

## O<sub>3</sub>Z-Tech

🇬🇧 Sanitisation system



 **EN 1789**  
**With ozone sensor**

EMS

## Vehicle sanitisation system

### Stop to bacteria, viruses and contaminants

Generating a flow of ozone from air oxygen, the O3Z-Tech allows for a quick and effective sanitisation without releasing chemical residuals and it does not require rinsing.

Particularly indicated for medical and passenger vehicles.

The ozone ensures the sanitisation of air, surfaces and objects from bacteria, viruses and other pathogens and pests.

The O3Z-Tech meets the requirements for installation and transport in medical vehicles as it is certified according to EN 1789 with dynamic crash test.



The ozone sensor and the acoustic and visual warning devices make the use of the device safe. The O3Z-Tech does not require maintenance, disposables or any products for use, thus reducing the sanitisation costs.

### Test results of the microbiotic load reduction

| MICROBIAL SPECIES |                        | 25 min*<br>fast | 45 min*<br>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 %          |
| Virus             | Adenovirus type 5      | 99,93 %         | 99,999 %         |
|                   | Coronavirus 299E       | 99,99 %         | 99,999 %         |

\* Test conducted in an 11,5m3 compartment (ambulance) at a temperature of 22°C

## The first ozone sanitisation device tested according to EN1789 standard

The debate about the use of ozone generators is increasingly heated. There is uncertainty, perplexity and fear around those products and devices that do not fully comply with the relevant European standards.

A presentation on the O3Z-Tech ozone generator provides an opportunity to dispel all doubts.

Ozone is a natural gas produced by oxygen in the air. Thanks to its strong oxidizing capacity, it eliminates moulds, bacteria and viruses including the Coronavirus, as proved by a very recent publication by the School of Mechanical Engineering of Tel Aviv University, in collaboration with the Faculty of Medicine of the Bar Ilan University of Safed.

A very important news that reinforces the results of the sanitization tests carried out by STEM in collaboration with an accredited analysis laboratory that show the sanitization power of the O3Z-Tech system to reduce up to 99.999% a wide spectrum of pathogens, including the Coronavirus.

The Ozone sensor integrated in the O3Z-Tech device is a key strategic element that makes the STEM product different from all products currently on the market

Indeed, the Ozone sensor is the only element that can ensure to reach the target threshold of 5 ppm of O<sub>3</sub> necessary to eliminate all pathogens and it warns when the gas concentration gets back below the acceptable value for humans.

O3Z-Tech has three operation modes: Fast, Power and Manual, allowing to optimize sanitization time based on the specific needs.

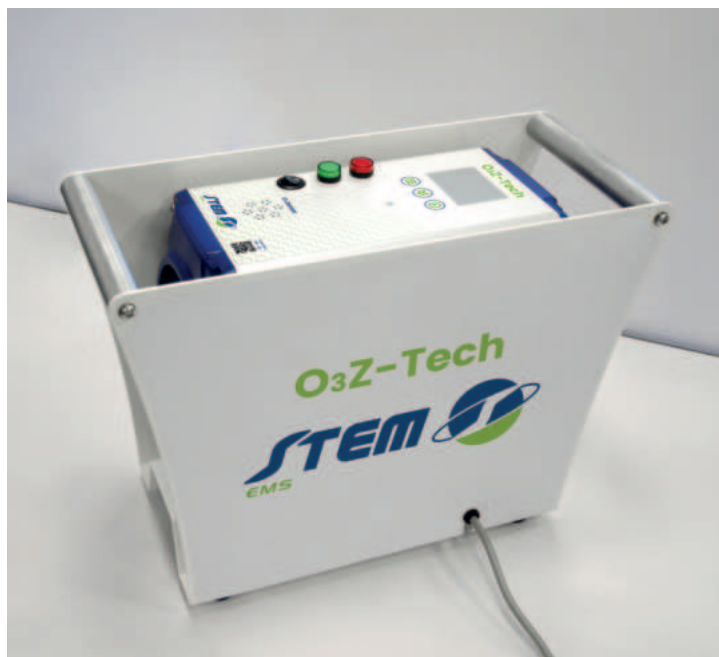
Once again Stem reaffirms its safety policy: O3Z-Tech is the only ozone-generator that can be installed in an ambulance or any other vehicle as it is certified with 10g dynamic crash test in compliance with EN1789 standard.

The redundant acoustic and light warning system allows for safe and controlled sanitizations, while the dedicated app "Stem Connect" for smartphones allows to remotely control the device and to download the sanitization report in pdf.



### The only one with:

- 10g certification according to EN 1789.
- Treatment monitoring via integrated ozone sensor.
- Display interface, LED and coupling warning device.
- "Stem Connect" app with sanitisation report.



 155x250x310 mm

 5,7 kg

 12V DC

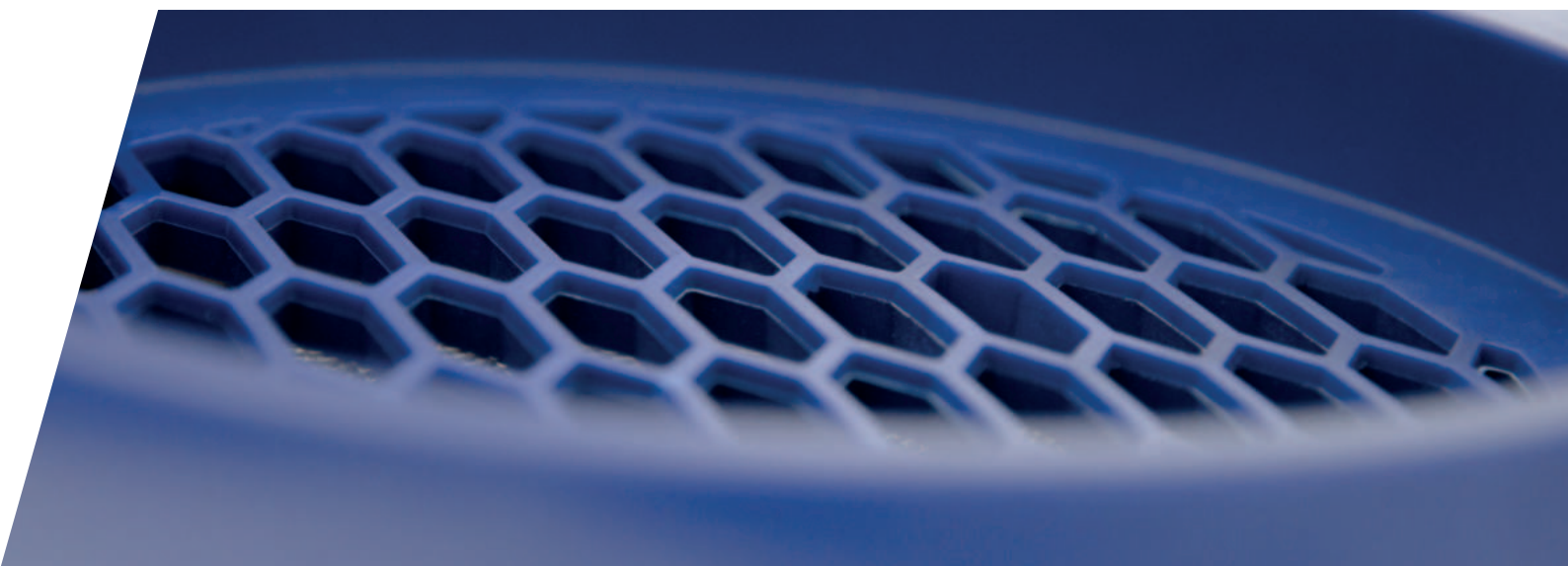
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 2014/53/UE  
2014/30/UE

 2 year warranty

 App "Stem Tool"

 EN 1789



# O3Z-Tech

