

Ozone Machine User Manual

Read this instruction carefully before
using the device

Warning!

Non-professionals do not disassemble this machine!
Manufacturer will not take any responsibility for any problem
occurs due to non-compliance with this manual.

Overview

For a long time, in the medical health, pharmaceutical, food processing and other aspects, the disinfection and sterilization of water and air has been using ultraviolet irradiation, chemical drug fumigation, spraying and other methods, which lead to many defects in the use. The emergence of ozone sterilization and disinfection products provides a fast, efficient, safe, reliable and convenient disinfection method, which is the ideal replacement product of traditional disinfection equipment and will be widely used.

Ozone (O₃) is an allotrope of oxygen (O₂), which is gaseous at room temperature, colorless with grass taste at low concentration, and relatively soluble in water. Ozone is active in chemistry and has strong oxidation capacity. The oxidation reaction occurs immediately. when it encounters bacteria and harmful chemical substances (such as formaldehyde, benzene, ammonia), so as to sterilization, mildew removal, deodorization, decomposition of harmful gases and other functions. However, ozone is extremely unstable. It is converted by oxygen (O₂), and will be reduced to O₂ within a few minutes. Therefore, it has no pollution and remains. It is the only substance that can disinfect food and drink directly.

Our company produces high concentration ozone disinfection machine, is a kind of high concentration ozone generator specially used for air purification and space disinfection and sterilization. The latest ozone generator and a variety of circuits with protective function are equipped inside the ozone machine, which ensure an excellent performance and the extremely long working time.

Working principle: It is the process of converting oxygen into ozone by using the principle of high pressure discharge. A high voltage alternating current is applied to a high voltage electrode with an insulator and a certain gap between them to allow the dry air or oxygen to pass through. When the high voltage ac reaches 10-15kv, a blue glow discharge [corona] is generated, and the free high-energy ions in the corona dissociate O₂ molecules and aggregate into O₃ molecules by collision.

It is a device to generate ozone gas (O₃). Ozone is easy to decompose and cannot be stored, so it needs to be made and used on site (it can be stored for a short time under special circumstances). Therefore, ozone machine is required wherever ozone is in need. It is widely used in drinking water disinfection, sewage disinfection, industrial oxidation, pharmaceutical synthesis, space sterilization and other fields.

Technical Specification

	Product Name	Ozone Production	Cooling Way
FY - 100R /FY - 200R	Ozone Machine	10g/h OR 20g/h	Air cooling

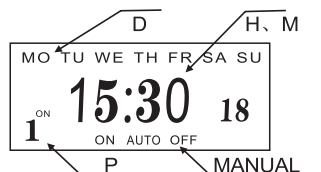
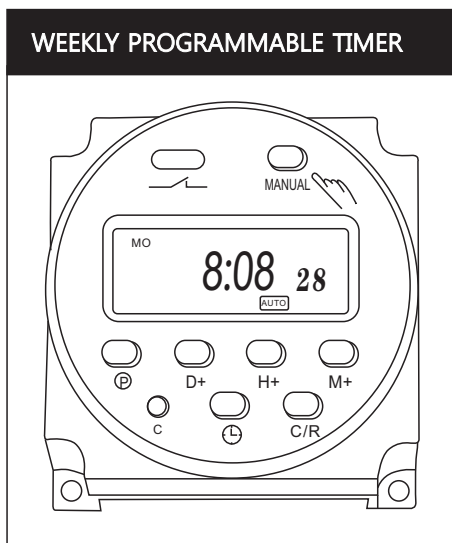
Power Supply	Power (w)	Weight (kg)	Dimensions (length * width * height)
AC220V 50Hz	80W OR 150W	4.5kg	42x16x30cm

Use method:

1. Plug in the power cord and set the working time according to the occasion.
2. Inside the car: 5-8 minutes working time for compact car; 10-15 minutes for midsize car; 30 minutes for cart. Keep the room closed for 15-20 minutes after the ozone machine is off.
3. Normal use after 10 minutes of full ventilation. Open the air conditioning internal circulation for high temperature in summer or air conditioning duct treatment.
3. For home and office: Set the working time to 15-30 minutes according to the space within 100 square meters. Keep the room closed for 60 minutes after the ozone machine is off.
4. Deodorization and decontamination for interior renovation: Set the working time to 60 minutes. Keep the room closed for 60 minutes. Repeat several times every few days to enhance the effect.

**Note: After the treatment is completed, the room must be fully ventilated.
Wait at least 30 minutes before entering the room.**

Panel operation instruction



1	(P)	TIMER
2	D+	DAT
3	H+	HOURL
4	M+	MIN
5	⌚	CLOCK
6	C	RESET
7	MANUAL	MANUAL
8	C/R	Cancel/Recovery

M O	T U	W E	T H	F R	S A	S U
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

Working Time Setting Method

Press C button to turn on the power of the LCD panel at first time.

1. Calibration of time

While pressing the "clock" button, press the "minutes", "hours" and "weeks" respectively to adjust the time.

2. Setting and timing

A. Press the "set" button, and the word "1^{ON}" will be displayed at the bottom left of the display screen (indicating the first opening time). Then press "minutes", "hours" and "weeks" respectively to enter the required opening time.

B. Press the "set" button again, and the word "1^{OFF}" will appear at the bottom left of the display screen (indicating the first closing time). Then press "minutes", "hours" and "days" respectively to enter the required closing time.

C. Continue to press the "set" button, and the bottom left of the display screen will be displayed successively (2^{ON}, 2^{OFF} ... 16^{ON}, 16^{OFF}). Refer to step A and step B to preset the on/off time for further operation. If you only need to set on/off once, you must press the "cancel"/"restore" button to cancel the later time setting.

D. Press the "set" button and then the "week" button to set the same or different cycle mode from day to day, including from Monday to Friday, from Monday to Saturday, or from Saturday to Sunday. de from day to day, from Monday to Friday, from Monday to Saturday, or from Saturday to Sunday.

Precaution

1. Must not use the ozone machine close to flammable and explosives, or under high temperature and high humidity environment.
2. Must not disassemble or move the equipment with electricity due to high-voltage components in the machine.
3. Do not block the air inlet and outlet holes of the machine when working.
4. The machine shall be used and stored in a dust-free space to improve the ozone rate.
5. People and animals must be removed from the room or enclosure before the device is running. Avoid walking into any room or enclosure while the device is running.
6. People exposed to high levels of ozone for a long time will experience symptoms such as fatigue, cough, chest tightness, chest pain, wrinkled skin, nausea, headache, accelerated pulse, memory loss and vision loss etc.
7. The working time of ozone machine should not exceed half an hour. The default time setting is 15 minutes. Long time working will decrease its life span.
8. This machine is guaranteed for one year.

Troubleshooting

1. If the machine is on or off automatically according to the setting time, check whether the "week" setting is correct, otherwise, please adjust it again.
2. If "on" and "off" setting is correct, however the machine is on or off in wrong time, please check whether the redundant time setting are eliminated. If not, please refer to the Working Time Setting Method to eliminate (note: it is done only when the on/off displays "-- : --". "00:00" does not mean to eliminate)
3. If the above two are all correct but the machine still works improperly, please check and switch to Manual mode by pressing MANUAL key.