



## Effect of ozone sterilization:

Ozone is a powerful oxidant and bactericide. nowadays, it's widely used in air and water disinfection & sterilization in many fields,such as fruit and vegetable fresh-keeping,drinking water purification,room air purifying and so on.

O3 sterilization test report:

Bacterial culture method:bacteria plate culture

Experiment temperature:25℃

Experiment ozone concentration:0.10ppm

content \ Time	Bacteria survival percentage				
	1 minute	2 minutes	5minutes	10minutes	20minutes
Bacillus coli	38%	17%	0.3%	0%	0%
Typhoid bacilli	46%	22%	0%	0%	0%
Gonococci	32%	10%	0%	0%	0%
StaphyLococcus	35%	11%	0%	0%	0%

## Using Environment

- 1 Ambient temperature:  $-10^{\circ}\text{C}\sim 37^{\circ}\text{C}$ ;
- 2 Ambient humidity:  $\leq 55\%$ ;
- 3 There shall be no flammable and explosive gas and conductive powder dusts in the room. It's permitted to install the equipment in a place where alkaline air is easy to leak or with risk of explosion.
- 4 The ground for equipment installation must be horizontal, and the equipment shall be placed on ground or supports steadily.
- 5 There must be draft fan or air conditioner to keep air dry and the operating environment in good ventilation.

## Accessories

Please kindly check whether the following accessories all in the package when clients receive product.

Name	Operating manual	Air stone	Silicon tube	Certificate of quality
Quantity	1	1	1	1

## Technical specifications:

Model	QLA-3G-W	QLA-5G-W
Voltage	220-240V/50-60Hz	
Power	60W	80W
Ozone output	3,000MG	5,000MG
Work mold	0-120 minutes manual timer / Continuously	
Dimension	33*16*21cm	
Net weight	3.2kg	3.8 kg

## Functions:

1. Efficiently destroy a variety of bacteria and viruses ,but without secondary pollution.
2. Effectively remove the residual pesticides from vegetables and fruits.
3. Eliminate mould, smoke, remove smell, water stains etc.
4. Improve the oxygen level for air and water.
5. Air purification, expedite human metabolism.
6. To clear away pore dirt, bacteria and prevent freckles, acne, pigmentation

## Operation Instruction

1. Choose the right concentration of ozone machine to different work environment and purpose, please contact our staff if advice is needed.
2. Placed the machine at good heat dissipation and ventilation location, make sure silicone hose connected well with ozone outlet. Put the silicone pipeline into disinfected ozone at high location. Prohibited to place the ozone machine inside disinfection space. when used for water treatment,Connect silicon tube with air stone, then put air stone into the container bottom which you are gonna to disinfection.
3. To achieve the best effect of disinfection, please use it in a closed and unoccupied area.
4. Plug in the power, indicator turns on, this moment is standby mode.
5. According to the need of the sterilization time, setting the timer . Turn the timer knob clockwise, ozone and air pump



Indicator turns on, this moment it has entered the working state, then you can choose working time according to timer arrow. If you want to shut down machine ahead of time, just turn the knob counterclockwise to "OFF". If you want the machine work continuously, Turn the Timer knob anti-clockwise to "ON".

6. After sterilization, ozone machine will stop automatically or manually shut down, then unplug.
7. When disinfection is completed, please remove the ozone machine to dry ventilated place.

### Safety Notes

1. This series of products using 220-240V/50Hz AC power source, if the voltage and frequency fluctuation range is heavy, may cause damage, abnormal or equipment failure;
2. The power cord plugs should keep in contact with the socket firmly, otherwise may cause abnormal electricity or even get an electric shock, endanger personal safety;
3. Users should regularly check the power cord; Don't let the standing legs, or other heavy objects live on the power line ; Please be careful when moving machine, don't roll or damage the power cord; replaced a new one when the power cord was damage.
4. Please do not use in a environment with explosion danger products;
5. High voltage inside the machine, it is strictly prohibited to open the back door, touching, or putting hands inside the machine;
6. When it don't work or need to do the maintain, unplug the power. Strictly prohibited to spray, rinse with water.do not place it in the damp, not ventilated place in case affecting the product electric insulation performance;
7. Prohibited to remove, modified this product, maintenance must be conducted by a professional or trained personnel;
8. Please do not use this product near the high precision electronic equipment,as wave interference may cause wrong operation or other problems;
9. Avoid excessive damp, water or other liquid go into this product may cause leakage or other faulty.
10. Avoid using volatile solution or organic solvent cleaning the equipment, it might damage the surface of equipment.
11. Using qualified safe and reliable grounding connected to avoid eliminate fire hazards;
12. Forbidden staff working in the high concentration of ozone space, necessary protective measures must applied when it must go inside..

### Cautions

1. When using for water treatment, machine must be placed higher than water surface, to prevent water flow back to machine, causing damage.
2. Do not let machine working under the condition of 42℃ above, smoke, moisture, etc. to avoid bad effect on ozone output and shorten machine life span.
3. Do not let eyes, respiratory tract have direct contact to ozone outlet, when using machine for disinfection & sterilization.
4. When using machine for air treatment in a closed space, people must leave there, and enter again 30-40 minutes later after machine stop working.
5. When using machine for disinfection & sterilization, if you feel uncomfortable, too strong irritant or dizzy, please stop operation.
6. Do not drink ozonic water directly, water treated by ozone should be used after 20-30 minutes or after O3 have gone.
7. Unplug when doing maintenance.



**This device applies to 220V~240V/50Hz power supply, not to other power source. Do not expose to rain or water splatter, to avoid fire hazard or electric shock. Do not keep machine under high temperature or wet place.**

**There' s high voltage inside machine when it' s working, strictly forbidden to open case to repair or refit device, any problem caused by disassembling by yourself, should be your responsibility.**

(1) The dust net needs regular cleaning due to accumulate dust from the air. Turn off the power before cleaning, then take out the stainless steel fan filtering net, clean it with clean water, and do not re-assemble it until it is dry.

(2) High voltage parts water removal: during humid season, there is moisture on connecting cable of the transformer (the high voltage unit), transformer, and the connecting cables of the ozone module. Dry it with cloth and hair dryer. Otherwise, it may lead to damage of the equipment.

(3) Ozone module inner chamber, discharge tube cleaning/ replacement: accumulate small partial on the inner chamber and electrode from the gas source will lower the ozone production and concentration. Hence, they need to be cleaned regularly.

#### Simple Breakdown Solutions :

Phenomenons	Reasons	Solutions
The machine can not work	The pump has not connected to the power.	1. To connect with the power
	The plug have not been inserted the socket firmly	2. To insert the plug into the socket firmly
	Fuse burn down	3. Replace the fuse
The machine do not produce ozone	1. Air pump does not work	Change the air pump
	2. Ozone power supply broken down	Change the power supply
The machine has ozone leakage	Ozone chamber breakdown	Replace ozone chamber
	Silicon tube breakdown	Replace silicon tube

#### Warranty:

1. Please keep the warranty card properly for maintenance proof.

2. Warranted against defects in materials and workmanship for a period of 12 months from the date of purchase.

Product name			
Model		User info.	
Purchase date		Purchase quantity	
Address		Phone	