

Ozone system for treatment of

EXTRACTION HOOD



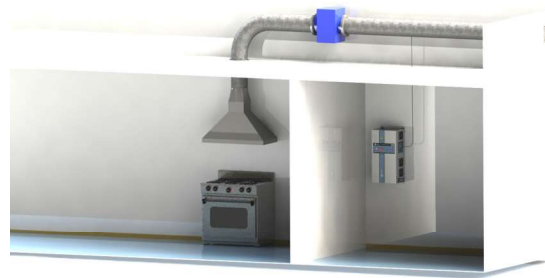
Para reducir malos olores

Ozone system for kitchen exhaust hood \ UP TO 20.000 M3H

Ozone treatment to eliminate the bad smells that coming from kitchen exhaust hoods.
Suitable for deodorize the gases extracted from the kitchen of restaurants, bars and alimentary industries.
Suitable for hoods up to 20.000 m³/h.

Benefits of treatment

• Reduction of bad smells
• Reduction of VOC's
• Automatic treatment without labour
• Without the need of store or manipulate chemicals
• Low power consumption



ZonoSistem has designed an ozone system for the elimination of smells that coming from the kitchens and restaurants exhaust hoods. The equipment works in continuous if and when the hood is activated. It is necessary prepare the start up electrically.

Standard equipment

Ozone generator	● Included
Ozone injector	● Included
2 meters of teflon tube	● Included



Optional equipment

Optional equipment	Ref. order
Teflon tube 8 mm	COMTUBOS.0010
Refrigerator dryer	COMSECAD.0006

Select your model based on the hood flow.

Models	GZ1 -E	GZ2 -E	GZ3 -E	GZ7 -E	GZO12-ES	GZO20-ES
Flow to treat	< 1.000 m ³ /h	< 2.000 m ³ /h	< 3.000 m ³ /h	< 7.000 m ³ /h	< 12.000 m ³ /h	< 20.000 m ³ /h
Ozone production	1 g O ₃ /h	2 g O ₃ /h	3 g O ₃ /h	7 g O ₃ /h	12 g O ₃ /h	20 g O ₃ /h
Power supply	230V, 50-60 Hz	230V, 50-60 Hz	230V, 50-60 Hz	230V, 50-60 Hz	230V, 50 Hz	230V, 50 Hz
Power consumed	80 W	130 W	160 W	500 W	550 W	570 W
Ø Hydraulic connections	Tube 8 mm	Tube 8 mm	Tube 8 mm	Tube 8 mm	Tube 8 mm	Tube 8 mm
Size A x B x C cm	31 x 24 x 16	40 x 30 x 20	40 x 30 x 20	80 x 40 x 25	85 x 45 x 25	85 x 45 x 25
Reference order	5201.0001	5201.0002	5201.0003	5201.0004	5201.0005	5201.0006

With ozone generation technology with air-cooled borosilicate dielectric.

To work in normal conditions of room temperature 5-35 °C and relative humidity <70%.

For more information about the equipment, see the *Product Catalog*. The equipment requires a maintenance plan.



Customized offer...

ZonoSistem is specialised in complex air treatments for every type of flows. Ask for your customized project:

proyectos@zonosistem.com Tlf.: (+34) 956854783

Installation Diagram

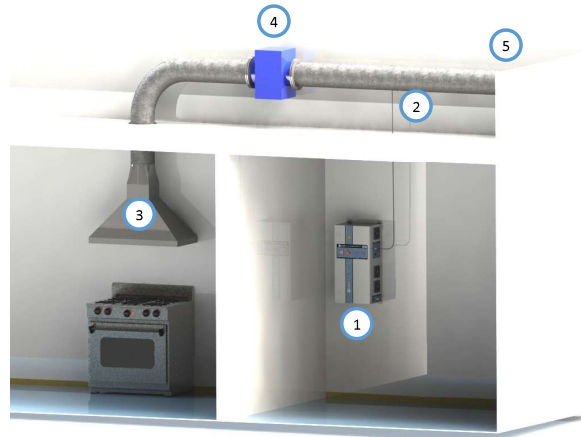
We hand over an installation and electric and pneumatic connections manual

1. Ozone generator

Responsible for produce the ozone from ambient air. Do not install inside the kitchen.

2. Injector

Accessories for inject the ozone in the chamber, generally is injected in the vent pipe in the upper part.



3. Fats filter

Projects the fumes and restrains the fats and the heaviest solids.

4. Electrostatic filter

It's necessary the instalation of an electrostatic filter previous to the ozonization in order to restrain the máximum amount of

5. Output conduct

The bigger the ventilation pipe will be the better the treatment efficacy will be.

Control

The equipment works in continuous if and when the hood is activated.

Generally the start and the stop of the system is prepared electrically in the moment of the installation.

Treatment details

How is the treatment done?	<ol style="list-style-type: none"> 1. The treatment is automatic: the ozone is channeled and injected in the ventilation tube. 2. The injection is realised after the electrostatic filter. 3. The ozone is mixed with the air flow, oxidising the organic load and the bad smells. 4. The ozone is transformed again into oxygen, after realise its function.
Treatment effects	- Reduction of bad smells. Reduction of VOC's.
Requirements	<ul style="list-style-type: none"> - Realise technical & viability study. Complete the treatment data sheet. - The equipment must start and stop at the same time than the extraction motor. Prepare electrically. - The extraction must have install an electrostatic filter to reduce the fumes, and a pipe at least 4 meters long.

Why the ozone eliminates smells from the kitchens?

The smells, are compounds generally organic that are originated when the foods are cooked. The ozone is a gas that has the capacity of oxidise and reduce this organic compound, transforms it in derivatives degraded that generally lose the smell. In other words, the ozone degrades the smells, doesn't cover it up. To get it only it's need put in contact the ozone with this compounds. The kitchen extraction pipe is the perfect place, because we have all the compounds channel and it's just where we going to inject the ozone gas in order to react with every posible compound and degrade it.

How the ozone is controlled?

The ozone is injected in the kitchen extraction tube in continuous. The only necessary control is make than the equipment generates ozone if and when the hood are turned on.

Our experience at your service

ZonoSistem has a large number of customers that use this ozone system for exhaust hoods and works directly with the main hoods manufactures.

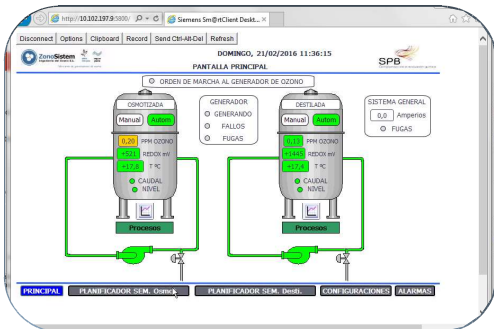
A powerful deodorizer

The ozone is generated in situ and applied instantly, it does not need to be storaged or manipulated. It is applied in a totally automatic way without the need of spend labour or paralise the production process.

After realise its function it's descomposed in oxygen again, it does not accumulate and has a low residual effect.

The society tends to improve its process reducing the impact against the environment.

With the ozone this is possible.



Why buy ZonoSistem brand?

ZonoSistem is a consolidated and reliable company, with 12 years of experience, specialized in manufacturing and development of ozone generating systems. A leading company at a national level, very competitive, organized and optimized, which is committed to improve continuous quality in all its works areas. Moreover, ZonoSistem is a founding member of EUOTA, owner of a dossier of active substance delivered to ECHA, in accordance with the legal requirements demanded by the corresponding biocidal directive.

Where can I buy ZonoSistem products?

You can buy it directly in the factory, however we recommend buying the equipment from the nearest official distributor in your area, so that the technical and commercial support is as fast and efficient as possible. The price is the same. ZonoSistem has official distributors practically in all the national territory and outside Spain.

Who can install the ZonoSistem products?

Most of equipments can be installed by independent installers. However we recommend that the equipment start-up be made by a technician authorized by ZonoSistem.

Who gives the guarantees?

Equipment Guarantee:

ZonoSistem guarantees its equipment for 2 years. If the purchase was made through an official distributor, this one will perform the repairs under warranty. If you purchased it directly from the factory, ZonoSistem will provide the service directly.

Treatment guarantee:

ZonoSistem guarantees its treatments as long as the commissioning has been carried out by the factory or by one of its official distributors.





Engineering, designing & manufacturing services

To develop and manufacture the solution that suits your needs

We can design

- Customized Ozone Generators.
- Customized ozonization plants.
- Integration of our equipment in water treatment plants and other systems.
- Last generation automation, remote control, data logging, etc.
- We handle every instrumentation for water and air.



Laboratory services

To study your water, perform tests and find out the amount of ozone needed

We can study

- Reduction of COD, turbidity, color or odor.
- Reduction of heavy metals, SS, SD.
- Variations as a function of temperature, pH, etc.
- Calculate applied and consumed ozone rates.
- We deliver a final report with the results obtained.



Installation & start-up services

To installed and configured your system perfectly

We can carry out

- Installation of tubes, electricity and pneumatics.
- Installation of equipment and accessories.
- Configuration of systems and automatisms.
- Start-up and verification of the operation of the equipment.
- Start-up report.



Maintenance & repair services

To keep your system in perfect condition for long years

We do

- Preventive maintenance of all our systems.
- We have stock of all necessary spare parts.
- Repair in case of damage, in our factory or in situ.
- Telephone assistance in case of breakdown.
- Urgent repair service.

Founding member

