

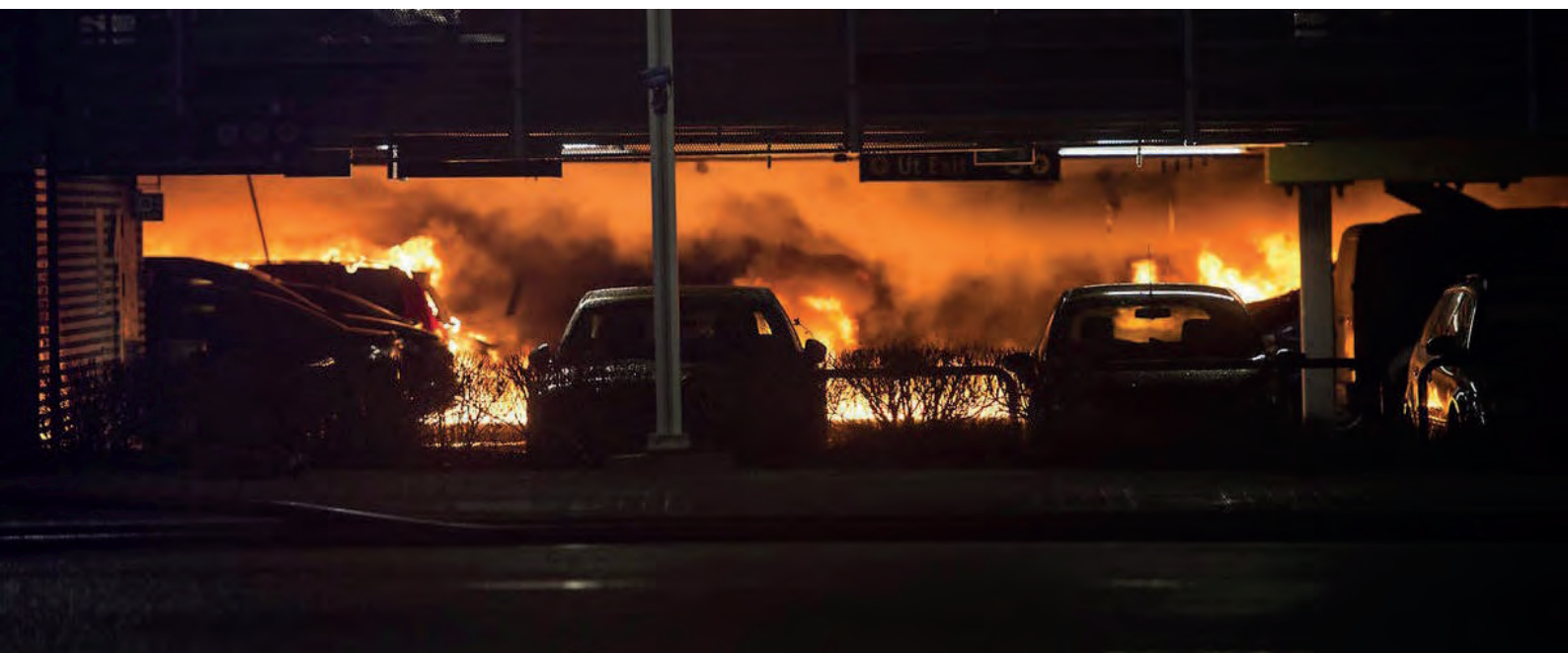
FIRE ISOLATOR



EXTINGUISHING EQUIPMENT

Electric- Cars, Scooters, Lithium-batteries etc.

Watermist and penetration solutions



WHY USE WATER MIST ?

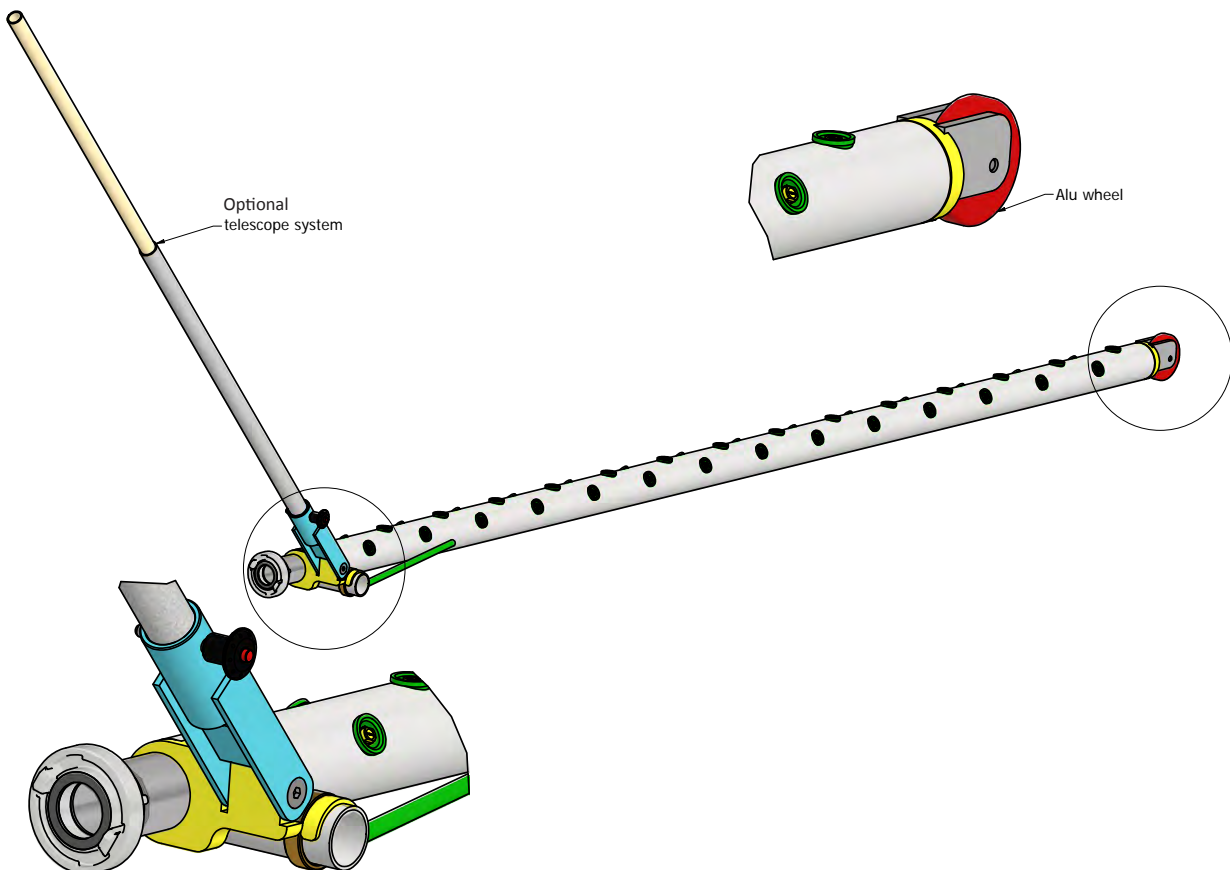
- The smoke from an Electric car on fire, is filled with extreme toxic and carcinogenic vapor and substances such as **Hydrogen fluoride, Hydrogen chloride, Hydrogen bromide og Formaldehyde.**
- From year 1980 to year 2000 there was a 100 % increase in the use of plastic materials in cars, and that combined with Lithium-batteries in Electric cars , there is 4 times as many of these hazardous materials in year 2023, compared with year 1980.
- This smoke which contains the toxic substances, is water soluble, and the more water mist you can apply and thereby also cool the car, the better working conditions for the Firefighters. They can now, from a safe distance, fight the fire with their powerful fire hoses.
- The water mist FF Fire Equipment is tested, using both cold and hot tests, in cooperation with DBI (Danish Fire & Safety Engineering Institute).
- An efficient and user-friendly system, where tests have shown that Firefighters very easily can use the equipment - even under total darkness.





Ferry Watermist Applicator FI-MWA142

Onboard ferries and car-carriers the space between rows of cars can be very narrow. The watermist-tool was specially developed for these narrow spaces. When a burning (EV) car is too hot to cover it with the Fire Isolator blanket, this ... tool can lower the temperature to create a safe situation for the firefighters beside the car when covering the car with the blanket. The swinging handle and the wheel at the top makes storage and handling easy. As an option a telescopic handle is available.





Mobile Watermist Applicator 126 FI-MWA126

Ferry Watermist Applicator - FI-MWA-126 is a revolutionary new product for fighting car fires and was specially developed to cool/limit the fire in electric cars. The systems are patented and are one-of-a-kind on the market.

Ferry Watermist Applicator - FI-MWA-126 is a handy version with weight of only 8 kg, and can be handled by all people. Ferry Watermist Applicator - FI-MWA-126 makes it easy to limit a fire that might occur in electric cars, as it can be easily placed under a car - thereby cooling the bottom of the vehicle.

It is recommended that you use min. 2 pcs., so that you can drive one in from each side or from the front/rear, depending on the space around the car.

Fire hose C-2" is connected and at 4 bar water pressure each unit produces water mist with min. 137 Liters per minute for effective cooling of the batteries, as well as Extinguishing open flames.

The handle is pivotable for easy handling and storage in everyday live.

The FI-MWA-126 can be expanded with several models, thereby increasing the cooling.





Mobile Watermist Applicator 126 FI-MWA126

Specifications:

Length:..... 800 mm
 Width:..... 500 mm
 Height:..... 100 mm
 Weight: 8 kg
 Material:..... Aluminium
 Handle:..... Pivotal (not electrically conductive)
 Connections:..... 1 pcs Storz C-2"
 Driving rings (wheels):..... 4 pcs ø60 brass
 Nozzles:..... 26 pcs full cone ø2,4

Pressure in bar	0,5	1,00	2,00	3,00	4,00	5,00	7,00	10,00
Water consumpt. liter/min.	60	79	104	122	137	150	172	198





Mobile Watermist Applicator 138 FI-MWA138

Mobile Watermist Applicator FI-MWA-138 is a further development of model FI-MWA-126, this model is longer and therefore, equipped with more spray nozzles. This means that it can cover a larger area of the fire and ensure greater cooling of the batteries in the electric car. This model is also patented and the only one of its kind on the market.

It can be used in tight spaces such as parking garages, and can be placed on emergency vehicles and thus used quickly and safely.

Like the other models, it can be expanded with several models, and used for placement under the vehicle - both in front, behind and from the sides.





Mobile Watermist Applicator 138 FI-MWA138

Specifications:

Length:.....1.780 mm
 Width:..... 570 mm
 Height:..... 100 mm
 Weight:10 kg
 Material:..... Aluminium
 Handle:..... Pivotal (not electrically conductive)
 Connections:..... 1 pcs Storz C-2"
 Driving rings (wheels):..... 4 pcs ø60 brass
 Nozzles:..... 38 pcs full cone ø2,4

Pressure in bar	0,5	1,00	2,00	3,00	4,00	5,00	7,00	10,00
Water consumpt. liter/min.	87	115	152	179	200	219	251	289





Mobile Watermist Applicator 241 FI-MWA241

Mobile Watermist Applicator 241 - FI-MWA-241 is an extended version of FI-MWA-126, which with a length of 4,5 meter, cools the entire undercarriage effectively - and limits any fire that may occur.

The system can be advantageously placed on each side of the vehicle, thus encircling it with water mist.

Fire hose C-2" can be connected, which at 4 bar water pressure produces water mist with min. 215 Litres per minute.

A swinging handle and with mounted slide-shoes, facilitates handling and make storage easy. With a weight of 30 kg, it is handy but takes up more space than FI-MWA-126.





Mobile Watermist Applicator 241 FI-MWA241

Specifications:

Length:.....4.500 mm

Width:..... 900 mm

Height:..... 100 mm

Weight:10 kg

Turning radius:..... 3.410 mm

Material:..... Aluminium

Handle:..... Pivotal (not electrically conductive)

Connections:..... 2 pcs Storz C-2"

Driving rings (wheels):.....pcs ø80 directionally fixed

Nozzles:..... 41 pcs full cone ø2,4

Pressure in bar	0,5	1,00	2,00	3,00	4,00	5,00	7,00	10,00
Water consumpt. liter/min.	94	124	164	193	215	237	271	312





Fire Isolator - EV Fire Gun FI-Firegun

After the first fire fight, the battery's heat development is checked with a thermal camera. If the temperature is abnormally high (Thermal Runaway), the EV Fire Gun can be used with great efficiency.

This newly developed tool is used to penetrate the battery box and fill it with water, thereby extinguishing the fire in the battery box. Many tests have shown that it is an effective way to ensure that the fire does not spread. It can deliver 40 liters of water per minute at 2 bar.



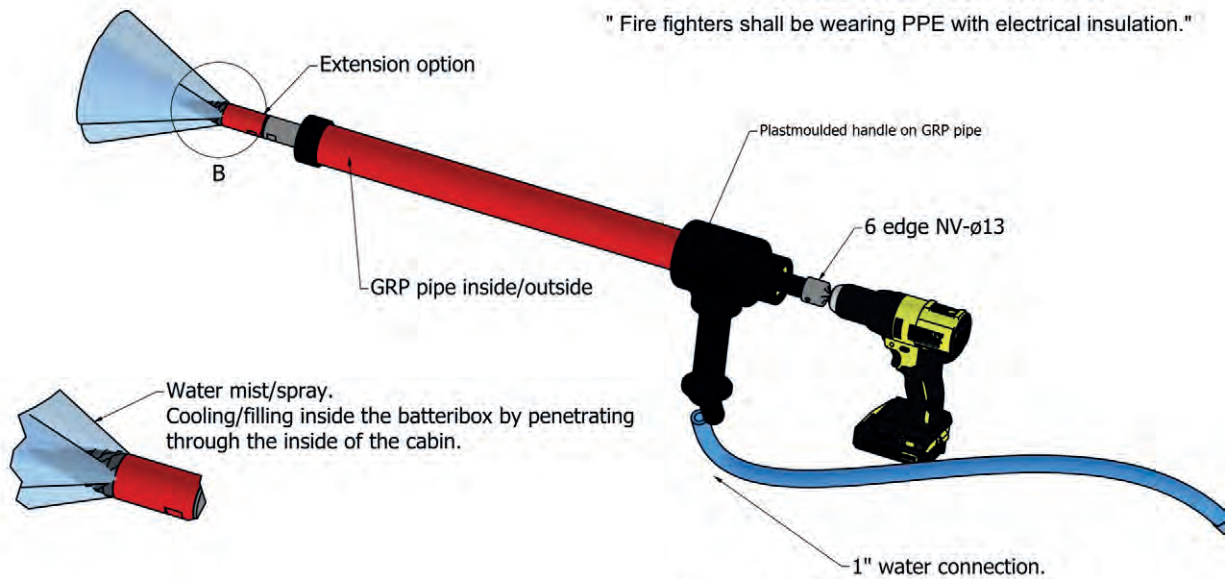
FIRE ISOLATOR



Firefighter- EV Fire Gun

Tested according to EN IEC 60900: 2018
+ EN IEC 61010-1: 2010 + A1: 2019

" Fire fighters shall be wearing PPE with electrical insulation."



Water mist/spray.
Cooling/filling inside the batteribox by penetrating through the inside of the cabin.

PA 2022 70402
PCT/DK2023/050197

Flow l/min					
Bar					
0.5	1	2	3	5	7
22 ltr	30 ltr	40 ltr	47 ltr	57 ltr	66 ltr





Patents

FI-FIRE GUN	PA 2022 70402
FI-MWA126	EF-Design: 009081870-004 / UK-Design: 6222071 NO-Design: 009081870-0004
FI-MWA138	EF-Design: 009081870-003 / UK-Design: 6222070 NO-Design: 009081870-0003
FI-MWA241	EF-Design: 009081870-001 / UK-Design: 6222068 NO-Design: 009081780-0001

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