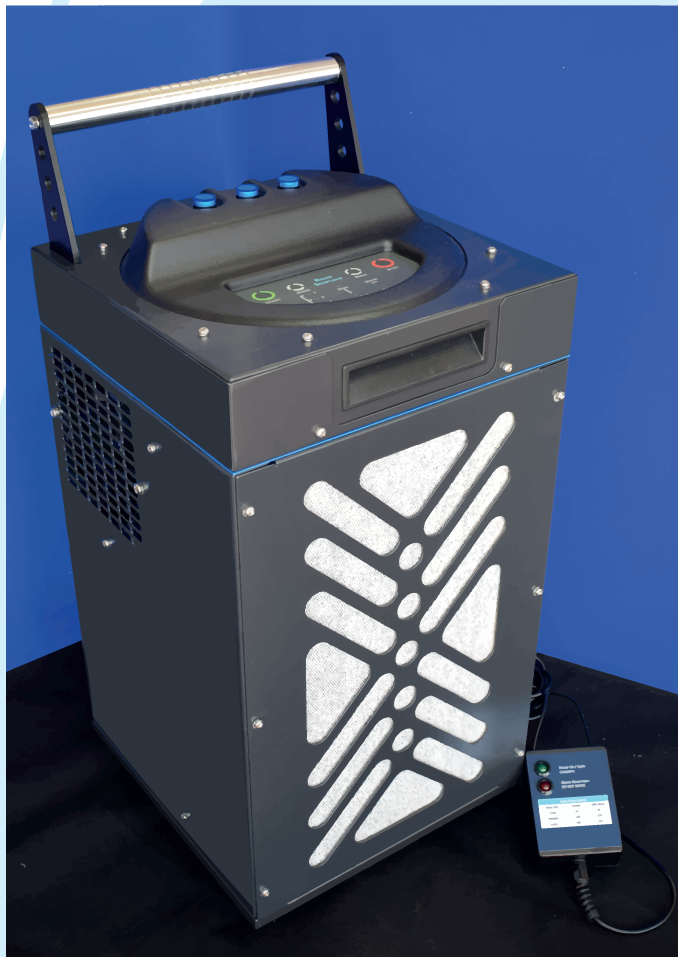


Ozone Industries Ltd, a UK Manufacturer of  Ozone Generators for Biocidal purposes, announce the launch of the Pro3tec 10:



The Pro3tec 10 is a UK Government funded SMART award project to develop a surface and air disinfection system.

Tested by Campden and Chorleywood, one of the UK's leading Microbiology Test centres, to the European Standard EN17272: 2020 Chemical disinfectants and antiseptics. Methods of airborne room disinfection by automated process. Determination of bactericidal, mycobactericidal, sporicidal, fungicidal, yeasticidal, virucidal, phagocidal activities.

The results under test condition proving the Pro3tec 10 achieved:

- 5 log reduction (99.999%) for bacteria*
- 4 log reduction (99.99%) for yeasts*
- 4 log reduction (99.99%) for viruses*

The Pro3tec incorporates an ozone destruct to remove ozone and any other potentially harmful particulates/ compounds produced during the treatment. This ensures a safe environment after use. The Pro3tec includes a safe to enter notification system advising you of this state.

Ozone industries is registered with the UK HSE as part of the UK Biocidal Products Regulations. All Biocides need to be registered and approved by the UK HSE. It should be noted companies not going through the approval process will need to remove their products shortly.

*Under test conditions: 30m³ room.

Technical Specification

Ozone	10gm nominal
Ozone destruct	Treated Carbon
Dimensions	730mm (H) 330mm (W) 330mm (L)
Weight	15kg
Material of construction (Frame)	Powder coated aluminium
Voltage	230v
Hz	50-60 Hz
Watts	350w
Airflow (Ozone)	300 cfm (cubic feet per minute)
Airflow (Destruct)	323 m3 hr nominal
Controls	Digital HMI board
Indicators fixed	Blue LEDs
Indicators remote	Red LED (in operation), Green LED (safe entry)

Description and overview

- Ozone is one of the most powerful oxidants commercially available. It is this oxidation property of ozone that enables the ozone molecule to have biocidal effect.
- Ozone is naturally occurring and is created by UV light from the sun reacting with oxygen in the atmosphere (the ozone layer), during a thunderstorm when lightning reacts with oxygen in the atmosphere.
- The gas is colourless
- The Pro3tec uses oxygen (o₂) from the atmosphere, applies an electrical charge that splits the oxygen molecule which then recombines to form the unstable molecule ozone (o₃).
- As Ozone is an unstable molecule it will eventually revert back to oxygen. As the level of ozone used for disinfection is above the occupational exposure limits an ozone destruct unit integral to the Pro3tec accelerates the ozone conversion back to oxygen. This makes the time taken for the biocidal process to be quicker and safer.
- As the level of ozone produced is above the occupational exposure limits people and pets should not be present in the room when the treatment takes place.
- The Protec is equipped with a remote safety device that indicates when the treatment has been completed and it is safe to enter the treated area.
- When ozone is used in the treatment of a room it will react with materials in the room (disinfection by products). This is particularly evident in areas with high VOC content e.g. cars (new car smell). The Pro3tec has a high density carbon filter that removes particulates to 2.5 µm which are harmful and created during the disinfection process.
- The Pro3tec is equipped with two fans 1/. Ozone generation and 2/. Ozone destruct. This increases the amount of ozone produced as running ozone with the destruct 'in play' reduces the amount of ozone produced.
- The Pro3tec is easy to handle with a total weight of 15kg. Wheels are also in position to assist the mobility of the generator.
- Ozone Industries has access via shared ownership of an Ozone Dossier registered with ECHA the European Chemicals Agency (a copy of our certificate is on the following page). As a biocide all applications will need to be approved by ECHA. Generators not going through the approval process will need to be removed from the market.
- To obtain approval for this application there are two main features of the regulation
 - It is safe when used, this covers two main aspects:
 - Occupational exposure
 - Creation of disinfection by-products
 - It does what you claim
- Whilst ozone is going through the approval process at an EU level, National rules apply. Since Brexit, the UK HSE has adopted the same BPR as the EU for the UK market; all ozone products sold as a biocide will need to be registered and approved by the HSE. Those products that are not approved will need to be removed from the market. A notification of supplying a biocide is required during this transition period. It is recommended that with purchase of an ozone generator you request a copy of either the shared ownership certificate or a Letter of Access to ensure the product is going through the approval process.

This Declaration of ownership of data and access rights is valid from the date given below (*Full Terms and Conditions are available*) and not Transferable. It does not constitute a Letter of Access but it does confirm that:

Ozone Industries Ltd.

is a full member of the European Ozone Trade Association (EuOTA) and is a co-owner/and/or has a rights of access to the EuOTA Ozone Active Substance Biocide Dossiers. As listed by ECHA under Article 93.



EuOTA Membership Number: O001-16

**EuOTA LoA Certificate Number:
Not Applicable**

Date of Certificate 07/07/2017

Substance: Ozone

EC No. 233-069-2 CAS No. 1002815-6

The Biocidal Products Regulation (EU) 528/2012 (BPR) came into force on 1 September 2013 repealing the Biocidal Product Directive (Directive 98/8/EC). From 1 September 2013, Ozone is regulated as an "Active Substance" under the BPR.

Following Active Substance approval under the BPR, any Company that wishes to place a biocidal product on the market which contains ozone generated in-situ within the EU or EFTA must have its product authorised in accordance with the BPR. This process first requires a dossier on the active substance or a Letter of Access to an "Active Substance" dossier from a dossier owner in respect of Ozone and thereafter a specific application for each product to be Authorised for sale and use within the EU or EFTA. Companies without such a letters of access cannot support their products for future Authorisation.

Details of the BPR can be found on the European Chemicals Agency (ECHA) website:

<https://echa.europa.eu/regulations/biocidal-products-regulation>

Trade Mark protected. Unauthorised duplication of this certificate is not permitted.

Ozone Industries Ltd. as a Full Member of EuOTA and a co-owner of The European Ozone Trade Association Limited Active Substance Dossiers for Product Types 2, 4, 5 and 11 entitled, "Ozone generated from oxygen (generated from ambient air, water or pure oxygen not supplied with the intention to generate ozone for a biocidal use)" that has been submitted to The Netherlands Competent Authority (Ctgb) (August 2016).

Once Ozone is approved only products that have an Active substance dossier or a Letter of Access to an Ozone Active Substance Dossier can continue to be placed on the European Market. This certificate confirms that Ozone Industries Ltd. has access to the Active Substance dossiers for Ozone.

Signature: EuOTA

Signature: Ozone Industries Ltd.