

O₃Z-Tech

🇬🇧 Certified ozone sanitisation system for vehicles



EN 1789

**With ozone sensor and
presence detector**

EMS

Vehicle sanitisation system

O3Z-Tech converts oxygen in the air into ozone, a natural gas with proven sanitizing properties, enabling fast and effective disinfection of the treated area, leaving no residue and avoiding the need for rinsing.

Ideal for emergency and passenger transport vehicles, ozone eliminates bacteria, viruses, mold. Tests conducted by Stem, in collaboration with an accredited laboratory, have shown that O3Z-Tech reduces up to 99.999% of a wide range of pathogens.

The ozone sensor, presence detector, visual as well as audible signals, guarantee a safe usage. O3Z-Tech requires no consumables or extra products, reducing the cost of sanitization.

With three modes of use – Fast, Power, and Manual – the system can be adjusted to meet different operational needs



Microbial Load Reduction – Analysis Results

MICROBIAL SPECIES		25 min* fast	45 min* power
Bacteria	Staphylococcus aureus	99,9 %	99,999 %
	Pseudomonas aeruginosa	99,9 %	99,9993 %
Fungi	Candida albicans	99,99 %	99,9994 %
Spores	Bacillus subtilis	99 %	99,994 %
Mycobacteria	Mycobacterium terrae	99,4 %	99,99 %
Viruses	Adenovirus type 5	99,93 %	99,999 %
	Coronavirus 299E	99,99 %	99,999 %

*Tests carried out in an 11.5 m³ ambulance compartment at a temperature of 22°C

Safety under control. Always

- The debate on the use of ozone generators is still ongoing, particularly due to the potential health risks associated with exposure to this gas. With Stem's O3Z-Tech, all uncertainties are overcome. Thanks to a range of integrated functions, each treatment is safe for both the environment and people:
- The integrated **ozone sensor** monitors that the target concentration of 5 ppm, as well as an optimal level for eliminating all pathogens are reached. It signals when the value returns within the safe threshold for humans, avoiding potentially harmful exposures. The sensor also makes O3Z-Tech adaptable to different space volumes while maintaining the same effectiveness.
- The **presence detector** recognizes people's movement and automatically stops the ongoing treatment, thus preventing accidental exposure to ozone.
- The **Stem Global Service app** enables remote control of the device, allowing users to initiate treatments, monitor them in real time and download a detailed treatment report.



The first ozone sanitiser tested to En 1789 standards

O3Z-Tech is the only ozone generator certified with 10g dynamic crash tests, compliant with EN 1789 standards for safe use in ambulances and medical vehicles. This certification ensures that the device remains securely fixed in case of an impact and does not pose a risk to patients or medical staff.

Available in a portable version thanks to the O3Z-Rack accessory



The only one of its kind featuring:

- 10g Certification in compliance with EN 1789
- Ozone sensor for treatment monitoring
- Presence detector
- Display interface, LED indicators, and acoustic signal
- Stem Global Service app with sanitisation report

 155x250x310 mm

 5,7 kg

 12V DC

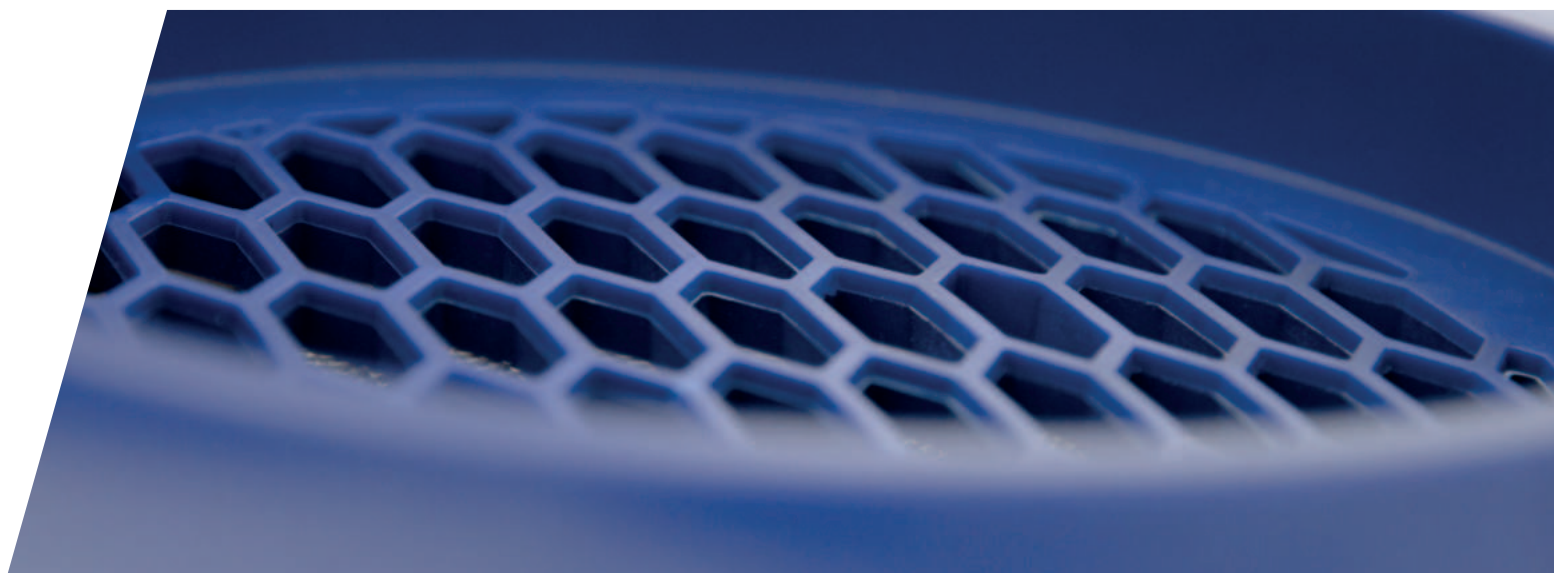
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 2014/53/UE
2014/30/UE

 Warranty 2 years

 Stem Global Service App

 EN 1789



O₃Z-Tech



O₃ Sensor



Company certified with ISO EN
9001:2015 quality management
system



Contact our sales department to consult the available certifications.

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