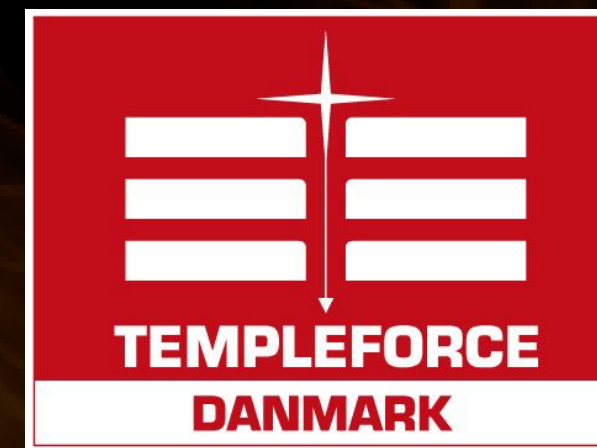




EXO₂



Fast and effective response against fire in any environment

New Exo2 portable fire extinguisher system



MARK CE 0163



The Exo2 program **was born in response to a need of the security forces** that resolve a possible event of vandalism fires in crowd control and anti-riot operations, being able to react to one of these fires from an element that can be worn attached to the body without compromising the mobility of the wearers.

Portability

The Exo2 devices are very small and light in relation to their effectiveness and their handling is very simple.

Not pressurized

Exo2 devices are not subject to pressure packaging regulations and are not subject to review.

Safe

Exo2 offers a greater projection distance than most fire extinguishers. The quick replacement of the capsules allows you to attack several sources.

Ecological

Exo2 devices do not generate toxic gases, ice, or waste of any kind.



Exo2 activator device



This device is the centerpiece of the Exo2 extinguishing system.

Its **breech-loading design** makes it easy to insert the extinguisher capsule from the rear, making it **intuitive and quick to use** in emergency situations.

Its ergonomics are designed for **efficient and safe handling**, allowing a quick response to a fire.



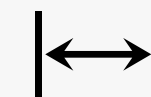
Intuitive activation: The mechanism is easy to use, like firing a flare gun.



Safety: There is no danger of explosion since the capsules are not under pressure.



Lightness: Each capsule weighs less than 100 grams, much less than a traditional fire extinguisher.



Safety distance: Allows you to act from a safe distance of 3 to 5 meters.

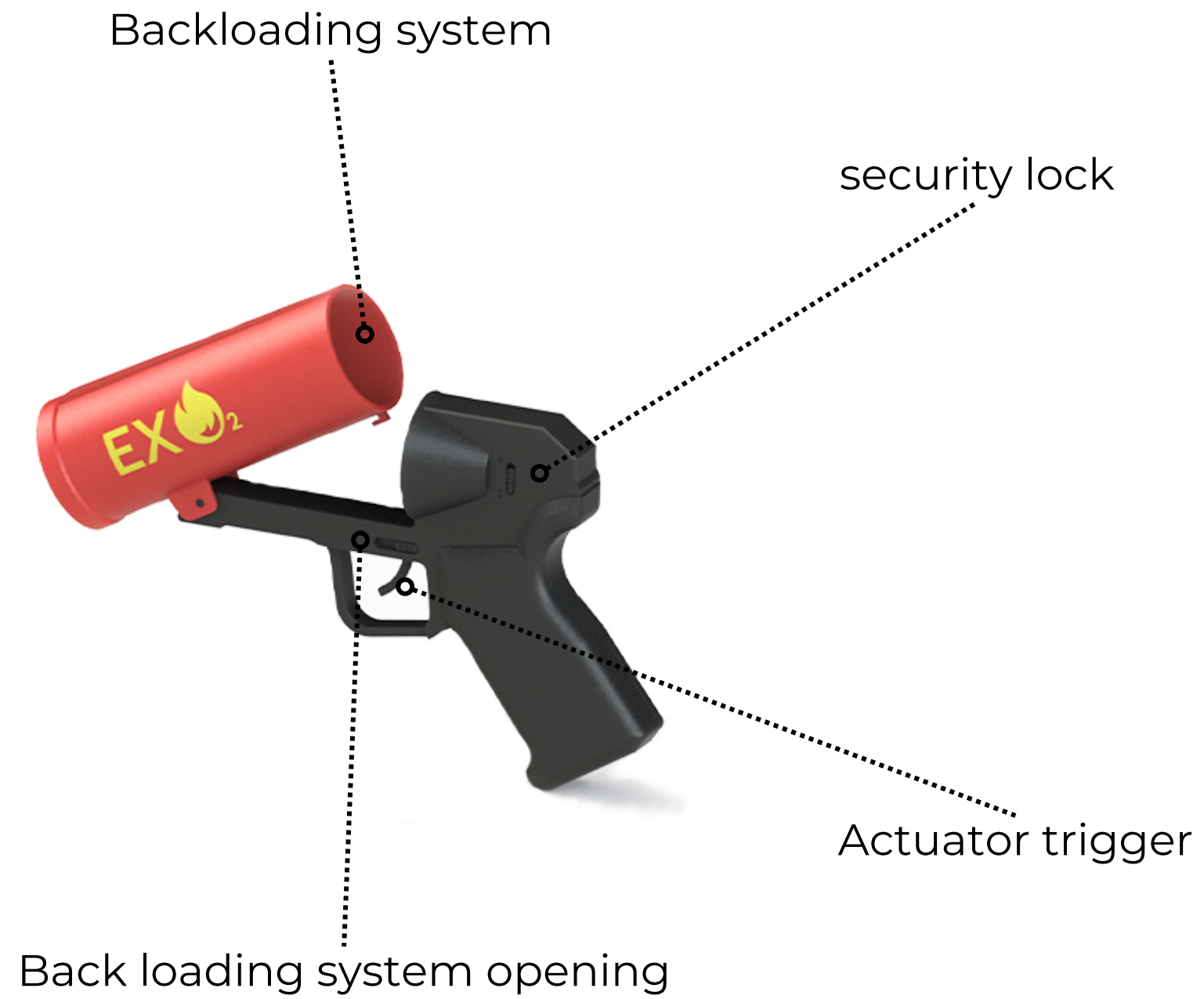


Quick recharge: They can be recharged quickly to face multiple fires in a short time.



Non-toxic: It does not produce harmful substances, avoiding damage to health and the environment

Exo2 activator device



40g CEX-40 R extinguishing capsule



- 1, 2, 3 and 4 - Pyro-electric activator with electromagnetic shield.
5 - Solid smoke generating compound.
6 - Clay plug.
7 - Sealing plug.
8 - Aeronautical aluminum container tube.



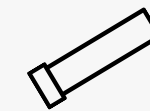
Two capsules of less than 200g are equivalent to a 6kg fire extinguisher.



Exo2 Compact Device



Due to the acceptance of the Exo2 portable extinguishing system, the option of a **more compact version** with the same extinguishing capabilities arises, but with a **less aggressive and more portable design**, made of aeronautical aluminum, with a muzzle-loading feeding system, magnetic fastening of the extinguishing capsules and push-button activation system in tail.



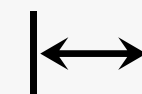
Intuitive activation: The mechanism is easy to use, you just have to press the rear activator.



Safety: There is no danger of explosion since the capsules are not under pressure.



Compact and lightweight: The compact model is even lighter, keeping the weight less than 100g per capsule.



Safety distance: Allows you to act from a safe distance of 3 to 5 meters.

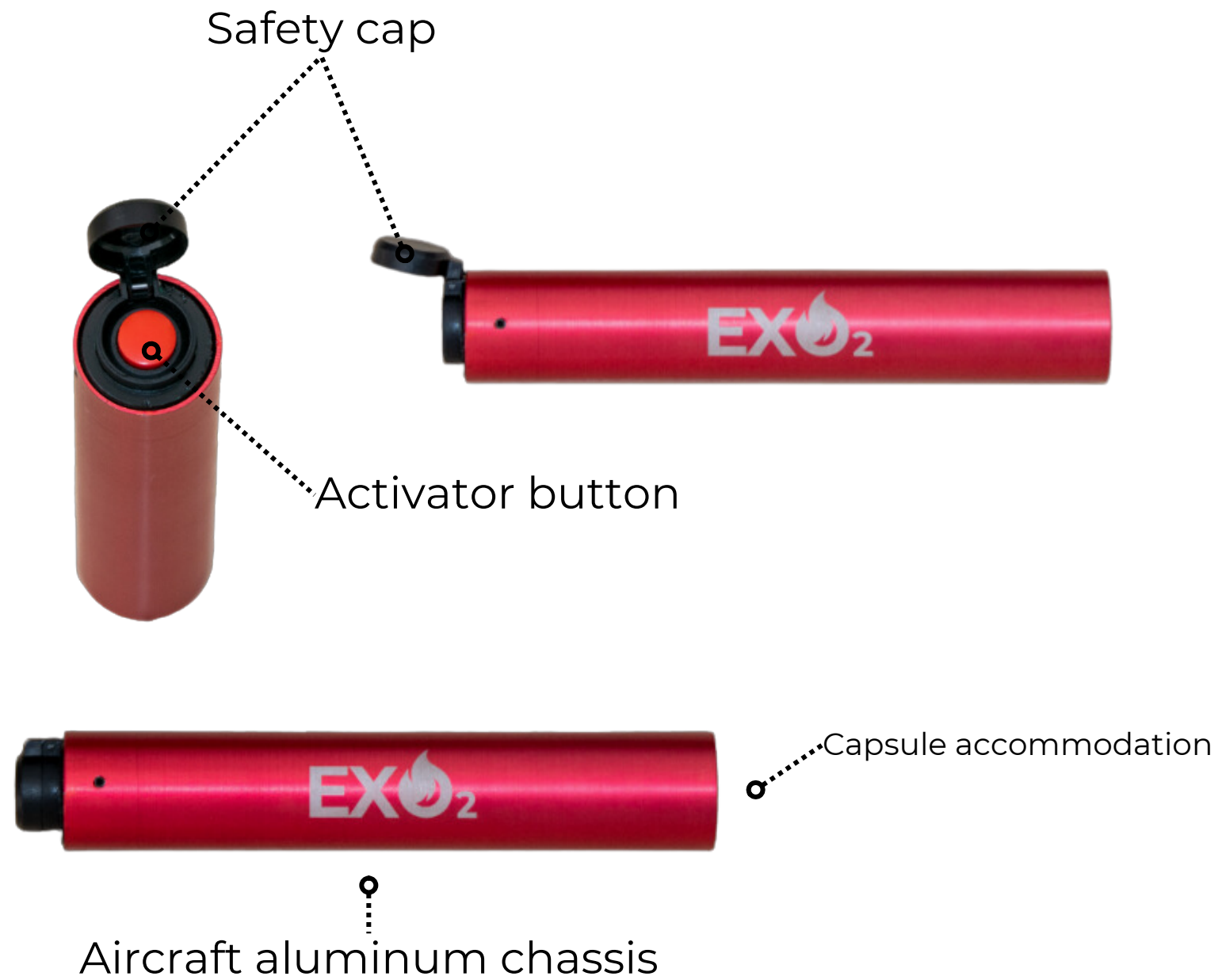


Quick recharge: They can be recharged quickly to face multiple fires in a short time.

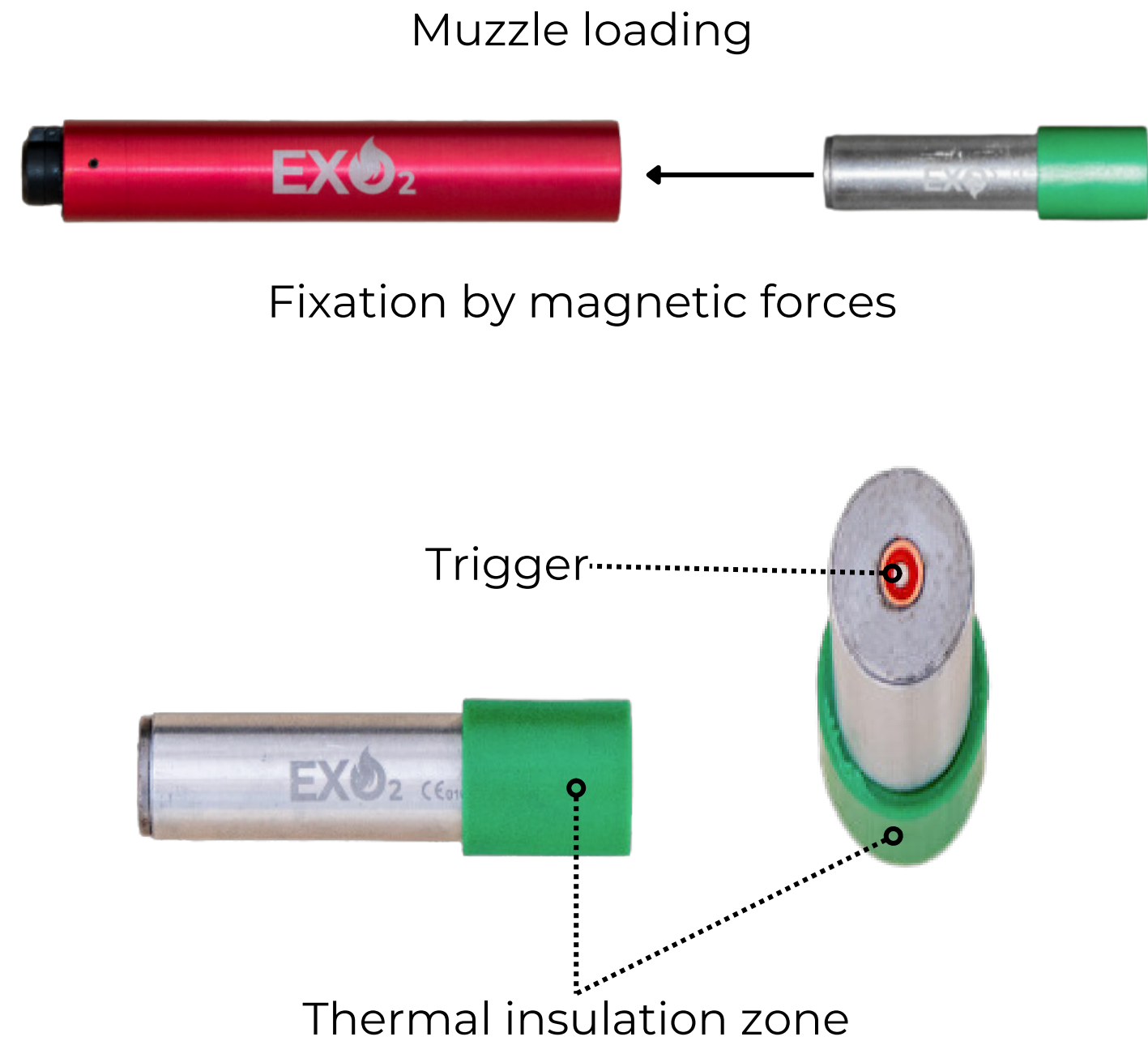


Non-toxic: It does not produce harmful substances, avoiding damage to health and the environment

Exo2 Compact Device

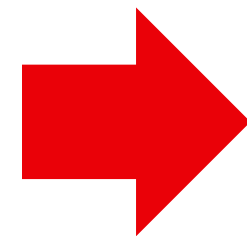


Fire extinguishing capsule CEX-40-A Avancarga

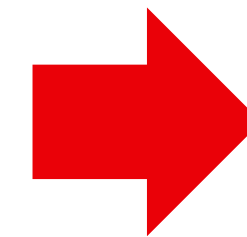


Functioning

The actuating device generates a small electrical impulse inside the capsule using a battery. This causes the solid material in the capsule to turn into gas (sublimation).



The gas with the capacity to displace O₂ comes out through the mouth and is projected towards the fire outbreak, drowning the flames.



40Gr of fumigation material is equivalent to 1Kg of conventional extinguishing powder.



CEX-40 extinguishing capsules are environmentally friendly



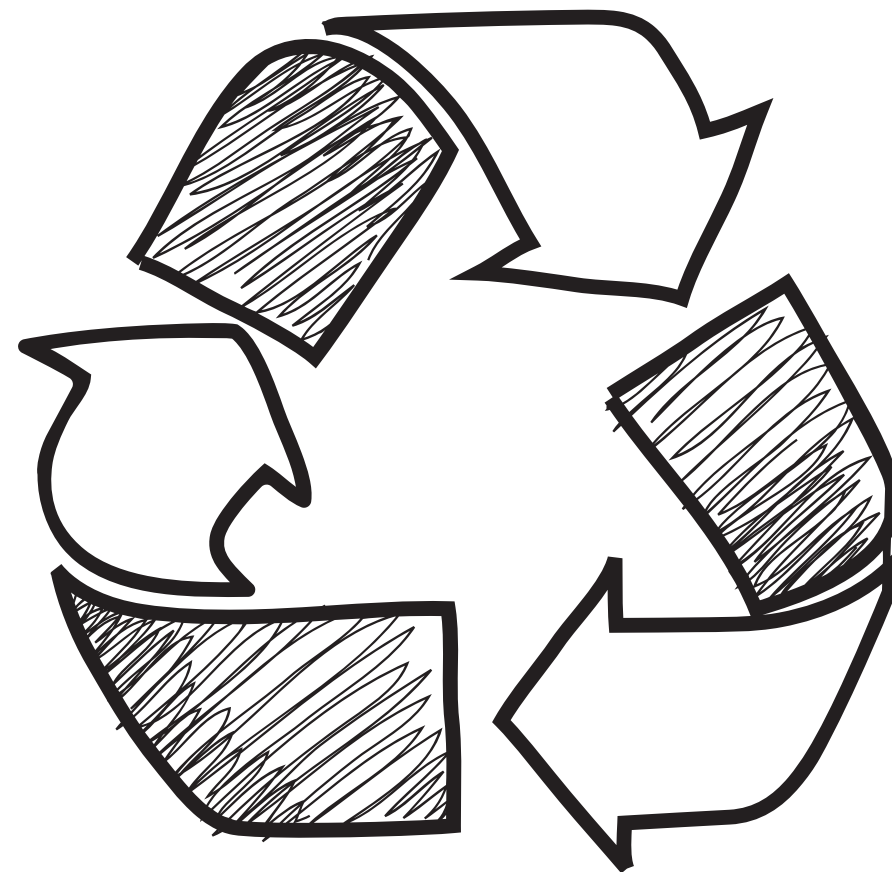
100% recyclable material

CEX-40 capsules are constructed of 100% recyclable aluminum



Without toxic components

All the compounds in the capsules are free of components harmful to health or the environment



Long duration

The capsules have a long useful life without generating any impact



Closed cycle

After use or expiration, the capsules can be sent for treatment to the supplier at no cost.

The fire



The nature of fire is complex and its management requires a fundamental understanding of its components and the balance between them.

- The harmonious conjunction of **fuel, heat and oxygen is the starting point for the ignition of a fire**. It is this precise balance that we seek to understand to control fire effectively.
- Knowledge of the fire triangle equips us with strategies for preventing and fighting fires, allowing us to **act on any of the elements** (fuel, heat or oxygen) to stop the chain reaction.
- **The EXO2 suppressant agent specifically targets oxygen**, the lifeblood of fire, by creating an oxygen-deficient environment that prevents the fire from continuing to feed and grow.

Types of fire

A fire outbreak is a fire that can be extinguished using extinguishing systems such as Exo2.

Exo2 is ideal for fighting different types of fire. These are characterized by the fuels that originate them and can be:



SOLIDS:
wood, cardboard,
papers, fabric,...



LIQUIDS:
Gasoline,
alcohol, wax,...



GASES:
Butane,
propane,
methane, ...



METALS:
Aluminum,
potassium,
sodium,
magnesium,...



KITCHEN:
Oils, greases,
devices,...

Thousands of accidents occur every year related to fire without the population having efficient measures against it.

In **2022**, in Spain, a total of **133,029 fire incidents** have been computed, of which 32,437 were in buildings (this includes all types of property, whether residential, tertiary or services) and, of the latter, **18,429 were in homes**.

Source: Mapfre Foundation and (APTB) Professional Association of Firefighter Technicians

<https://documentacion.fundacionmapfre.org/documentacion/publico/es/media/grup/1122594.do>

- In 2022, **235 deaths due to fire and explosion** were recorded in Spain, the highest number since 2010.
- Of those **235 deaths**, 176 were registered in homes.
- The most important probable cause of death known was as a result of fires caused by electrical appliances or equipment.
- It is estimated that, both in companies and residential properties, losses caused by fire in 2022 amount to **more than 600 million euros**.



Exo2 offers a fast and effective response against fire in any environment

EX  2

Accessories





Exo2 Accessories

Exo2 has a wide range of accessories to multiply its functionalities.

DIAGNOSTIC CARTRIDGE FOR EXO2



Cartridge that simulates the shape of a real cartridge and has the function of testing the device for its complete and correct functioning as well as the battery reserve it has.

BOX EXTINGUISHER CAPSULES CEX-40 R



Presentation in an approved box of 6 CEX-40 R capsules of 6 units.



Exo2 Accessories

Exo2 has a wide range of accessories to multiply its functionalities.

EXO2 TRANSPORT CASE



High resistance waterproof carrying case with capacity for activator and capsules.



Exo2 Accessories

Exo2 has a wide range of accessories to multiply its functionalities.

20MM RAIL MOUNT



20mm bottom rail for EXO2 accessories.

FLASHLIGHT / LASER



Illuminating and aiming element for 20 mm rail.



Exo2 Accessories

Exo2 has a wide range of accessories to multiply its functionalities.

EXO2 ACTIVATOR BELT COVER



Exo2 activator belt holster, heavy duty textile.

EXO2 ACTIVATOR LEG COVER



Leg cover for Exo2 activator, high resistance textile, available for right and left.



Exo2 Compact Accessories

Exo2 Compact has a wide range of accessories to multiply its functionalities.

COMPACT DIAGNOSTIC CARTRIDGE



Cartridge that simulates the shape of a real cartridge designed to test the complete and correct operation of the device, as well as to verify the available battery reserve.

CAJA EXTINGUISHING CAPSULES CEX-40 A



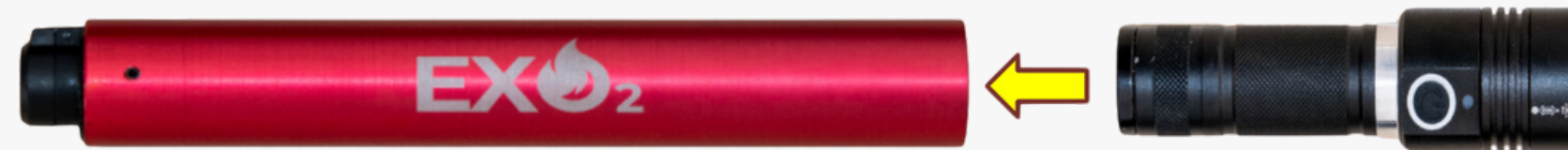
Presented in an approved box containing 6 CEX-40 capsules of 5 units each.



Exo2 Compact Accessories

Exo2 Compact has a wide range of accessories to multiply its functionalities.

LINTERNA COMPACT



A high-range, high-power flashlight can be installed in the Compact model activator device in the space designated for the extinguishing cartridge, replacing it and allowing the activator to be used more frequently as a flashlight than as an extinguisher.

The flashlight holder is magnetic with a tensile force of more than 12 kg, ensuring a firm attachment that is resistant to sudden movements. In addition, it can be quickly detached to exchange it for the extinguishing capsule when necessary.

LIGHT DIFFUSER



Non-deformable translucent silicone diffuser for signaling and work light.



Exo2 Compact Accessories

Exo2 Compact has a wide range of accessories to multiply its functionalities.

RIGID 360° COMPACT BELT BOTTLE



Rigid rotating belt holster constructed of polymer.

COMPACT SOFT BELT COVER 360°



Soft rotating belt cover made of textile.



Exo2 Compact Accessories

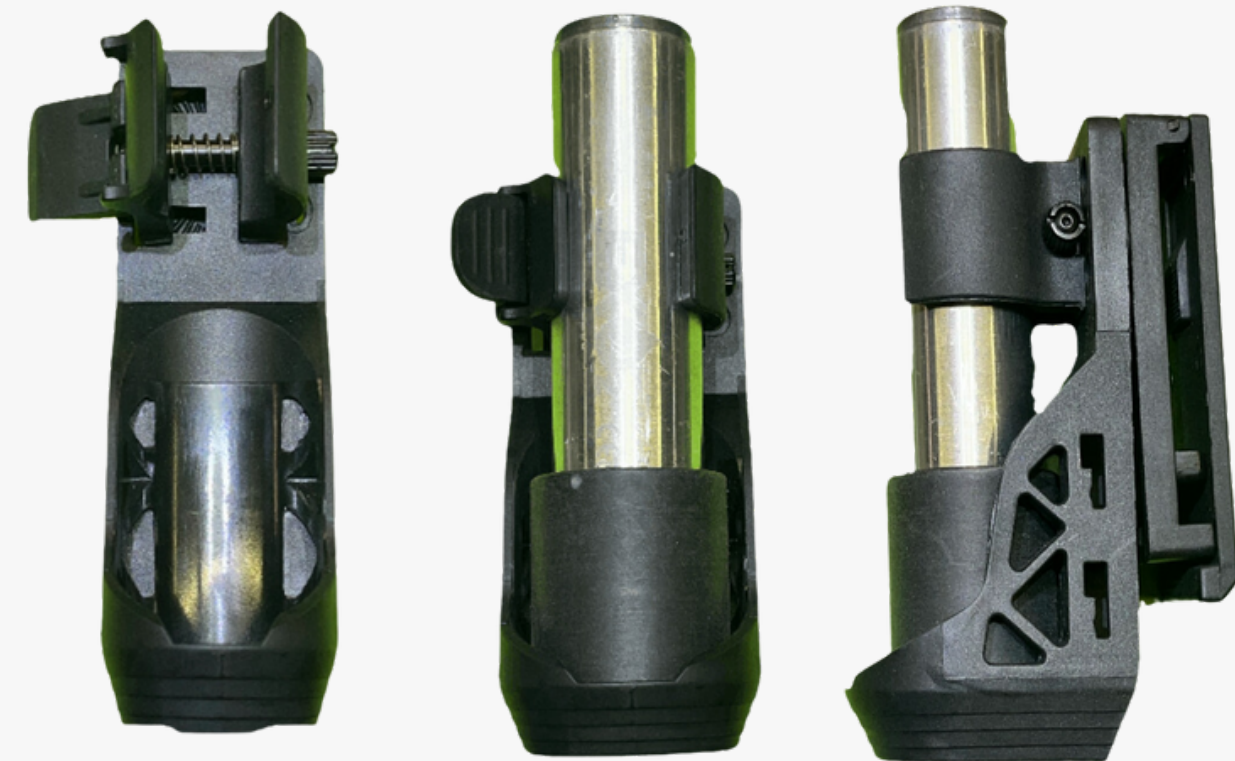
Exo2 Compact has a wide range of accessories to multiply its functionalities.

COMPACT SOFT CASE



Zipper case for Compact activator made of EVA.

360° RIGID CAPSULE BELT COVER



Rigid rotating belt holster constructed of polymer.



Exo2 Compact Accessories

Exo2 Compact has a wide range of accessories to multiply its functionalities.

TOP CLOSURE SOFT CAPSULE



MOLLE system holster and belt for Compact capsules and flashlight with top closure.

MOLLE CAPSULE SHEATH PRESSURE CLOSURE



MOLLE system holster and belt for Compact capsules and flashlight with snap closure.

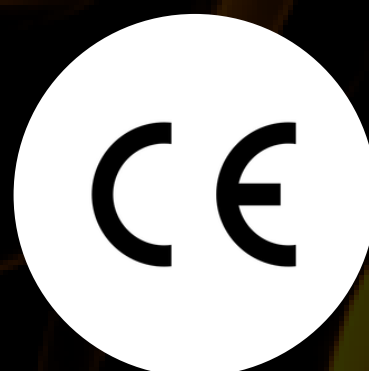
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MARK CE 0163



EU Examination Certificate of Type Module B

Notification of Quality Assurance of the Production Process (Module D) Issued by the Official Laboratory J.M. of Madariaga (LOM), this being the Notified Body by the European Commission no. 0163 in the Pyrotechnics, Explosives and Explosive Atmospheres Directives, in addition to the reference laboratory in Spain for these three areas.