

# LIBIK-X

Lithium Ion Battery Incident Kit

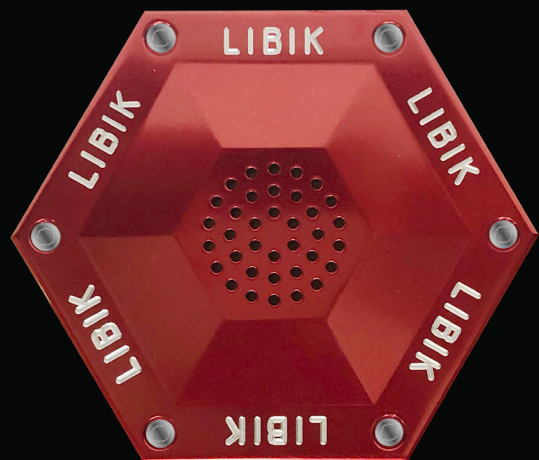


## LIBIK-X is Extreme Smoke and Fumes Containment.

In addition to rapid fire extinguishing, the LIBIK has always offered a superior level of smoke and fumes suppression while protecting the fire fighter. Now our second-generation technology offers a near perfect degree of smoke containment previously unavailable.

## The LIBIK Filter is the difference.

Device overheating? Place it in the LIBIK kit with confidence. During a thermal runaway a device is likely to vent hazardous vapors and/or explode. The ingenious filter design allows for the release of pressure without expelling harmful fumes.



## There are 2 Types of PED Emergencies

While every battery fire will be different, PED (Personal Electronic Device) emergencies can be divided into two basic categories. The LIBIK excels at handling both **while protecting the fire fighter/crew member**:

### The Device is on Fire

- Remove kit contents, including a PED-Pad fire suppression pillow from the LIBIK. Don protective equipment.
- The Fire Shield Blanket included in your kit may be used to safely approach the fire.
- Place the PED-Pad over the device to rapidly extinguish active flames and uptake fumes.
- Place the Fire Shield Blanket over the pillow to enhance the suppressive effects and to further protect the fire fighter and surroundings.
- Once the PED fire is extinguished and cooled, the device can then be safely handled and placed in the bag using the CellBlock gloves and Fire Shield Blanket.

### A Device is Overheating

- Remove kit contents, but leave the PED-Pad fire suppression pillows in the bag.
- Use the Fire Shield Blanket and CellBlock high-heat gloves to safely transfer the device to the bag.
- The interior of the bag is lined with PED-Pad fire suppression pillows containing CellBlockEX dry media. These PED-Pads will automatically release the CellBlockEX in the event of a thermal runaway.
- The CellBlockEX extinguishes the fire and uptakes smoke, gases and flammable electrolyte associated with a lithium-ion battery fire.
- The bag will safely contain any explosion or out-gassing with very minimal release of fumes or smoke.

#### LIBIK-X Bags:

- In the event of out-gassing or explosion, the bag will safely vent though the LIBIK filter with no release of fumes or smoke.

## What's in a Kit?

LIBIKs contain the tools you need to fight an inflight battery fire. Every kit includes our super protective Fire Shield Blanket and CellBlock high-heat gloves, plus our extremely effective PED-Pad fire-suppression pillows. Kit options can include personal protection equipment as well.



## LIBIK Product Comparison

Model	PED-Pad Fire Suppression Pillows	Approx. Smoke Containment	Maintenance Schedule	Fire Shield Blanket	CellBlock Gloves	Goggles	Smoke Mask
<b>LIBIK</b>	All sizes include 2 removable PED-Pads	<b>90-95%</b>	First inspection at 5 years. Annual inspection thereafter.	✓	✓	✓	✓
<b>LIBIK FD</b>	Large includes 2 removable PED-Pads; small includes 1 removable PED-Pad	<b>90-95%</b>	First inspection at 5 years. Annual inspection thereafter.	✓	✓	-	-
<b>LIBIK-X</b>	All sizes include 1 removable PED-Pad + 1 permanent PED-Pad	<b>99-100%</b>	Filter replacement every 2 years <b>or</b> vacuum sealing of kit to maintain filter integrity.	✓	✓	✓	✓
<b>LIBIK-X FD</b>	Large includes 1 removable PED-Pad + 1 permanent PED-Pad; not available in small	<b>99-100%</b>	Filter replacement every 2 years <b>or</b> vacuum sealing of kit to maintain filter integrity.	✓	✓	-	-