevent propagation of the fire. The Vermiculite film is not electrically conductive. AVD is nearly twice as effective as water on a Class A fire and is environmentally friendly.

## Applications

Firechief Lith-Ex extinguishers are suited to confined spaces where fires need to be suppressed in their infancy before developing into a fully established fire.

They can also be used to protect against fires where batteries are under charge and where batteries are stored, for example, goods distribution, battery collection bins, battery recycling locations, public services, and battery charging stations.



Waste & recycling



Energy Storage



Transport – Aviation, Automotive



Logistics



Marine



Domestic



Industrial



Motorsport



Shipping

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## Features

- ✓ Hot work compliant
- ✓ Easy to store
- ✓ Non-toxic
- ✓ Environmentally friendly
- ✓ 5 year guarantee
- ✓ Available in 5 sizes up to 9 litre; 0.5, 1 , 2, 6, 9 litre (0.5 is the most popular as a home fire extinguisher)
- ✓ Kitemark approved (Models FLE2, FLE6, FLE9)
- ✓ Can extinguish lithium-ion battery fires, uncontrollable by other extinguisher types
- ✓ Quickly cools and prevents excessive heat, forming a thermal barrier to stop fire propagation



## Specifications

Model	FLE1	FLE2	FLE6	FLE9
Product Code	100-1576	100-1577	100-1578	100-1579
Description	Firechief 1L Lith-Ex Extinguisher	Firechief 2L Lith-Ex Extinguisher	Firechief 6L Lith-Ex Extinguisher	Firechief 9L Lith-Ex Extinguisher
Battery Capability Suitability (Wh)*	60-100	100-250	250-500	500-750
Capacity (ltr)	1	2	6	9
Fire Rating	3A	5A	13A	13A
MED Approval	N/A	YES	YES	YES
Throw Range (m)	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0
Discharge Time (secs)	25	50	120	180
Working Pressure (bar)	15	15	15	15
Temperature Range (°C)	+5/+60	+5/+60	+5/+60	+5/+60
Product Height (mm)	350	410	530	672
Product Diameter (mm)	85	110	170	170
Filled Weight (kg)**	2.1	3.9	10.7	15.0
Carton Height (mm)	360	420	525	670
Carton Length (mm)	102	125	197	199
Carton Width (mm)	104	128	267	226
Packaged Weight (kg)***	2.5	4.0	12.0	16.0
Product EAN	5055377960544	5055377960551	5055377960568	5055377960575

\* Guide only.

\*\* Extinguisher, contents and plastic base only (where applicable) - not including hose, bracket or packaging.

\*\*\* Includes all packaging, hose / horn and bracket.

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