

INSTRUCTIONS MANUAL

Air purifier with Plasma Ionizer CDP050

Model number CDP050

Function

Plasma function

This advanced plasma air sterilizer has six key advantages:

1. **High effectiveness in virus elimination:** The plasma sterilizer is more effective than UV sterilizers, and the time of performance is shorter.
2. **Environmental protection:** The plasma sterilizer works continuously, it does not generate UV or ozone, so it will not generate secondary pollution. It can be used in the room with people.
3. **Efficient degradation:** When it sanitizes air, the plasma sterilizer also breaks down toxic and harmful air. China's Centers for Disease Control and Prevention states in its report that this purifier can degrade 91% formaldehyde, 93% benzene, 78% ammonia and 96% dimethylbenzene in 24 hours. In addition, it can efficiently eliminate smoke and other pollutants.
4. **Low consumption:** Plasma sterilizer power consumption is 1/3 compared to a redistributed air UV sterilizer, saving a lot of energy.
5. **Long use life:** Under normal operation, the plasma sterilizer has a use life of 15 years.
6. **No consumables.**

Applications: Indicated by the manufacturer to sanitize professional and home environments: offices, meeting rooms, changing rooms, private garages, basements, spaces with charged environment (smoke, odors, low ventilation, etc.), sanitary type spaces where a sanitized environment is required (health centers, waiting rooms, doctor's office, etc.).

Ozone function

- Ozone can improve indoor air quality, kill bacteria, eliminate unpleasant odors. It can also be used to deodorize a fridge or freezer effectively.
- Ozone dissolved in water (ozonized water) has many disinfection and hygiene applications such as washing, bathing, disinfecting food by extending its shelf life, sterilizing oral hygiene household products, or similar.

Description:

Technical features:

VOLTAGE	220~240V/50-60Hz 100~120V/60Hz
POWER	16W
OZONE OUTPUT	400mg/h
PLASMA OUTPUT	6x10 pcs/cm ³
DIMENSIONS	360x260x93mm
NET WEIGHT	1,60Kg.

Name of components and parts



Operation:

- When connected to a power source, the display turns on.
- Press the "**ozone**" button and the "**plasma**" button to set the operating time for ozone and plasma.
- Press "+" or "-" to adjust the ozone and plasma uptime.
- If you want to turn off the machine, simply press the "**ozone**" button and the "**plasma**" button.
- The remote control has the same functions.
- Connect the tube to the side outlet of the equipment only if you want to ozonize objects or water. Then place the air ball inside a container with water, to release the ozone inside.
- For the environmental ozonizing of a room, it is not necessary to use the tube.

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PURIFIER APPLICATIONS: PLASMA AND OZONE FUNCTIONS

Area of Application	Plasma timer Compatible with people in the room	Ozone Timer: Important to use without people in the room	Benefits of Plasma and Ozone
Sanitize and disinfect a room up to 50 m ²	20 - 120 min.	20 min.	<p>Disinfection. Ozone disinfection is very effective as it eliminates bacteria, germs, fungi and other microorganisms, such as coronavirus. Slows down its growth and removes possible dirt.</p> <p>Deodorization. These molecules are also capable of removing odors such as those caused by fish.</p> <p>Eliminate smoke and dust particles, break down harmful substances, keep air fresh.</p> <p>Ozone and plasma have fungicide properties and can destroy all kinds of toxins, bacteria and viruses present in an environment, purifying the air with each application.</p>
Bathroom	10 – 30 min.	10 min.	Eliminate peculiar smells in the bathroom, garage and basement.
Pets and trash	15 - 50 min.	15 min.	<ol style="list-style-type: none"> 1. Effectively deodorize and sterilize pet area. 2. Keep mosquitoes, flies, black beetles and other insects away from trash.
Dressing room, clothing and shoes	10-20 min.	10 min.	Sneakers and leather shoes often have strong odor and bacteria, or epiphytes and mold. Plasma and ozone can prevent this.

New home with decoration	20-120 min.	20-30 min.	Breaking down harmful gas, such as formaldehyde, which is released from furniture and walls, and which may take a long time to disappear.
Inside a vehicle	20 – 40 min	10-20 min	Eliminate smoke and dust particles, break down harmful substances, eliminate all kinds of odors and keep air fresh.
Sterilization of non-organic items: Masks , clothing, cooking utensils, pacifiers, bottles, toothbrushes, etc.	NA	5-10 min	<p>Ozone has fungicide properties and is capable of destroying all kinds of toxins, bacteria and viruses — such as Covid-19.</p> <p>Because it is a gas, it can reach any area.</p> <p>To apply this function we must insert the items to be treated in a closed bag or container, inserting the ball at the end of the tube, and then closing the bag or container as tightly as possible. The tube connected to the machine will inject the ozone into the container and the gas will completely disinfect all the elements inside. It is recommended to use the sanitized items 20 minutes after this application.</p>
Ozonizing water or products in liquid medium: Volume of 1 and 10 liters.	NA	10-20 min	<p>Treatments such as ozone can also be applied in water, without interfering with pH, thus preventing the aggression of other chemicals such as chlorine or bleach without diminishing the hygiene and disinfection capacity.</p> <p>Ozonized water has a hygienic purpose. Ozone eliminates 99.9% of bacteria, viruses and pesticide residues in fruits and vegetables, hormones and antibiotics in meat, etc., thus extending the shelf life of fresh produce for a longer period of time (+ 30%).</p>

			<p>Ozone disinfects, however, it does not affect the material on which it is applied while maintaining its properties.</p> <p>Ozonized water can also be used to wash our bodies, bathe pets, or scrub/clean surfaces where you want to remove odors and disinfect without the need for long-term toxic chemical additives.</p> <p>Ozone is an unstable molecule that quickly reverts to biatomical oxygen. The average life (time when half the ozone in the air breaks down) is 20-60 minutes, depending on the quality, temperature and humidity of the air.</p> <p>The average life in water is approximately the same, although it depends equally on temperature, pH and water quality.</p> <p>The main advantages of ozone in water are:</p> <ul style="list-style-type: none">• Eliminates the smells and flavors from water.• Does not leave residues.• Supports other treatments.• Does not affect pH.• Does not change the color of water.
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Warnings

Safety notes

1. Disconnect it from the power source to clean it or when you don't want to use it.
2. Please do not use it in an environment with high temperatures (more than 42° C), places with high humidity or high oil content. These environments can reduce the efficiency of the appliance or shorten its lifespan.
3. Never drop it or hit the unit.
4. Never block the air outlet, this could affect air ventilation.
5. Do not put your eyes or respiratory system in contact with the air outlet.
6. **VERY IMPORTANT:** When the OZONE generator function is in use to sterilize air in an unventilated room, please leave the room during the process and return to the room after 30-40 minutes after it has finished.

Troubleshooting

If you encounter any of these issues, please try to fix them as suggested next:

Problem	Analysis	Solution
No air coming out of the air outlet ball	Check for leaks in the air tube	Try fixing the tube or replacing it with a new one
	Check if the air ball is blocked	Replace it with a new one
The air comes out but without ozone	The ozone generator fails	Contact the manufacturer or distributor
The power indicator is off	It is connected incorrectly	Plug it back in or switch it to another plug
A strange noise is heard when in use	Very little water	Fill the water. Ozone may be easier to dissolve in water, when the amount of water is 20-40cm. It has a better sterilization effect.
	Vibrates on the table	Change it to a stable table.

Remarks: Please contact the dealer or representative in case of other problems.



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Notification:

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