

OZONATOR

Highly-efficient, reliable, and compact



OPERATING MANUAL



Plot No 34, bhavana enclave,
Phase III, New Bowenpally,
Secunderabad, Telangana.

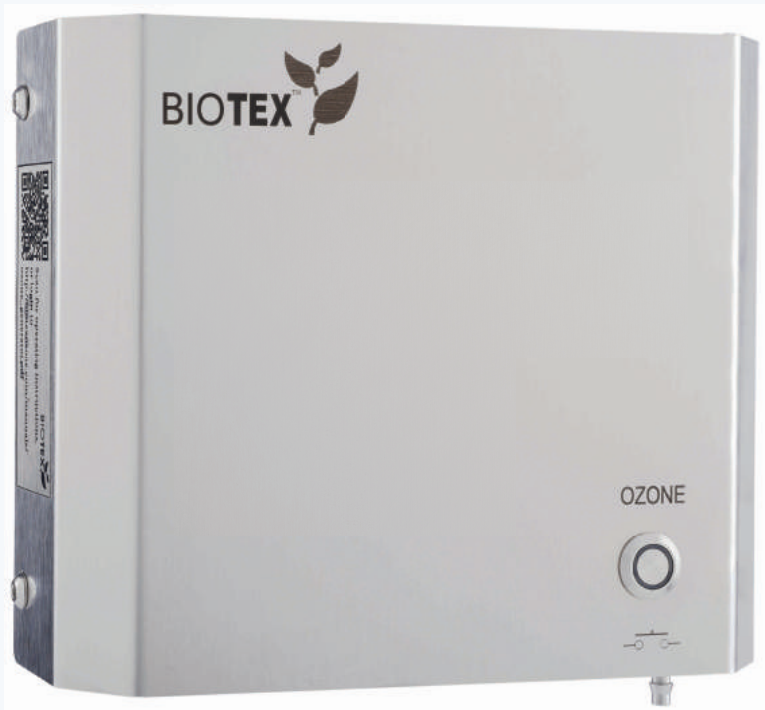


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OZONATOR



Installation & Operation Manual

(B-OG-RH-02)



THE BIOTEX OZONATOR

Thank you for your purchase of this fine instrument designed to help you use OZONATION of your water , vegetables , fruits and for a multitude of applications at your home, office, and other work areas.

While using this instrument - which is a highly durable, light weight and portable one following certain simple protocols as listed in the following pages will help a great deal in deriving the optimal performance from the instrument as well as extend its working life thus giving you maximum benefits and a trouble and maintenance free operation.

At BIOTEX we take pride in our customer service and should you have any queries on the product do kindly get in touch with us at the address and/or telephone numbers listed below and we shall be happy to be of immediate assistance in addressing the same.

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1.0 THE OZONATOR- OPERATING PRINCIPLE

This is a mini ozonator which produces ozone taking in atmospheric air as the input feed.

The air sucked in through a mini air pump is fed to a corona discharge tube and the oxygen content in the air is cracked to produce ozone.

2.0 WORKING WITH OZONE

Ozone is also called TRIATOMIC OXYGEN (O_3) and is a powerful eliminator of almost all bacteria, virus and fungi.

Ozone is also a powerful destructor of all dissolved organic solvents.

Ozone has a half life of approx. 25 minutes at a temperature of 25 deg C.

Ozone does its job quick and then converts back into the safe form of Oxygen(O_2)

While Ozone as such delivers powerful benefits one has to be a little cautious while working with Ozone.

Inhalation of the dry Ozone Gas is NOT RECOMMENDED and is to be avoided as such inhalations may cause irritation in the eyes, skin and induce coughing.

It is especially harmful for Asthmatics or people with any form of Pulmonary disease to be working with Ozone without adequate precautions.

This Ozonator is not recommended for use as a room freshener and applications and use of this Ozonator have been listed in this manual and any use other than what has been suggested here is not recommended.

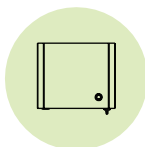
Hence while working with ozone one has to take certain precautions to ensure a safe and effective utilization of this wonderful resource from nature.

3.0 THE OZONATOR SETUP AND USE

3.1 UNPACKING

Open the box and make sure that there is no physical damage. Any damage must be documented and reported to Biotex.

3.2 CONTENTS



Ozonator



User Manual



Tube & Diffuser



Power Adapter

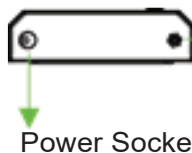
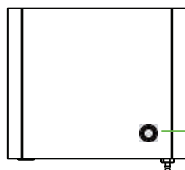


Spare Velcro

3.3 SAFETY INSTRUCTIONS

- Do not use any unauthorized power adapter.
- When using at home for ozonating drinking water or for vegetable wash, do not switch on the Ozonator without immersing the silicone tube and diffuser in water.
- Discard the water after each cycle of ozone rinse.
- Do not open the machine, as you can risk an electric shock.
- Keep children away from the machine, when it is "ON" .
- Ensure that there is no water spillage on the Ozonator.

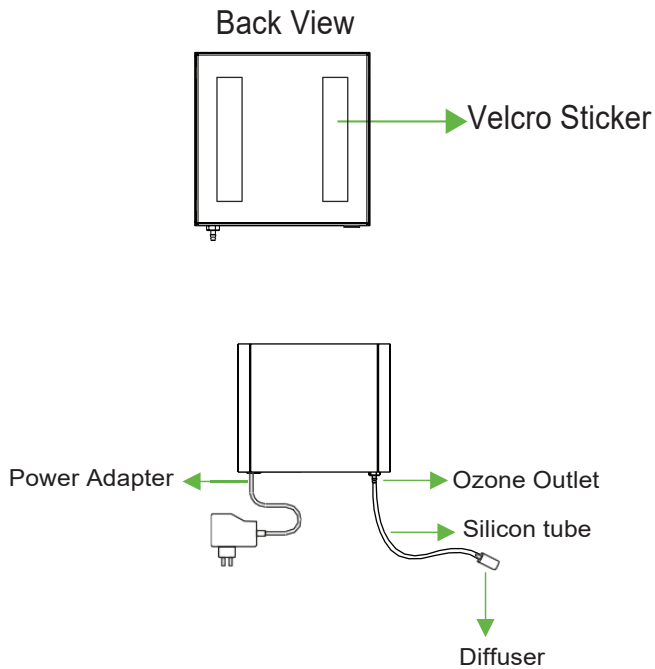
3.4 PARTS IDENTIFICATION



Ozone Outlet

3.5 INSTALLATION

- Select a suitable place near to the power source.
- Mount firmly on clean dry surface with the Velcro provided
- Behind the machine is the Velcro sticker. Remove the gumming paper and paste it on the wall.
- The ozonator can be placed on a table or other stable surface.
- Connect the silicon tube to the ozone outlet.
- Connect the power adapter to the power socket.
- Now the ozonator is ready to use.



Note : Fix the machine away from other appliances, water supply, heat or direct sunlight

3.6 MAINTENANCE

- Power “OFF” Ozonator, before performing any maintenance.
- Clean the ozonator only when necessary with a soft and dry cloth.
- Do not use any cleansers or chemicals on the ozonator.

3.7 TROUBLESHOOTING

| Problems | Possible Cause | Possible Solutions |
|-----------------------------------|--|---|
| Ozonator does not switch ON | Power adapter not firmly plugged into socket No indication in adapter | Plug the power adapter firmly in the power socket Check if AC powource is proper, if yes replace the adapter |
| Adapter is ON but no ozone output | Equipment failure | Contact Service Help line |
| Vibration and loud noise | Ozonator not mounted properly | Ensure the ozonator velcro is properly mounted on the wall |
| Less ozone output | Check any blockages in the silicon tube | Clear any blockages in the silicon tube |

4.0 APPLICATIONS

The use of OZONE for various applications has been tested and tried the world over.

Among the various uses – one can start by applying the use of OZONE at home in the following areas:

- A) Ozonating drinking water.
- B) Ozone for disinfecting and cleaning up of fruits and vegetables.
- C) Disinfection and odor removal from closed rooms, closets, atmosphere, etc..

4.1 STANDARDS AND PROTOCOLS:

A) OZONATING DRINKING WATER

✦ Fill up your bottle of filtered or RO treated water.


✦ Insert the diffuser stone attached to the silicon tube into the bottle of water till the bottom of the bottle. This should be done before the Ozonator is switched on!

Do not operate or switch on the Ozonator before inserting the diffuser stone into the water in the bottle !!!

✦ Ensure that the water bottle being ozonated is at a much lower level than the OZONATOR. This will ensure that there is no back flow of water through the Silicon Tube.

✦ Switch on the Ozonator. An inbuilt timer will shut off the ozonator in 15 minutes. This is sufficient to ozonate 500 ml of water.

✦ You can see the ozone bubbling inside the water being treated.



✦ Switch off the OZONATOR and remove the Silicon Tube from the bottle- Cap the bottle and store for future use if required in the refrigerator.

✦ One can ozonate many such bottles for personal use at home.

✦ Ozone disintegrates quickly and converts into Oxygen in refrigerated ozonated water the life of ozone gets extended to even 6 to 8 hours and one can use this water for drinking later also.

✦ Every time one bottle is ozonated switch off the machine and switch it on again for ozonating the next bottle of water.

✦ The Ozonated water will have a unique and different taste-and will help your body in various ways (***) benefits described in the end of this section).

B) OZONE FOR DISINFECTING AND CLEANING UP OF FRUITS AND VEGETABLES

✦ This is one application for every home.

✦ Today's veggies and fruits come with the added baggage of harmful coloring agents, pesticides etc.-

✦ Using OZONE to treat these vegetables and fruits will help in removing such harmful bacteria, pesticides and coloring agents to a large extent- before these are used for eating or cooking.

✦ In a large bowl of veggies and fruits- fill up clean filtered water and then insert the Silicon Tube with the diffuser stone in the bowl so that it is completely immersed in water at the bottom.

✦ Switch on the Ozonator. An inbuilt timer will shut off the ozonator in 15 minutes. This is sufficient to ozonate approximately 2 kg of Vegetables and fruits.

✦ Treatment time of about 15 minutes is enough for the OZONE to do its job effectively in disinfecting and cleaning up of the Veggies and Fruits of the harmful pesticides, bacteria etc..

REFER SECTION 4.1 A) HEALTH BENEFITS OF OZONATED DRINKING WATER :

- ✦ Ozonated water helps build up your immune system.
- ✦ Ozonated water raises the oxygen content in your body and helps fight off viral and bacterial infections.
- ✦ Ozone helps reduce acidity in the stomach killing bad bacteria and leaving the good gut flora intact and promoting their growth.
- ✦ Ozone helps in the uptake of oxygen by the lungs increasing their functional power.
- ✦ Due to improved lung function emphysema and other bronchial problems are reduced greatly.
- ✦ Ozone improves the oxygen transport in the blood by means of improved blood circulation in the entire body including improved supply of oxygen to the brain
- ✦ Ozone improves the functioning of the liver is a liver cleanser and helps the liver improve its efficiency in producing important co-factors, enzymes and the master detoxifier and antioxidant, glutathione.
- ✦ With improved and greatly enhanced oxygen uptake in the body energy levels rise, fatigue diminishes, and all minerals and supplements taken are absorbed much better by the cells in the body.
- ✦ Ozonated water helps in the elimination of gastro enteric disorders, crohn's disease, etc. and improves digestion and the absorption of amino acids in the cells of the body.
- ✦ With a highly enriched oxygenated body cancer cells will find it extremely difficult to proliferate and grow oxygen is anathema for cancer cells.

4.2 OZONATION OF A ROOM

4.2.A) ESSENTIAL SAFETY TIPS AND PRECAUTIONS:

1. Use a mask to cover your nose before starting the ozonator.
2. Ensure that the outlet PU Tube is away from your face while operating the machine and do not inhale the ozone gas! Use LATEX gloves to check ozone output – these gloves will disintegrate when exposed to ozone gas .
3. Should you experience any irritation in the eyes, skin or cough- then switch off the machine/ walk away from the room and drink fresh cold water and get into an area of fresh air or get in front of a fresh air fan.

IN CASE OF SEVERE REACTIONS- GET MEDICAL HELP IMMEDIATELY!!!!

4. Ensure that the Ozone discharge tube(of almost 4 meters provided) is first positioned at the location that needs to be ozonated and then power on the ozonator- after wearing a mask.
5. Switch off all air conditioning before starting the ozonation in the room !! Keeping the Air conditioning ON while ozonating the room will prolong the residual ozone smell in the room for a long period of time in the room.
6. After the recommended period of ozonation- switch off the ozonator and open up the doors- the foul odors would have been eliminated and the room is to be kept open for a few minutes -to further remove any residual ozone smells from the room.

4.2. B) DURATION OF USE (suggested guidelines)

| AREA/S TO BE TREATED | NORMAL | SMOKE ODOR | MUSTY ODORS |
|------------------------------------|---------------|---------------|-----------------|
| ROOM SIZE : UP TO 250 SQ FT- STD | 4 - 6 MINUTES | 6 MINUTES | 10 - 15 MINUTES |
| ROOM SIZE : > 250 SQ FT-<400 SQ FT | 6 - 8 MINUTES | 6 -10 MINUTES | 10 -15 MINUTES |

LARGER AREAS:

Use two ozonators- at opposite corners of the room and operate simultaneously

For 30 minutes

All above time durations have been suggested based on practical trials conducted under various conditions and are only in the nature of general guidelines.

However, use and duration of ozonation will depend upon the prevailing conditions at individual sites and ozonation can be done according to site requirements.



5.0 SPECIFICATIONS:

| | |
|-------------------|--------------------------------------|
| HOUSING | : STAINLESS STEEL SS 304 MATT FINISH |
| MOUNTING | : PORTABLE AS WELL AS WALL MOUNTABLE |
| INPUT POWER | : 12V DC - 1.5A Max. |
| POWER CONSUMPTION | : 6 W (Approx) |
| OZONE OUTPUT | : Max 200 mg/Hr |
| TIMER | : Built-in (15 min) |
| DIMENSIONS | : 155 mm (L), 43 mm (W), 131 mm(H) , |
| WEIGHT | : < 1 kg |



6.0 WARRANTY

The Ozonator supplied under our commercial invoice is covered under a warranty period of 12 months from the date of supply against any or all manufacturing defects.

Replacement of the equipment due to attributable failure of the equipment arising out of any manufacturing defects will be done immediately on receipt of such intimation to us at our support Centre.

However, such replacements will be warranted against any manufacturing defects for the remaining period or duration of the term of the original 12 months warranty period only.

The servicing of the equipment post warranty period can be done at or our facility against the replacement purchase of the components so suggested by Biotex for replacement.

This warranty does not cover any damage to any ancillary and /or peripheral and/or other equipment, furniture and other assets, personnel or property of the client at his premises arising out of any malfunctioning of the equipment and is solely limited to the operation and functioning of the equipment- the home Ozonator.



7.0 DISCLAIMER

Operation of this equipment is recommended to be done in accordance with the guidelines given by us and in line with the instructions contained in this manual.

It is therefore highly recommended that certain safety protocols be followed strictly to ensure that one gets optimal performance from the equipment with a long life of safe and sustained operation.

However, BIOTEX takes no responsibility for any malfunctioning of the equipment or accidents to operating personnel owing to misuse and/or failure to follow suggested protocols for safe use of the equipment.

The Buyer and/or User also explicitly understands that he owns full responsibility for the purchase and use of the equipment.



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