



INSTRUCTION MANUAL OZONE GENERATOR

RSO25/RSO35/RSO280

www.purewatercare.com

GUANGDONG RISHENG GROUP

Ozone is one of the most powerful oxidizer among the ever known oxidizers in the world and is widely used in many fields. With its powerful oxidation ability, ozone quickly eliminates pathogenic germs, kills algae, and dissolves harmful chemical ingredients as well as organic matters, thus decreases COD and BOD in water. Ozone is therefore used to purify water, prevent diseases of the creatures and maintain biological balance in water. The Ozone has no harm to human body while it can effectively kill the bacteria in water without any residue. The generator can be extensively used at home, restaurant, hotel, bathroom, hospital, and entertainment sites.

TECHNICAL DATA

MODEL	VOLTAGE	FREQUENCY	OZONE PRODUCER
RSO25	110/220V	50/60Hz	0.25g/H
RSO35	110/220V	50/60Hz	0.35g/H
RSO280	110/220V	50/60Hz	2.80g/H

ACCESSORIES

To use the generator effectively, air stone is needed to be configured as it helps diffuse ozone and enhance the absorption of ozone by the water. The generator can work even more effectively if it is configured with the filters or the protein skimmers to increase bubble diffusion.

HOW TO USE

1. RSO25 and RSO35

RSO25 is with an air pump built-in, while RSO35 is without. Therefore, a separate air pump is needed for RSO35, which you can find in the package.

RSO25

Use the output tubing to connect the generator with the air stone and make sure the air stone rests on the bottom of the water, then start up the generator.

RSO35

- Connect the outlet of the air pump with the inlet of the ozone generator with the tubing (Fig. 1)
- Connect the outlet of the ozone generator with the air stone with the tubing (Fig. 2)



Fig. 1

Fig. 2

Note: the air pump is for illustration only. The actual product might be different.



RSO系列臭氧机

使用说明书

RSO25/RSO35/RSO280

广东日生集团

www.resun-china.com

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HOW TO USE

1. RSO25 and RSO35

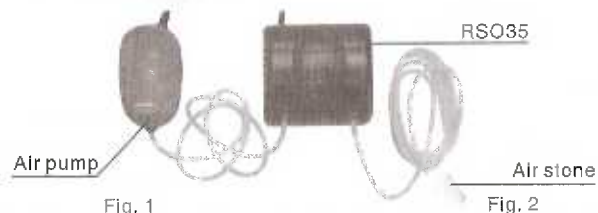
RSO25 is with an air pump built-in, while RSO35 is without. Therefore, a separate air pump is needed for RSO35, which you can find in the package.

RSO25

Use the output tubing to connect the generator with the air stone and make sure the air stone rests on the bottom of the water, then start up the generator.

RSO35

- Connect the outlet of the air pump with the inlet of the ozone generator with the tubing (Fig. 1)
- Connect the outlet of the ozone generator with the air stone with the tubing (Fig. 2)



Note: the air pump is for illustration only. The actual product might be different.

c. Put the air stone into water, make sure the air stone rests on the bottom of the water.

d. Switch on the generator and the air pump.

e. If only oxygen supply is needed, switch off the ozone generator; this doesn't affect the work of the air pump.

These two models are set to work for 2 hours to prevent it from overheating. It will stop automatically after working for 2 hours. If the indicator doesn't work and there is not ozone output, stop the generator for 10 minutes and switch on again, the generator will restart working for another 2 hours.

2. RSO280

Use the output tubing to connect the generator with the air stone and make sure the air stone rests on the bottom of the water, then start up the generator.

This model is set to work for 1 hour. It is adjustable within 1 hour, or can be set in the "O₃" position for continuous work with no stop. If only oxygen supply is needed, adjust the timer to the "O₂" position.

HOW TO STERILIZE

- High density ozone water. Input the ozone into a container with 5-10L water by simply introducing the ozone from the generator into water with a hose. The ozone water can be used for sterilization.
- The user can also just introduce the ozone into the water for water treatment.
- To sterilize the air indoor, start the generator without connecting with a hose.

RECOMMENDED OZONE QUANTITY

For fresh water:

- For fish keeping: To reach water treatment of 0.5m³ per hour, 250mg ozone is needed (including volatilizing)
- For plant keeping: To reach water treatment of 0.5m³ per hour, 350mg ozone is needed (including volatilizing)
- For new aquarium / pond: To reach water treatment of 0.5m³ per hour, 500mg ozone is needed (including volatilizing)

For marine water:

Note: Besides the above instruction, a macromolecule filter is highly suggested to be used to absorb the Bro and Bro² in the marine water.

- For fish keeping: To reach water treatment of 0.5m³ per hour, 150mg ozone is needed (including volatilizing)
- For coral / plant keeping: To reach water treatment of 0.5m³ per hour, 100mg ozone is needed (including volatilizing)

Note: the above suggestion is for reference only, adjustment within 50mg is needed depending on the water condition.

DISEASE TREATMENT FOR FISH

Connect the outlet of the ozone generator with the air stone by air tubing and then put it into a container, add 5-10L water into the container and switch on the ozone generator. Put the ill fish into the container for treatment after 20 minutes.

ILLNESS	OZONE DENSITY	TIME FOR TREATMENT	RATE OF KILLING BACTERIA
YAN	0.3-0.5mg/L	60 seconds	>99%
HIRRV	0.2-0.4mg/L	15 seconds	>99%
IHNV	0.3mg/L	15 seconds	>99%
IPNV	0.3-0.5mg/L	15 seconds	>99%
CSV	0.3-0.5mg/L	60 seconds	>99%
OMV	0.2-0.4mg/L	15 seconds	>99%
Vibrio Hnguillarum	0.2-0.4mg/L	15 seconds	>99.9%
Streptococcussp	0.2-0.4mg/L	15 seconds	>99.9%
Escherichia coli	0.2-0.4mg/L	15 seconds	>99.9%
Ahydrophila	0.2-0.4mg/L	15 seconds	>99.9%
Celliform bacteria	0.2-0.4mg/L	15 seconds	>99.9%
Parasitic Infusorian	0.8mg/L	30 seconds	>99.9%

IMPORTANT SAFETY CAUTIONS

- Put the ozone generator over the water level. DO NOT put the generator below water level as this will cause water to return to the generator.
- A check valve should be placed between the air tubing and the outlet of ozone generator. Disconnect the air tubing from the outlet of ozone generator before taking the air tubing out from water.
- NEVER disassemble the cover of the generator as this will cause electric shock.
- Put the generator in a place well-ventilated and dry. Prevent the generator from water spray and sunshine.
- Keep the aquarium well ventilated when using the ozone generator directly for water treatment in aquarium. DO NOT cover the aquarium as fish might be killed by the high-density of ozone in the water.
- Keep your nose away from the outlet of ozone generator as this will hurt your breathing system. Some people might be allergic to ozone, the symptoms might be nausea or vomit. If this happens, stay away from the ozone, the symptoms will fade away within half an hour.
- Air tubing will turn yellowish after using for some time (depending on how frequently it is used), this is a normal situation as the air tubing is oxidized by the ozone. Replace the air tubing depending on the oxidation condition.

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