

E Lance Nozzle

World innovation – extinguishes burning lithium ion batteries very efficiently

The number of electric cars with lithium ion batteries on the roads is rising all the time. Previously, if one of these batteries caught fire, it was exceptionally difficult and dangerous to combat that fire, and the process consumed huge amounts of water. The unique new E Lance Nozzles from NEURUPPIN, a world first, now makes the work of the fire brigades a great deal easier. The E Lance Nozzle extinguishes battery fires quickly and efficiently by directing moderate amounts of water directly at the heart of the blaze.

Fights the fire directly in the cells

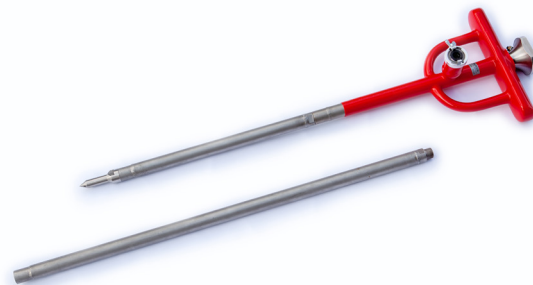
The new E Lance Nozzle is made of stainless steel and is easy to push directly into the burning lithium ion battery in just the right place. The contact surface area involved is based on a very robust design. Only a short depth of penetration is needed, which makes it much easier to use. When a D-hose is connected, water extinguishant flows through the water nozzles on the tip of the lance, directly into the battery cells, and right into the heart of the fire. Water should continue to flow until the fire has been extinguished completely. By mixing in the F-500 additive from NEURUPPIN, the process of fire-fighting with lithium-ion batteries becomes more efficient, reducing the amount of water required by up to 80% while also reducing pollutant emissions through a process of encapsulation.

Safe to use up to 1000 Volts

To protect the emergency service personnel from electrical hazards, the upper section of the E Lance Nozzle (handle, impact surface, coupling) is equipped with insulation that is rated for voltages of up to 1000 V. It is also possible to create an earth connection using the existing M8 screws with butterfly nuts on the coupling, or on the push button.

Applications

- Fire-fighting for fire categories E (burning lithium-ion batteries)
- Electric vehicle fires
- Photovoltaic storage cell fires
- Power storage units
- Recycling systems



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Key advantages

- Robust and durable - solid construction made of stainless steel
- Self-explanatory function - safe to use by striking the contact surface (e.g. with a mallet)
- Variable length – extension tubes available in lengths of 500 mm and 1000 mm
- No electrical hazards - handle area insulated up to 1000 V with an additional earthing option
- Optimum delivery of water - nozzle on the tip of the lance directs water accurately at the heart of the fire
- Easy to maintain and service - handle, extension tubes and lance tip are easy to dismantle with an open-end wrench

Technical data

E LANCE NOZZLE



Material:	Stainless steel
Length with extension tube (500 mm):	1050 mm
Weight of complete E fog nozzle with handle, extension tube (500 mm), and tip:	7915 mm
Weight of E fog nozzle without extension tube:	6890 mm
Weight of nozzle tip:	210 g
Weight of extension tube (500 mm):	820 g
Weight of extension tube (1000 mm):	1910 g
Size of coupling:	DIN 25/D
Thread (Imperial):	1
Permits:	-

The company reserves the right to make technical changes

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- ✓ beschichtet
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NEURUPPIN

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