



OZONE

WHAT IS IT?

Ozone is a colourless gas (at high concentrations it is light blue), with a pungent odour, the characteristic smell in the air after a thunderstorm. The symbol of Ozone is O3, because it is made up of three oxygen atoms. Ozone is also present in the stratosphere, at an altitude of 15 – 20 kilometres, where it performs a function that is highly beneficial for life, by providing a screen for the sun's ultraviolet radiation, which is harmful to living cells.

It is an unstable gas that cannot be stored and must be produced at the time of use.

MECHANISM OF ACTION

Ozone has a high oxidizing power, this property, combined with its great molecular instability, allows ozone to break down the cell membranes underlying the vital integrity of bacteria cells, fungi, microbes, viruses, pathogenic agents, salmonella, dust mites, shield bugs, insects, fleas, ticks and lice.

3aving exerted its oxidizing action, it completely breaks down into oxygen within 30 – 60 minutes from use. To this we can also add the complete decontamination and deodorisation of environments.

Cool and environment friendly, ozone is a gas with a characteristic smell that stands out for its air, drinking water, food and surface sanitization properties.

We now know that its fundamental action against bacteria, viruses, microbial cysts and spores makes it ideal for disinfecting textile surfaces, such as carpets, rugs, curtains,



as well as sofas, armchairs and beds, without having to dismantle them. Ozone sanitization reaches the parts that even the most thorough washing cannot accomplish.

CONFORMITY DECLARATION

The undersigned company Scent Company srl, with registered address in Albino (BG), via Sottoprovinciale 1/H, declares that the product which goes under the name of "Bio3Gen", destination of use being the dispensing of ozone in closed environments

- complies to the DIRECTIVE 2014/30/UE and subsequent modifications and additions (electromagnetic compatibility)
- complies to the DIRECTIVE 2014/35/UE and subsequent modifications and additions (safety of electrical equipment)
- complies to the Harmonised Standards EN 55014-1, EN 55014-2, EN 60335-1 e EN 60335-2-65.

The legal Representative

Albino (BG), 27/06/17

CHARACTERISTICS OF OZONE





CHARACTERISTICS OF OZONE

The main characteristics of Ozone are:

- As it is a highly unstable molecule, it has a high oxidizing power.
- It is able to break down non-biodegradable complex organic compounds
- It exerts an energetic disinfecting action
- It can be used to disinfect water because it does not leave any odour or flavour
- Unlike other disinfectants (such as chlorine) it does not leave residues
- After 20 minutes it transforms into oxygen and does not require any elimination treatment

OZONE'S DISINFECTION AND DISINFESTING ACTION

The disinfecting treatment works by destroying or deactivating pathogenic micro-organisms mainly in two ways:

- By oxidation and, consequently, by breaking the cellular wall
- By spreading across the cellular wall and interference in cell activity

The micro-organisms destroyed by Ozone are:

- Bacteria such as E. Coli, Streptococcus, Staphylococcus etc., which cause infection and infectious diseases
- Microbial cysts (Giardia Lamblia) which can cause potentially severe intestinal problems
- Spores that cause allergies and respiratory tract infections

The micro-organisms deactivated by Ozone are:

 Viruses, which cause infections and inflammatory disorders. Ozone deactivates the viral receptors that the virus uses to bind to the wall of the cell it wants to invade. This blocks the mechanism of viral reproduction in its earliest phase: cell invasion.

Ozone can also be used for **disinfesting treatments** in any room of the house, as it acts as an insect repellent.

INSTRUCTIONS FOR USE Ozone is a natural remedy used

for a number of applications







DISINFECTION OF THE AIR IN ALL ROOMS OF THE HOUSE

- If BIO³GEN is not already mounted on a wall, install the appliance inside the room.
- 2. Connect it to the main electricity supply.
- 3. Switch on **BIO**³**GEN** by pressing the I/O key on the keyboard.
- 4. Set the treatment time according to the surface area, as shown in the table below.
- 5. To disinfect the air it is not necessary to connect the tube.
- 6. Be careful not to block the Ozone outlet.
- 7. Do not stay in the room while **BIO**³**GEN** is switched on.
- 8. For use in poorly ventilated environments or those with an area of less than 9m² and for more than ten minutes, isolate the room and enter only after 30 minutes from the end of treatment.

USING THE APPLIANCE

SITE	SURFACE AREA.	CEILING HEIGHT	TREATMENT TIME
Room	8-12 mq.	3 metres	10 minutes
Home	45 mq.	3 metres	20 minutes
Home	90 mq.	3 metres	30 minutes

ACTION PERFORMED

REMOVES	ELIMINATES	DEACTIVATES	REPELS
Odours, particularly the smell of smoke	Bacteria, fungi and moulds	Viruses	Insects

FREQUENCY OF USE

Repeat the action once/twice a week or as necessary







DRINKING WATER PURIFICATION

- 1. Connect **BIO**³**GEN** to the main electricity supply.
- 2. Connect the tube provided to **BIO**³**GEN**.
- 3. Press the round stone with a diameter of 20 mm into the end of the tube.
- 4. Place the tube containing the stone in the water basin.
- 5. Switch on **BIO**³**GEN** by pressing the I/O key on the keyboard.
- 6. Set the treatment time as shown below. When the appliance is running, bubbles will come out of it.

CAUTION:

DO NOT SOAK BIO³GEN IN WATER OR IN OTHER LIQUIDS.

USING THE APPLIANCE

QUANTITY	TREATMENT TIME
1- litre container	2 minutes
5- litre container	10 minutes
20- litre container	20 minutes

ACTION PERFORMED

BREAKS DOWN	ELIMINATES	DEACTIVATE	MAINTAINS	PRECIPITATES
Pesticides and chemical product residues	fungi, algae	Viruses	Does not alter the taste ofwater	Metals, arsenic, magnesium, calcium

Use with glass or steel containers







PURIFYING OBJECTS

- 1. To purify objects, position the appliance inside the room where the objects to be cleaned are located and follow the instructions in the "Air purification" section.
- 2. To clean clothing and laundry, connect the tube provided to the **BIO**³**GEN** appliance and place it inside the wardrobe.
- 3. To clean footwear, place the tube inside the shoe rack.
- 4. Connect it to the main electricity supply.
- 5. Switch on **BIO**³**GEN** by pressing the I/O key on the keyboard.
- 6. Set the treatment time as indicated below.
- Take care not to squash the tube in order to avoid blocking the flow of Ozone.

USING THE APPLIANCE

TYPE OF FORNITURE	SIZE	TREATMENT TIME
Wardrobe	2 doors	2 minutes
Wardrobe	4 doors	5 minutes
Shoe rack		5 minutes

REMOVES	ELIMINATES	DEACTIVATES	SANITISES
Unpleasant	Bacteria, fungi and moulds	Viruses	Clothing and footwear







DISINFECTING CLOTHING

Garments are disinfected and stains are easier to remove.

- 1. Place the garments in a basin of water.
- 2. Connect **BIO**³**GEN** to the main electricity supply.
- 3. Connect the tube provided to **BIO**³**GEN**.
- 4. Press the round grey pebble with a diameter of 28.5 mm into the end of the tube.
- 5. Place the tube containing the pebble in the waterbasin.
- 6. Switch on **BIO**³**GEN**.
- 7. Set the treatment time as indicated below. When the appliance is running, bubbles will come out of it.

CAUTION:

DO NOT SOAK BIO³GEN IN WATER OR IN OTHER LIQUIDS.

USING THE APPLIANCE

QUANTITY	TREATMENT TIME
5-litre basin	5 minutes
10-litre basin	10 minutes
30-litre basin	30 minutes

REMOVES	ELIMINATES	DEACTIVATES	SANITISES
Unpleasant	Bacteria, fungi and moulds	Viruses	Clothing and footwear







PURIFYING FOOD PRODUCTS DISINFECTING FRUIT AND VEGETABLES

- 1. Place the fruit and vegetables in a water basin.
- 2. Connect **BIO**³**GEN** to the main electricity supply.
- 3. Connect the tube provided to **BIO**³**GEN**.
- 4. Press the round white pebble with a diameter of 20 mm into the end of the tube.
- 5. Place the tube containing the stone in the water basin.
- 6. Switch on **BIO**³**GEN** by pressing the I/O key on the keyboard.
- 7. Set the treatment time as indicated below. When the appliance is running, bubbles will come out of it.

CAUTION:

DO NOT SOAK BIO³GEN IN WATER OR IN OTHER LIQUIDS.

USING THE APPLIANCE

QUANTITY	TREATMENT TIME
1-litre container	5 minutes
3-litre container	10 minutes
5-litre container	20 minutes

BREAKS DOWN	ELIMINATES	DEACTIVATES	MAINTAINS
Pesticides and chemical product residues	Bacteria, fungi, algae and moulds	Viruses	Does not alter the taste of food product







- 1. Connect **BIO**³**GEN** to the main electricity supply.
- 2. Connect the tibe provided to **BIO**³**GEN**.
- 3. Place the tube inside the refrigerator.
- 4. Do not completely close the refrigerator in order to avoid squashing the tube.
- 5. Switch on **BIO**³**GEN** by pressing the I/O key on the keyboard.
- 6. Set the treatment time as indicated in the table.

USING THE APPLIANCE

QUANTITY	TREATMENT TIME
50-litre refrigerator	5 minutes
180-litre refrigerator	10 minutes
400-litre refrigerator	20 minutes

ELIMINATES	DEACTIVATES	MAINTAINS
Batteria, fungi, algae and moulds	Viruses	Does not alter the taste of food products



OZONE AUTHORISATION AND CERTIFICATES

for disinfection and disinfestation use





NATIONAL & INTERNATIONAL AUTHORISATIONS

The United States FDA – Food & Drug Administration validated the compatibility of Ozone with human activities by permitting the use of Ozone as an antimicrobial agent in gaseous form or in aqueous solutions in the production of foods such as meat, eggs, fish, cheese, fruit and vegetables. Specifically, it labels Ozone as GRAS (generally recognized as safe), i.e. as a secondary food additive that is safe for human health.



The National Organic Program (NOP), the United States' new organic agriculture regulations, issued by USDA, the united States Department of Agriculture, approved ozone as an active ingredient for the sanification of

surfaces (plastics and stainless steel) in direct contact with food that does not need to be rinsed and is chemical residue-free.

USDA



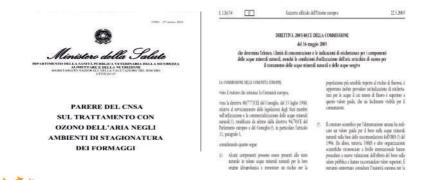


health".

.With protocol no. 24482 of 31 July 1996, the Italian Ministry of Health recognised the use of Ozone to treat air and water as a natural system for sterilising environments contaminated by bacteria, viruses, spores, moulds and dust mites

In Europe, the use of ozone to treat

This Directive is explicitly mentioned in the opinion issued by the CNSA (National Food Safety Committee) concerning Ozone air treatment in cheese maturing rooms.



disinfection and sterilisation when bottling water. Directive 2003/40/EC, issued by the European Food Safety Authority Commission on 16 May 2003, set forth a list, concentration limits and labelling regulations for the components of mineral and spring waters. Specifically, amended Directive 80/777/EEC, in article 4, paragraph 1, letter b), reads "the possibility to separate iron, manganese, sulphur and arsenic from certain mineral waters by means of treatment with ozone-enriched air, assigning the assessment of this treatment to the scientific committee for human food products and the adoption of the conditions of

use to the steering committee for the food chain and animal

INSTRUCTIONS FOR USE



TECHNICAL FEATURES

Model	BIO3GEN	Ozone output	400 mg/h
Dimensions	29x29x7 cm	Net weight	1,5 Kg
Power	AC220V±10%/50Hz	Power during use	15W/18W
Flow rate	3-3.6L/min.	Max. time	30 min.

USE DESTINATION

Appliance for drinking water treatment, environment, clothing and food disinfection

SAFETY

- Before using the pebbles in liquids it is highly recommended to clean them thoroughly and to previously switch on BIO3GEN for 5 minutes in the water
- It is necessary to clean the tube before using it.
- The BIO3GEN appliance must be used in a hygienically suitable environment.
- For water treatment, the machine must be positioned on a higher level to prevent the water from flowing back to the machine.
- With temperatures exceeding 42°C the ozone's action is comes to an end after just a few minutes.
- Handle with care and do not obstruct the ozone output.
- For use in poorly ventilated environments or those with an area of less than 9m2 and for more than ten minutes, isolate the room and enter only after 30 minutes from the end of treatment.
- If there is no indoor ventilation, do not use the ozone generator for too long, in order to avoid excessive concentrations of ozone. It is advisable to leave a window open.
- It is advisable to change the pebble after every 500 hours of use.
- Do not open the appliance casing during installation or maintenance operations as it contains live parts.
- Opening the casing will cause the warranty to become null and void.
- Contact a qualified technician in case the cable or plug needs get damaged.
- Do not put the appliance in contact with liquids.
- Keep the appliance out of the reach of children.

Problem solving

If the production of ozone drops rapidly or no ozone is produced, check the tube for holes or folds and check that the aeration stone is not blocked. If the red light does not come on, try changing power socket. If it still does not work, contact the manufacturer for replacement:

Scent Company SrI - Via Sottoprovinciale 1/H 24021 Albino (BG) e-mail: info@scentcompany.it

Information relating to Art. 13 of Legislative Decree 14 March 2014, n. 49 "Actuation of the Directive 2012/19/UE on hazardous substances in electrical and electronic equipment and waste disposal.



The symbol applied to the device or to the packaging featuring a crossed-out wheeled bin indicates that the product must be collected separately from general waste at the end of its life cycle. Separate collection of such equipment at the end of their life-cycle is organized and managed by the manufacturer. The user who wishes to dispose of the equipment must contact the manufacturer and follow the system adopted by the latter for the separate collection of the equipment at the end of its life-cycle. Suitable separate collection aimed at destining the discharged equipment to recycle, treatment or compatible environmental disposal contributes to avoiding possible negative effects on environment and health, and promotes the reuse and/or recycle of the materials composing the appliance.

Abusive disposal of the product by the possessor implies the application of administrative penalties set forth by current legislation.

The Conformity Statement to Directive 2012/19/UE must be requested to Scent Company Srl











Complies to Directive 2014/30/UE



Caution: read the manual carefully before using BIO3GEN



Do not dispose of the appliance as solid household waste. Dispose of as an electric and electronic appliance using the differentiated waste collection program.



Manufacturer



The lot number is indicated after this symbol



Do not expose to humidity



Fragile



Keep upright

THE PACKAGING CONTAINS

- The BIO3GEN appliance
- two PVC tubes (length 135 cm, diam. 4 mm)
- four quartz dispensing pebbles: 2 cylindrical pebbles with a diameter of 15 mm, 1 round pebble with a diameter of 20 mm, 1 round pebble with a diameter of 28.5 mm.
- a brush for cleaning the dispensing stones
- · two wedges + screws for wall mounting.
- this user's manual
- two inter-changeable supply cables (one spiral, the other straight)
- a remote control with 2 batteries inside (CR 2025 3 V)
- 4 non-slip bases



INSTRUCTIONS FOR USE



To disinfect the air, follow the instructions marked with this symbol.



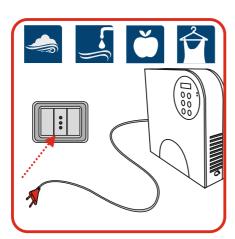
To treat drinking water, follow the instructions marked with this symbol.



To purify foods, follow the instructions marked with this symbol.



To purify objects and disinfect clothing, follow the instructions marked with this symbol.



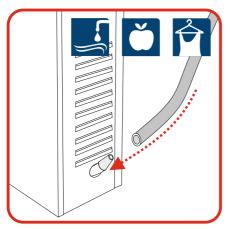
Insert the suitable supply cable in the appliance.

Connect **BIO**³**GEN** to the main electricity supply

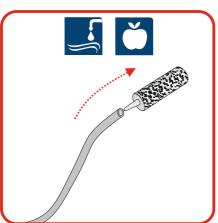


A red light will switch on next to the word POWER.

The appliance is on.



If required, connect one end of the tube to the outlet on the right side of the appliance.



If required, place the suitable dispensing stone at the other end of the tube and place it on the bottom of the basin you are using.

It is advisable to change the dispensing pebble after every 500 hours of use.



Switch the appliance on by pressing the I/O key.

The display will light up and show time $00.00\,$

B28 briefly pressing the I/O key during diffusion, ozone supply will be put on stand-by; in order to resume the supply press I/O again.

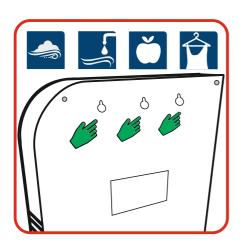
By pressing the I/O key for a longer time, the appliance switches off.



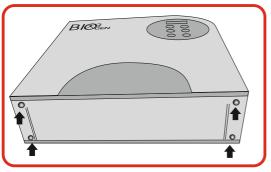
Follow the tables in the chapter "Instructions for Use" to set the treatment time by pressing the corresponding number on the keyboard.

By briefly pressing the I/O timer key, the green indicator light will switch on, the ozone supply will start and the display will start the countdown. At the end, the display will show 00.00 again and the green indicator light will switch off. The appliance is

ready for another treatment.



If the appliance is to be wall-mounted, use the dedicated slots on the back of the appliance. (the central slot or alternatively the two side slots)



For better stability place the adhesive rubber bases included in the packaging, as shown in the picture.

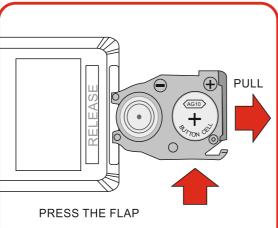
PRELIMINARY INFORMATION ABOUT THE BIO3GEN REMOTE CONTROL

The remote control provided allows you to use and program **BIO**³**GEN** from a distance.

The remote control is already provided with batteries; however, in order to use it, it is necessary to remove the insulating protection, as indicated below. For battery replacement follow the instructions provided, being careful to connect the poles correctly.



REMOVE INSULATING PROTECTION TO START USING THE REMOTE CONTROL



FOR BATTERY
REPLACEMENT, WHILE
PRESSING THE FLAP,
EXTRACT THE DRAWER AS
INDICATED IN THE
PICTURE. INSERT THE NEW
BATTERIES BEING
CAREFUL TO CONNECT
THE POLES CORRECTLY.

REMOTE CONTROL INSTRUCTIONS FOR USE



SWITCH THE APPLIANCE ON/OFF

By breifly pressing the key BIO³GEN switches on and the figures 00:00 appear on the display in green.

To switch the appliance off, press the key again.



SETTHETIME ON BIO3GEN

By pressing the key for a long time, the visible hours start flashing on the screen; you can set the time you want by using keys

By pressing the key again, the minutes start flashing: use keys to set the minutes.

Once the setup is completed, wait for 10 seconds before pressing other keys;

00:00 will appear on the screen and the time is recorded.

By briefly pressing the been key, you can view the current time.



SET AUTOMATIC ACTIVATION ON BIO3GEN and program 3 independent timers

It is possible to program the activation of BIO3GEN at three different times during the day thanks to the three independent timers that the appliance disposes of.

NOTE: the appliance switches on accordingly to the set timer **only if the device is switched off**; at the end of the programmed ozone emission, BIO3GEN automatically switches off.

By briefly pressing key \circ the sequence of the programming currently set for the three timers appears.

By pressing the key of for a long time, the first two figures on the screen will start flashing.;

By using keys + it is possible to set the hours; by briefly pressing the key , the second set of numbers start flashing; it is possible to set the minutes using the keys + .

By further briefly pressing the key it is possible to set the dispensing time: by using the keys it is possible to choose one among the 5 options (2/5/10/20/30 minutes).

By briefly pressing the key the setting of the second timer lights up, the procedure is the same as the one previously described. The third timer follows the same procedure.

Press to confirm. At the end of the procedure 00:00, appears on the screen and the set start times have been recorded.

In order to avoid each timer, set the timing through the automatic switch on procedure,--:-- will appear on the screen.

The lines -- can be selected by running through the figures with the keys + -; they are placed between 23 and 00. Press 🐧 to confirm.

If at least one of the timers is set, an orange led light switches on (it is visible only when the device is on).



SET BIO3GEN OZONE SUPPLY TIME

By pressing the key multiple times, it is possible to set the ozone supply timing by choosing one of the 5 supply options: mins. 00:02, 00:05, 00:10, 00:20, 00:30.

In order to activate the dispensing immediately, press



+

THE FIGURES INCREASE OR REDUCE DURING THE SETUP

Thanks to the safety battery included in BIO³GEN, all the setup data stays recorded, even if you disconnect the appliance from the electric socket.

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MAINTENANCE AND SAFETY

To guarantee perfect operation and a long service life, this appliance must be correctly maintained.

- At the end of each use, switch off the appliance and disconnect from the electric socket.
- Make sure that the tube is not blocked or folded.
- It is advisable to clean the dispensing stones after each use, by scrubbing gently with a brush.
- It is advisable to change the dispensing pebble after every 500 hours of use.
- The ozone dispensing tubes are made of PVC and cannot be replaced by simple plastic tubes.
- Opening the casing will cause the warranty to become null and void.

WARRANTY CONDITIONS

BIO³**GEN** is guaranteed for a period of 24 months from the date of purchase.

The warranty covers all faults or malfunctions caused by factory defects or faults and the manufacturer undertakes to replace the whole device or those parts believed to be faulty from purchase free of charge.

The warranty shall not apply for cosmetic parts and parts subject to normal wear.

The warranty does not cover the parts found to be faulty due to negligence or carelessness during use, incorrect installation or maintenance, work by unauthorised persons, transportation performed without taking adequate caution and all other circumstances not attributable to production faults.

The manufacturer declines all responsibility for any direct or indirect damage to objects or persons deriving from incorrect or improper use of the device.

BIO³**GEN** must be used observing all the precautions indicated in this manual.

