

LIIONTEK

LITHIUM FOAM
FIRE EXTINGUISHERS

PFAS-FREE PROTECTION FOR LITHIUM-ION BATTERY FIRES



Liiontek Lithium Foam Fire Extinguishers have been specifically engineered for the safe and effective suppression of lithium-ion battery fires.

Powered by advanced Hydrogel BM048 technology, these extinguishers rapidly cool the battery while simultaneously creating an oxygen-blocking barrier. This unique combination helps prevent thermal runaway from spreading and significantly reduces the risk of re-ignition.

The 6L and 9L models have successfully passed the demanding **NTA 8133 certification**, demonstrating proven performance on lithium-ion battery fires.

Designed for professional environments where lithium batteries are charged, stored or transported, Liiontek extinguishers provide reliable protection **without the use of PFAS chemicals**.

TECHNICAL SPECIFICATIONS

Liiontek Extinguishers		2 liter	6 liter	9 liter	25 liter (trolley)	50 liter (trolley)
Fire Classes	Class A (solids)	5	13	21	Yes	Yes
	Class F (fats)	5	25	25	-	-
	Lithium-Ion Batteries	200 Wh	600 Wh (NTA 8133)	600 Wh (NTA 8133)	2500 Wh	5000 Wh
Agent		Hydrogel BM048	Hydrogel BM048	Hydrogel BM048	Hydrogel BM048	Hydrogel BM048
Propellant agent		Nitrogen	Nitrogen	Nitrogen	Nitrogen	Nitrogen
Pressure at 20°C		14-15 bar	14-15 bar	14-15 bar	14-15 bar	14-15 bar
Extinguishing time		20-25 sec	35-40 sec	65-75 sec	160-180 sec	320-350 sec
Trowrange		2-3 meter	3-4 meter	3-4 meter	5-6 meter	5-6 meter
ECO info	Natural components content		99%			
	Carbon content		<0,7%			
	ECO-toxicity		Safe for humans, animals and plants			
	PFAS-content		Zero (<1 ppb)			
	Dangerous gasses formed during extinguishing by agent		None			
Temperature range	Degree Celcius	+5/+60				
Miscellaneous		Suitable for usage on electric equipment upto 1000 Volts at a distance of 1 meter				
CE-marking		Pressure Equipment Directive (PED) Marine Equipment Directive (MED)				

0,75 LITER

2 LITER

6 LITER

9 LITER

25 LITER
(trolley)

50 LITER
(trolley)



WHY HYDROGEL?

Hydrogel BM048 is an innovative extinguishing agent based on advanced temperature-reactive technology.

Unlike conventional foam or water extinguishers, Hydrogel becomes increasingly viscous as temperatures rise, allowing the extinguishing agent to remain exactly where it is needed.

Its unique composition delivers two critical suppression mechanisms simultaneously:

Rapid Cooling
The water contained within the Hydrogel efficiently absorbs heat and cools the battery cells, reducing the risk of thermal runaway.

Oxygen Barrier
Natural clay particles form an extremely effective oxygen barrier that isolates the fuel source and suppresses combustion.

Superior Adhesion
The Hydrogel adheres to vertical surfaces and ceilings, ensuring maximum cooling performance even in challenging environments.

Environmentally Responsible



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SMART FIRE SAFETY

Jan Duikerweg 9D
1703DH Heerhugowaard
The Netherlands

E info@liiontek.com
T +31 72 792 03 46
W liiontek.com

