



AIRO2 - AIR SANITIZER

A Product from CLO2TECH Ltd, A company that specializes in finding solutions for creating cleaner and healthier air, by using advanced technologies.

AIRO2 disinfects and purifies the air, by destroying 99.9% of the bacteria, fungi and molds in enclosed spaces.

Airo2 creates a healthier environment

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When we stay in a polluted and non-disinfected space we are exposed to:



viruses and bacteria

In any closed space that is not disinfected, the moisture in the air causes the development of bacteria that we are forced to breathe. The conditions that were identified as causing aerial infection in enclosed spaces include a long and multi-participant staying in a space that is not ventilated and purified, while carrying out increased virus-producing activities such as exercising, singing, and even speaking and passive breathing. Staying in those shared spaces increases the level of exposure to a variety of bacteria and viruses, which are scattered in the same space, and thus also increases the risk of contracting infectious diseases.



Fungi and molds

Mold is a health hazard that maintains a low profile and turns apartments and offices into "sick homes", without their users being aware of what hurts them. The mold releases "clouds" of microscopic spores that cause a wide range of medical conditions - from chronic diseases to fatal diseases. Employees in offices where the mold thrives in the air conditioning system suffer from headaches and other side effects that are hard to define and originate in an atmosphere rich in toxic spores.



Unpleasant odors

The primary source of unpleasant odors is the accumulation of bacteria or a culture of micro-bacteria which spread a foul odor. Shared places are the trash can, The dog's lair, cat litter box, cigarette smell, rot, dirty laundry, and used shoes. These factors and many others give those living in enclosed spaces a feeling of suffocation if the place is not ventilated and disinfected.

Your health is important to us



AIRO2

The universal answer to disinfecting air in closed spaces.

After extensive laboratory tests and lots of market research, we are pleased to introduce to you the AIRO2, A user-safe solution designed to create a healthier and greener environment.



Advantages of the product:

- Destroys 99.9% of bacteria, fungi, and molds.
- Reduces the effect of allergens, such as herbal powders.
- Protection against pathogens of infectious diseases.
- Disinfects rooms to prevent the spread of various bacteria and viruses.
- Removes foul odors such as mold, debris, and cigarettes.
- Removes odor from pet secretions.
- Safe to use - non-toxic, harmless to humans and animals.
- Disinfects and cleanses the air conditioner of bacteria, fungi, and molds.



Safe for use.



Exterminates 99.9% of the bacteria, fungi and molds.



Environment friendly

- ✓ Easy installation
- ✓ simple and quick operation
- ✓ odorless
- ✓ operates silently
- ✓ no electricity required



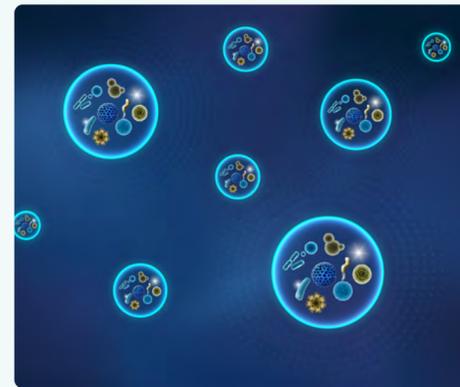
Our technology - ClO₂

ClO₂ - the use of chlorine dioxide

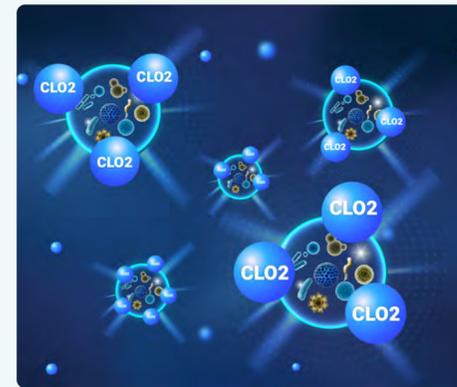


How does it work?

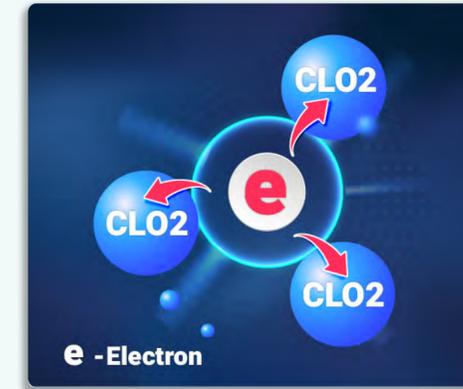
The tiny chlorine dioxide particles spread throughout the room, carried by a stream of air coming out of the air conditioner. Thus, they disinfect the environment, causing the extermination of all the harmful organisms present in the air and thus also suppressing unpleasant odors.



Viruses and spores floating in the air



The chlorine dioxide molecules aggressively attack the organic matter floating in the air.



It extracts electrons from the material and changes the molecular structure of the target.



Viruses, molds, and unpleasant odors dissipate and disappear following the decomposition of the organic matter.

Advantages

- 263% more potent than chlorine
- Two times faster than alcohol
- Without side effects
- Organisms do not develop resistance
- Economical advantage
- Nontoxic
- Long shelf life

How does the material integrate into the product?

Each AIRO₂ device is equipped with an amount of material that contains chlorine dioxide (ClO₂). The amount of material is determined by the space volume, in order to have effective and efficient disinfecting and purifying of the space.



Safe for use

Chlorine dioxide is used and approved, among other things, for water disinfection; it destroys viruses and bacteria without toxic by-products and is approved for disinfection of food products.

Fast and easy to use



The device is delivered with an adjusted amount of material.

The AIRO2 box is carefully designed with vents, that enable the distribution of the material in space of the room, is supplied in sachets of ClO₂ wrapped in aluminum; the number of bags in the package is determined according to the volume of space we want to disinfect and purify.



Put the material into the AIRO2 box

Cut the top of the aluminum cover, Remove the sachet with the ClO₂ pellets from it, Put the bags with the balls in the box, **A sealed aluminum bag is valid for two years.**



Attach it to one of the air vents of the air conditioner

Look for a place next to one of the air vents of the air conditioner, Attach the box to one of the air vents of the air conditioner. Glue with double-sided glue sticker on the back of the box, Attach the other side of the sticker to the vent opening.

The bags of material have an effective life span of two months.

The tiny chlorine dioxide particles spread throughout the room thanks to a stream of air coming out of the air conditioner and thus they disinfect the environment, causing the extermination of all harmful organisms present in the air and thus also eliminating unpleasant odors.

AIRO²

AIR SANITIZER



The package includes

- ✓ An AIRO2 box
- ✓ Material bags
- ✓ AIR-SANITIZER window sticker
- ✓ Tracking sticker and replacement times
- ✓ Double sided adhesive

A variety of cases





Hospitals



Residential buildings



gyms



Shops and restaurants



Educational Institutions



Offices



Hotels and guest houses



Waiting rooms

*Wherever you are
AIRO2 is suitable for all enclosed spaces*



A safe environment for your customers

Tell your customers that the air quality in the room space is healthier and better from now on. Tell them that you are using a device for disinfecting and purifying the air in a natural and ecological material.



Effectiveness test

Test conditions

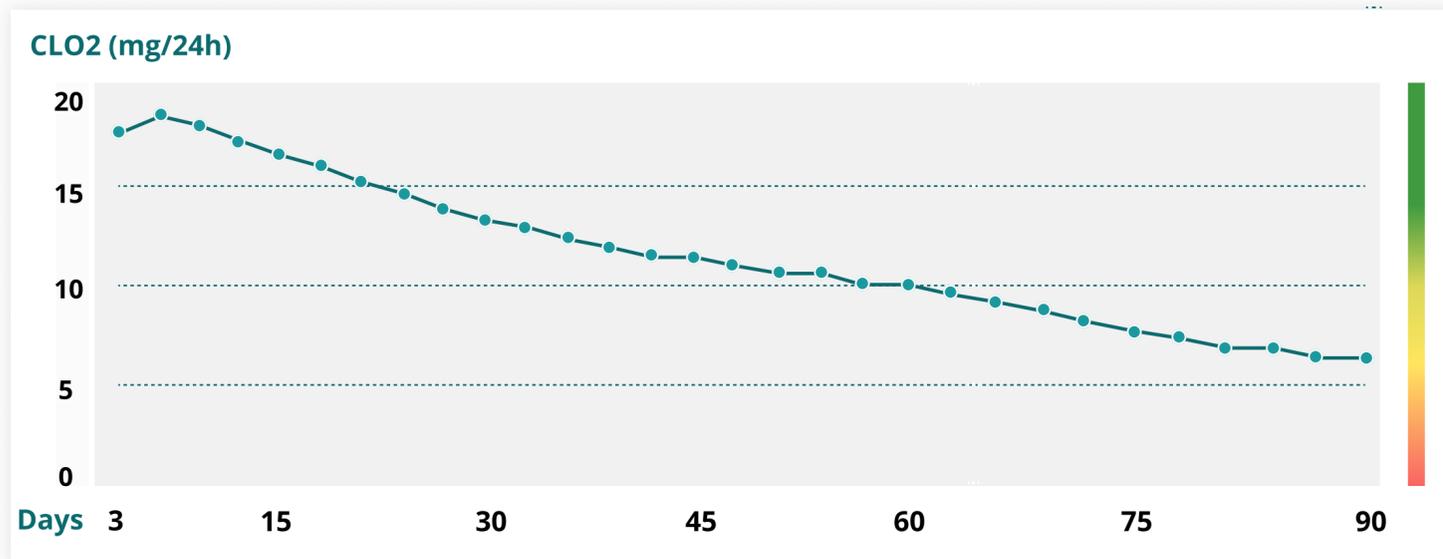
- ✓ Space volume - 10L
- ✓ Air humidity in the room - 55%
- ✓ Room temperature - 25° (degrees Celsius)
- ✓ Experiment duration - 90 days

Method of testing

- 1 An AIRO2 Air Sanitizer package placed in a hermetic 10 liter plastic container
- 2 After 24 hours, we conducted a daily check to detect chlorine dioxide in the treated air space.

Findings of the tests:

Chlorine dioxide ClO2 does not accumulate in the air, it spreads continuously, but its short life span allows for continuous spreading in the air without causing saturation.



Efficiency test

We conducted laboratory tests in co-operation with the Ministry of Agriculture and Urban Development for the AIRO2 AIR SANITIZER to check the product quality and efficiency indoors. The results were impressive and unequivocal.

Test conditions

- ✓ The room area 22M² (square meters)
- ✓ Room volume - 68M³ (cubic meters)
- ✓ Air humidity in the room - 55%
- ✓ Room temperature - 25° (degrees Celsius)
- ✓ The room was equipped with an air conditioning system

How to test

- 1 The test was done in a very polluted environment, which included mold, bacteria, and a variety of fungi types
- 2 Three Petri dishes (Fig. A) were placed for four hours in different places in the room and sealed in an incubator after that.
- 3 The AIRO2 box, equipped with 40 grams of ClO2 material, was placed in a ventilated room for ten days.
- 4 Three new Petri dishes (Fig. B) were placed for four hours in different places in the room and sealed in an incubator after that.





Testing volatile organic compounds – VOC

Our product AIRO2 is part of an on-going inspection by European health institutions. The product is used in specific areas and spaces that are exposed to viruses and bacteria, and nosocomial infections. The use of corona wards in French institutions that are pioneers in the war against disease. Our company performed a number of VOC tests with Abiolab Laboratories to evaluate the effectiveness of the product.

Average of the results of the findings in enclosed spaces after ten days of treatment with an AIRO2 SANITIZER device.

Testing VOC/COV :

CO2 less than 300 PPM per cubic meter.

Environment's air Quality test:

Biology - less than 1 (excellent)
Mycology - less than 1 (excellent)

Test results

The external air (in an open space) contains 400 PPM per cubic meter of CO2, and it is considered clean air.

If we take into account the low level of CO2 that exists in the treated and protected areas by AIRO2, we may find that the air in the institutions treated by AIRO2 is cleaner than open space air.



ClO2 (Chloride dioxide) is effective against viruses

researches show that viruses can stay in the air for a few hours. Scientists consider these viruses to be the least resistant group of microorganisms to disinfect by ClO2.



ClO2 (Chloride dioxide) is one of the best disinfectants

The USA's Environment Protecting Agency (EPA) published a list of disinfecting agents that may be used against viruses.

ClO2 was recommended as one of the best effective disinfectants.



CLO2TECH LTD

Specialized in the disinfection and purification of air in enclosed spaces. By using advanced technologies, we have developed a variety of solutions for creating disinfected and healthy air. We take care of your air quality.

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