

Ozone Generator 10000 Models GA And GM

1, Brief Introduction:

O₃ is also called ozone or active oxygen, which is an allotrope of oxygen. Since its discovery over 100 years ago it has been used for many industrial applications some of which are as a sterilizer, disinfectant, keeping food, fruit and vegetable fresh, water treatment, industrial oxidization catalyser and many other uses that benefit people.

All these wide advantages are rooted of its four strong abilities: oxidization, decolouration, sterilizer and deodorization. The O₃ molecule is constructed with 3 oxygen atoms in a very unstable form, which leads it to lose one atom and deoxidize into the O₂, meaning unlike other cleansers there is no pollution.

These ozone generators are the result of the latest research with a patented technology, and will generate more ozone. Its generating cells are made with the highly purified ceramics and an insulated-gate bipolar transistor (IGBT) high frequency power so the total size and weight is much less compared to the other comparable products, with its applications on food, pharmacy, mineral water, purified water, tap water, beverage water, disinfecting water, swimming pool, aquatics water, recycling water and waste water treatment.

2, Features:

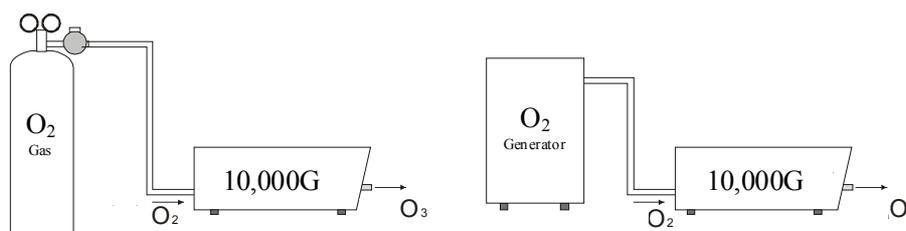
- 1) The outer shell is made with armour plate and equipped with switch, indicator light, voltmeter, ampere meter, timer and gas vent;
- 2) Electric control and cooling system etc;
- 3) Manual or timer controlled.

3, Major Technical Data:

Model	10,000GA	Ozone Output	10000-12000mg/h
Rated Voltage	AC220V ± 10% 50HZ	Input Pressure	<0.1Mpa
Rated Power	120 W	Ozone Density	6-7mg/L
Size	375×470×180 (mm)	Output Pressure	<0.3Mpa
Source	Ambient Dry Air	Water Temp	18-20°C
Air Input	1.5 m ³ /h	Water Flow	3 L/min

4, Fixing and Debugging:

- 1) If you wish you can use an oxygen source as an accessory such as an industrial oxygen cylinder, the output port should be equipped with a **reducing valve** and **flow meter** (in order to enable you to easily adjust the output), then connect this valve pipe to the oxygen input on back panel. (**Attention: you must be ensure the input air pressure below 0.1Mpa and keep the output vent unblocked or there will be risk of parts damage**)
- 2) Connect the pipe with the input port directly as below:



Oxygen Vase; Reducing Valve; Ozone Generator Side Face; Medical Oxygen Maker

- 4) If required connect the water cooling system according to the indicator and keep the water temperature at 18-20°C;
- 5) Connect all the pipes according to the shell indicator, check it for leaks;

- 6) Keep the unit stable; all the accessories should be connected correctly according to the indicator;
- 7) The unit intake should be ventilated and meantime you should place it over 0.5m from the floor or wall.
- 8) If treating water always keep the machine above the level of the top of the water to avoid siphoning back into the machine.

5, Instructions:

Front Panel 1000GA

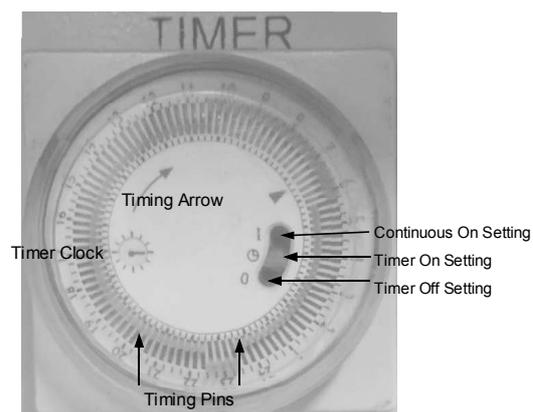


Timer Control; Voltmeter; Ampere meter; Power; Automatic; Ozone; Manual; Manual Switch; Power Switch; Ozone Output

Front Panel 1000GM



- 1) If water cooling connect the cooling water valve, adjust the water flow and then release the water outlet into a drain;
- 2) Switch the power to the “ON”, and the voltmeter indicates the voltage;
- 3) Turn the flow meter to the maximum to observe the number, use the reducing valve to adjust the pressure and flow volume ($<0.1\text{Mpa}$);
- 4) Choose manual or automatic mode.
The “=” means manual mode and the unit will work continually;
The “-” means automatic mode and you can set the timer working.
- 5) 24 Hours Time Set Working Instructions:



- a) Put the red switch (Timer On Setting) to the time position and do not change it;
- b) Check time and correct it by adjusting the outer dial;
- c) Set your time working by dialing the time on the time scale (the minimum is 15 minutes);
- d) You must rebuild the time tune after power short.

6, Attention:

- 1) Do not open the machine unintentionally, do not touch the inner electrical parts, do not run on an unprotected connection;
- 2) Do not use in damp places, put it at 0°C~30°C and humidity of below 70%, do ensure the output and input ports are ventilated;
- 3) Use it carefully, do not let it fall or drop;
- 4) Keep it away from the heat and fire; do not smoke within 1.5m.

8, Troubleshooting:

Problems	Possible Reasons	Solutions
No Ozone Output	1, Do not open the switch	Open it
	2, Fuse is dead	Change it
	3, Do not set time	Set the timer
Motor Fan Not Working	1, Transformer malfunction	Change it
	2, Motor is dead	Change it
	3, Circuit malfunction	Maintenance

9, Front Panel 10000GA:



10, Front Panel 10000GM:

