



Sanitizing and deodorizing a room in few minutes
Extending the shelf life of your food products

ZERNIKE
ALTERNATIVE HOUSEHOLD SOLUTIONS

Made in Italy

Sanitize protecting your health from chemicals by using the force of nature

Preserve the planet for your children

Ozonclean is the only room sanitization system which does **not use any chemical**, unlike all commonly used systems, included the most recent ones bearing Ecolabels.

Ozonclean is not chemical. It does not pollute and it does not pose any danger to the health of the users.

Ozonclean uses the **oxygen naturally present** in the air and turns it into a powerful sanitizing element, without releasing any toxic or dangerous residual, which could take years to be absorbed by the environment.

Protect your health and your customers and collaborators' health, choose not to expose them to chemical hazards.

SUBSTANCES	IT CAN DAMAGE
Anionic surfactants	Skin and lungs
Non-ionic surfactants	Endocrine system
Solvents	Respiratory system
Preservatives	Blood
Fragrances	Lungs and nervous system



DID YOU KNOW THAT:

“Dangerous substances — any liquid, gas or solid, potentially risky for workers' health or safety — can be found in nearly all workplaces. Health problems, caused by working with dangerous substances, range from mild eye and skin irritations to asthma, reproductive problems, birth defects and cancer. These effects may occur both after only one brief exposure or after multiple exposures, which may create an accumulation of dangerous substances inside the organism.”

(EU-OSHA - European Agency for safety and health at work)

Add value to your business

Fresh and sanitized rooms constitute an added value, a quality that gives an immediate pleasant impression on customers.

Less chemicals

You will be able to reduce the quantity of sanitizing chemical solutions, cutting costs and eliminating all the problems related to their storage.

Less costs

Ozonclean sanitizes a 25 square meters room in just 2 minutes.
You only pay the very low cost of the electric energy required.

Extend the shelf life

Ozonclean extends food products' shelf life without altering their flavour and preserving their organoleptic properties.

Less labour cost

Ozonclean is settable and works in complete autonomy.
It requires little effort by the operator, reduces time and stress.

No spare parts needed

Ozonclean machines do not have components subject to wear, therefore they do not require replacement parts or maintenance.



Why Ozonclean?

Ozonclean is the perfect solution for sanitizing rooms in an eco-friendly way. No dangerous chemicals involved for a better result, because it:

kills 99,98% of all viruses on all the surfaces inside the treated room, fabrics included.

Deodorizes the air, eliminating unpleasant persistent smell.

keeps insects away

Since many years, market has been offering ozone generating machines, but the **new Ozonclean range, entirely designed and made in Italy**, have a more advanced technology, better also than our previous models, in terms of safety and productivity.

The new Ozonclean technology is lighter, safer, easier to move, more powerful and reliable. It is the ideal system for keeping kitchens, rooms, offices, gyms, bathrooms and all usually crowded spaces hygienically safe. It is the most **innovative and ideal** solution for **extending the shelf life of food products**.

Behind our products, there is not just a simple low cost component assembler, but rather a dynamic company that **designs, patents and manufactures** professional equipment, choosing to keep its **entire production in Italy** in order to guarantee an extremely high product reliability and quality.

Some microorganisms that Ozonclean can destroy

BACTERIA

- ✓ Strep.Lactis 0'14"
- ✓ Staph.Aureus 0'10"
- ✓ Staph.Albus 0'10"
- ✓ Listeria Monocitogenes 0'11"
- ✓ Escherichia Coli 1'00"
- ✓ Salmonella Typi 3'00"
- ✓ Shigella Dissenteryae 1'00"
- Staphilococcus 10'00"

SPORE

- ✓ Pencillium Roqueforti 0'45"
- Aspergillum flavus 2'45"

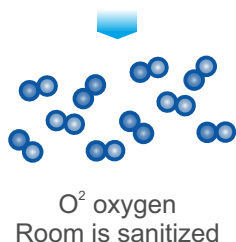
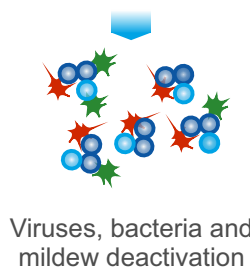
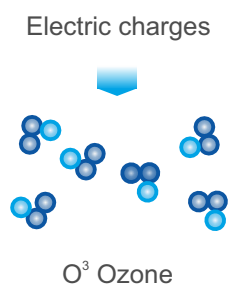
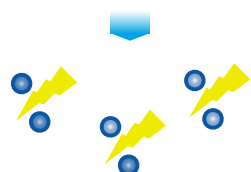
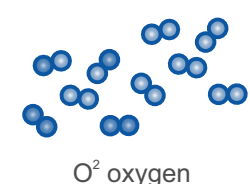
VIRUS

- ✓ Morbo del Legionario 19'
- ✓ Influenza 0'10"
- ✓ Batteriofagi (E.Coli) 0'10"



Ozone: the power is in the air

Ozone, a molecule constituted by 3 oxygen atoms (O_3), is a gas naturally formed in the stratosphere and concentrated at about 25 km above sea level. Ozone is essential for life on Earth: it protects our planet from more than 90% of UV radiations and keeps the atmosphere clean from pollutants. Near the Earth's surface, ozone is at minimum detectable levels.



How Ozonclean transforms oxygen into the most powerful sanitizing product

Ozone generation

Ozonclean uses the oxygen present in a room. It filters the air with a fan and conveys it through the machine, where an electronic system creates the “crown effect” which breaks the oxygen molecules into single atoms.

The single oxygen atom naturally joins the free molecule forming an ozone molecule. In this way, Ozonclean can generate a **quantity of ozone sufficient to saturate a room in just few minutes.**

Sanitization and deodorization

Ozone is a natural gas with a very strong oxidizing power, able to **destroy viruses, eliminate bacteria, fungus, mildew and keep insects** and other undesirable creatures like **mites** away. Besides, performing a deep sanitization, Ozonclean **destroys odour particles**, keeping rooms fresh and odour free.

No residuals

Ozone is an unstable gas and therefore it must be generated on the spot and cannot be stored. Due to its instability, the oxygen atom detaches in few minutes from the molecule and becomes oxidized, leaving the **oxygen as the only residual in the environment.**

400E

Easy to move

Thanks to the practical handle.
Very compact structure. It weighs
only 9 Kg.

Easy to use

You just need to set the control unit at the
first use after, that it will function
automatically.

5 automatic pre-set programs plus the
possibility to create customised programs.

Powerful stream

It generates 4 gr/h ozone.
It sanitizes rooms in few minutes.

Robust

Stainless steel structure.
Durable and resistant.



made in Italy
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DIMENSION	480x180x345 mm
WEIGHT	9 Kg
POWER	400W - 230 V 50 Hz
PRODUCTION	4 gr/h

FEATURES:

- Movable model

IDEAL FOR:

Sanitizing rooms up to 200 m³*

Deodorizing rooms up to 600 m³*

Hotel rooms, restaurant kitchens, meeting rooms, small meat-
fish- cold cuts and pastry shops, changing
rooms, luxury locations after catering service.

800E



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Powerful stream

Generates 6 gr/h ozone.

DIMENSION	750x220x300h mm
WEIGHT	16 Kg
POWER	600W - 230 V 50 Hz
PRODUCTION	6 gr/h

FEATURES:

- Movable model

IDEAL FOR:

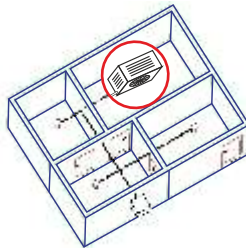
Sanitizing rooms up to 500 m³*

Deodorizing rooms up to 1500 m³*

Large public rooms, food storage rooms, food processing facilities during pauses.

Practical

Equipped with wheels
for easy movements.



Innovative

2 rooms of different size can be treated independently by one single machine.



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BIGAIR

DIMENSION	660x440x1400h mm
WEIGHT	95 Kg
POWER	750W - 850W - 950W
PRODUCTION	8 - 16 - 24 gr/h

FEATURES::

- Equipped with wheels
- Equipped with multiple diffusers
- Available in 3 sizes
- Remote control
- Connectable to the pipes/hoses for treating adjacent rooms

IDEAL FOR:

Food processing facilities, cold rooms for food storage, maturation and preservation silos, cisterns.

Sanitizing food products extending their shelf life.

BIGAIR requires a prior visit of the rooms.

Ozonclean vs chlorine sanitizers

SUBSTANCE	REDOX POWER
Ozone (O ³)	2,07
Chlorine (Cl)	1,36

Ozone is a molecule with a remarkably higher oxidizing power than chlorine, which is commonly used as a component for sanitizing products.

Ozone is able to oxidize and deactivate several organic compounds (phenol, benzene, trihalomethane, pesticides), as well as inorganic ones (cyanide, sulphites, nitrites) and biomolecules.

Ozonclean complies with the current CEE directives and it is essential for complying with H.A.C.C.P. – Law 155/97

ACTION	OZONE	CLHORINE
Odour	N/A	Unpleasant in water
Taste	N/A	Unpleasant in water
Color	N/A	Yellowish
Power	Only inferior to fluorine	Good oxidant
Antiviral activity	High	Almost none
Antibacterial activity	Very ample spectrum	Varies from type to type
Anthelmintic activity	High	Low
Anti-algae and antiprotozoal activity	High	Low
Antifungal activity	High	Low
Anti-spore and anti-cyst activity	High	Low
Anti-micro pollutants activity: phenol, detergents, colours, pesticides	High	From none to low
Action on unpleasant organic molecules: odours and flavours	High	None

“Unlike traditional disinfectants, (e.g. chlorine) which release pollutants, ozone degrades into oxygen; this may represent an advantage for the environment and for the health, with no collateral effects.”

CNSA – Comitato nazionale per la
Sicurezza alimentare



European community : In Europe the use of ozone for food disinfection and sterilization was introduced in 2003. 2003/40/CE EFSA commission directive of the 16th May 2003.



Italy : The Ministry of Health on the 31st July 1996, with protocol n° 24482, approved the use of ozone for air and water treatment as a common method to sanitize spaces contaminated by bacteria, viruses, spores, mildew and mites.



USA: On an international level, the United States F.D.A. authorised the use of ozone in 2001, defining it a valid «GRAS» (Generally recognized as Safe) method.

BIGWATER

Easy

With just two buttons to set the diluted ozone quantity for a better sanitization without energy waste.

Safe

The ozone production stops automatically if water or electricity supply are not sufficient.



Practical

Equipped with wheels for easy movements.

DIMENSION	440x1100x1200 mm
WEIGHT	160 Kg
POWER	2Kw - 230 V 50 Hz
PRODUCTION	16 gr/h
WATER FLOW	20 – 90 L/min.
OZONE CONCENTRATION	2 – 5 ppm



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FEATURE:

- Connectable to the hydraulic system
- It generates ozonised water from 2 to 5 ppm (20-90 litres per minute)
- The ozone production stops automatically if water or electricity supply is not sufficient

IDEAL FOR:

Normal cleaning and sanitizing procedures. Treatment of food processing lines and facilities, communal bathrooms and showers.

Washing and sanitizing food extending their shelf life.

Discover the advantages Ozonclean can give to your business



STRENGTHS:

The sanitization
process involves all
surfaces inside the
treated room,
including fabrics such
as curtains,
mattresses, duvets
and sofas

Kills mites

Destroys any latent
and musty smell

TOURIST SECTOR

**Hotels, Resorts, Farm stays, B&B, Spa resorts, Holiday villages,
Cruise boats**

In the hotel business, a perfect hygiene is the first thing visitors notice and expect, when entering their rooms or bathrooms.

Ozonclean allows you to offer a constant and perfect level of room sanitization and thus getting an **immediate positive impact on your customers**. Keeping the air inside your rooms always fresh, clean and free of odours (such as smoke or other musty smells) left by previous visitors, is a detail that needs to be considered. Your customers will have the impression no one has ever stayed in that room before them.

A fresh and sanitized room is a **positive feature you can offer to your customers without spending much money and time**. Improving your visitors' comfort is the best advertising for your business.

Guarantees the compliance with H.A.C.C.P. regulations

For the advantages Ozonclean can give to your business



STRENGTHS:

Extends food shelf life

x
Reduces food waste

x
Keeps rooms and
surfaces sanitized at
all time

x
Guarantees full
compliance with
HACCP norms,
avoiding the risk of
incurring in costly
sanctions

FOOD SECTOR

Food industries, Bakery, Pastry shops, Ice cream shops, Butcher shops, Cold rooms, Boats for food transport, Wine sector, Refrigerated transport system, Animal husbandry

Keeping a high level of food preservation throughout all the production chain is often very difficult.

The first problem is **preventing the crops from being contaminated by insects carrying viruses or harmful diseases easily transmissible to man.**

If used regularly inside your facilities, Ozonclean easily keeps away rodents, roaches, earwigs, ants, cockroaches, spiders, etc. **You will fully comply with rooms hygiene standards at no labour or maintenance costs and will not have to worry, in case of inspections by hygiene authorities.**



Discover Ozoncle

STRENGTHS:

Does not use
traditional chemical
sanitizing products

x

Guarantees a
considerable cost
reduction

x

Does not harm the
environment and
does not produce
chemical residuals

x

Saves you time and
money and you do
not have to worry in
case of inspections by
hygienic authorities

PUBLIC SECTOR

Schools, Libraries, Cinemas and theatres, Clubs, Offices, Shopping centres, Public transports, Train wagons, Banks, Sport centres, Swimming pools, Beauty centres, Public toilets, Shops and locals, Smoking areas, Car dealers

In crowded, often closed, scarcely ventilated public areas, viruses, bacteria and allergens find the best conditions to proliferate.

Ozonclean quickly decontaminates any surface. **Its action reaches all those hard-to-clean hidden spots**, where microorganisms and bacteria grow and multiply. An example: in public places, **the air conditioners ventilation channels are often the main vehicle for diseases diffusion.**

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STRENGTHS:

It is a safe, natural gas

It is not flammable
nor explosive

It is more reactive
than chlorine

It destroys 99,98% of
viruses and bacteria

HEALTHCARE SECTOR

Hospitals, Ambulances, Dental and medical practices, Veterinary practices, Waiting rooms, Nursing homes and clinics, Healthcare spaces in general

Ozonclean is the only system for the sanitization of rooms in healthcare facilities, with no risk for humans and no contraindications.

Unlike chlorine, which has an high antibacterial power, but is not able to destroy any kind of microorganism, the ozone sterilizes the air eliminating viruses, mildew, fungi, etc. It can be used **on any surface and electronic equipment**. In addition, unlike chlorine, it does not require specific precautions.



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