



## WHY CHOOSE A FIREFIGHTING BATTERY VENTILATOR?

*More and more firefighters' teams choose the battery-powered fan to equip the firefighting trucks. For its compact design and its autonomy in the field but not only!*

*So, why choose a firefighting battery ventilator? Why are they more and more used by fire stations all over the world?*

### **1. THEY HAVE A LIGHTWEIGHT AND COMPACT DESIGN!**

They are designed to be carried by a single firefighter in order to be used as close as possible to the fire source. The battery fan is thus quickly / easily installed by a single person within the volume to be ventilated.

Some models, such as the [LEADER BATFAN](#), are also equipped with a carrying harness ("back carrying" type backpack or "front" if the firefighter use a Self-Contained Breathing Apparatus) in order to distribute the load evenly and protect the backs of firefighters.

Compact, they are easily stored in the trunk of a vehicle. Two LEADER BATFANs occupy the same space as a single conventional ventilator.



### **2. THEY ARE AUTONOMOUS**

#### **a. THEY DON'T REQUIRE ANY ELECTRICAL SUPPLY**

With battery-powered ventilators, you will no longer need to search for an electrical outlet or need an electrical generator for your ventilation operations ([LEADER firefighting ventilators](#) also work on electrical networks if necessary).

Still a few years ago, autonomy and power were a problem. Those days are over with the advent of LITHIUM-ION batteries!

Today, LITHIUM-ION batteries are more powerful, have an excellent lifespan, recharge quickly and are lighter. However, LITHIUM batteries can be considered dangerous in certain environments and it is why LEADER has kept the BATFAN 45 blower/fan in its range, which is equipped with a NIMH battery. So this device with a battery without transport constraints can be transported without constraint in planes, submarines ...

### **SWAPPABLE BATTERIES TO STAY UNPLUGGED ETERNALLY!**

The working conditions are sometimes extreme and stressful: the intervention area is often totally smoky with almost zero visibility, temperatures are very high, there is a lot of noise, firefighters have to act quickly, in gloves, in sometimes very small spaces, etc ....

Some battery-powered ventilators are equipped with swappable batteries that can be replaced during the ventilation operation in just a few seconds and without any tools.

There is no need to look for a screwdriver, to look for the screws in a totally smoky environment, to remove gloves to be able to handle the screws, etc ...  
The battery of the [LEADER battery fan](#) can be changed with closed eyes!

Several batteries give the possibility of multiplying the autonomy of the firefighting fan according to the number of charged batteries in stock.



### **b. NO ELECTRICAL CABLES = FREEDOM OF MOVEMENT**

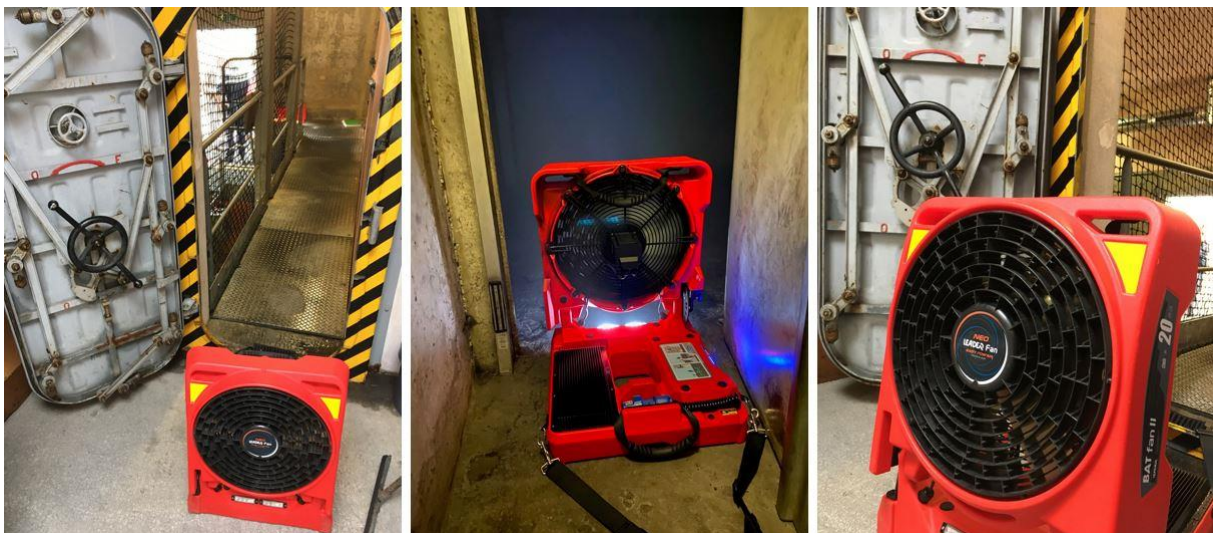
This firefighting ventilator allows more freedom of movement compared to wired electric fans. Indeed, it is no longer essential to provide a power outlet or a large extension cord to move with the ventilator. In addition, a cable lying on the ground is always a source of accidents.

Moreover, extrication equipment are more and more on battery for the same reasons.

However, it may be useful if the battery-powered ventilator is also equipped with a mains power supply in order to connect it to the electrical network for long-term operations.

### **3. NO PETROL-DRIVEN ENGINE = NO EXHAUST GAS**

Unlike thermal ventilators, battery ventilators can be used inside different volumes because they don't emit exhaust gases. They can also be used for the rehabilitation of firefighters without any risk of CO poisoning.



#### **4. THEY ARE QUIETER THAN PETROL-DRIVEN / GAS-POWERED VENTILATORS**

Battery ventilators have an electric motor that is quieter than a heat engine. The low noise level due to the electric motor facilitates operational communication during the response.

#### **5. THEY ARE MAINTENANCE FREE!**

The electric blower does not require, by definition, any oil change, does not include a timing belt, filters, spark plugs, mufflers, etc.

#### **6. THEY ARE VERSATILE!**

When paired with accessories, battery ventilators are more than just firefighting ventilators!

For example, LEADER BATFAN portable ventilator can be used:

- in Positive Pressure Ventilation alone (PPV) or combined with other firefighting ventilators,
- in blowing or in extraction thanks to ducts,
- as a generator of high expansion foam (thanks to the foam adapter) to fight against fires located:
  - in underground installations: cellars, basements, confined spaces, etc.
  - in installations accessible through the roof in order to spread the foam in halls or foyers such as a medium-growth foam generator.
- or as a fogger (thanks to the fog system adapter) in order to:
  - cool smokes and the atmosphere,
  - or to facilitate the recovery / rehabilitation of workers.



#### **7. OFTEN ERGONOMIC, THEY ARE EASY TO USE!**

Once the battery is charged/installed in the fan and the battery ventilators located in front of the opening, all you have to do is press the "On" button and the firefighting fan is ready to work. No need to prime the fuel pump or pull a long length of electrical cable to find a power outlet.

## **CONCLUSION:**

Today, firefighters are increasingly choosing lightweight, simple and practical firefighting tools. As you will understand, choosing a firefighting battery ventilator means choosing a fan:

- compact and lightweight,
- mobile,
- autonomous,
- nonpolluting,
- quiet,
- with very low maintenance,
- versatile,
- quick to install and easy to use!

[LEADER, firefighting equipment manufacturer](#) since 1985, offers a wide range of [PPV battery fans](#). LEADER firefighting battery fans are entirely designed and manufactured in France (in Normandy) with the greatest care and with a high level of quality and performance.

They are all CE compliant and their flow rates are all AMCA 240 certified by official independent laboratories: AMCA - USA - Chicago, LOMC (Laboratoire Ondes et Milieux Complexes) FRANCE.

## **ABOUT LEADER**

*A major company for several decades, LEADER designs, manufactures and promotes high performing equipment used in firefighting and search and rescue applications.*

*LEADER offers innovative products such as PPV fans for firefighting, Search equipment for tech rescue operations, flame simulators for training, etc.*

For more information:

- about the LEADER BATFAN battery fan : [visit the product page](#) or [watch the video](#)
- about the LEADER battery fan range, visit our website [www.leader-group.company](http://www.leader-group.company)
- And stay connected with our social media :
  - [LEADER Facebook page](#),
  - [LEADER Youtube chanel](#)
  - [LEADER Linkedin account](#)