



SSO-O3-LAB0#

LAB O₃ System

User Manual

Ver: 1.01



Certified by:



1. Application

1 - *Eliminates bacteria, fungi, microorganisms and viruses* - Ozone is an oxidizing agent capable of effectively oxidizing more than 99% of bacteria, fungi, microorganisms and viruses.

2 - *Complete disinfection of surfaces and materials* - Ozone is one of the most powerful disinfectants, 100% natural and dispenses with the addition of any chemicals. Being a gas disinfection system, it allows efficient and total disinfection of surfaces and materials.

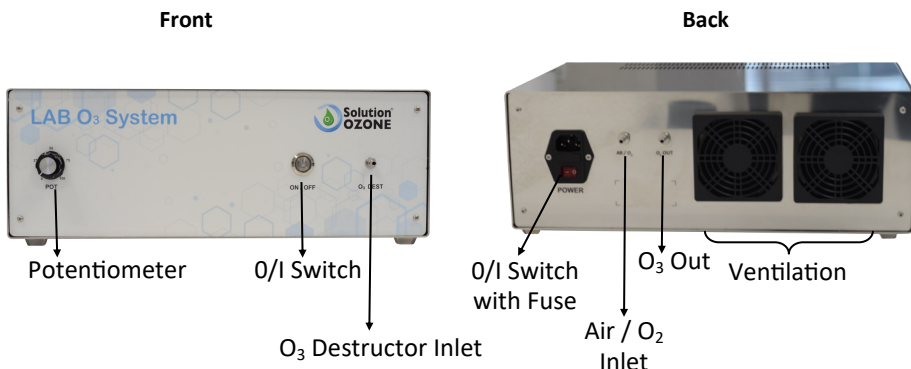
3 - *Removes obsolete odours* - The LAB O₃ System produces ozone, a powerful oxidizing agent that will oxidize harmful toxic elements and organic odours in the air, removing bad odours and reducing their toxicity without any secondary pollution.

4 - *Ozonizes water* - The LAB O₃ System allows ozonate and purify water in the laboratory for laboratory tests or several disinfections.

2. Specifications

Model	SSO03-LAB01	SSO03-LAB02	SSO03-LAB03	SSO03-LAB04
Ozone Output	1g/h	2 g/h	5 g/h	10 g/h
Gas	Ar / O ₂	Ar / O ₂	Ar / O ₂	Ar / O ₂
Operating Pressure (Max)	0,9 bar	0,9 bar	0,9 bar	0,9 bar
Thermal Protection	Yes	Yes	Yes	Yes
Rated Power	40 W	75 W	120 W	150 W
Potentiometer	No	No	Yes	Yes
Voltage	240 V AC	240 V AC	240 V AC	240 V AC
Material	Inox	Inox	Inox	Inox
Dimensions (LxHxW)	300 x 190 x 125 mm	300 x 190 x 125 mm	300 x 190 x 125 mm	400 x 140 x 250 mm
Weight	3,200 Kg	3,500 Kg	4,000 Kg	5,200 Kg

3. Equipment Structure



4. Operating Instructions

4.1 - Remove equipment and power cord from the box.

4.2 - Turn on the power cord.

4.3 - To switch on the device press the 0/I button, in back panel, to position I. A red light will light up, which means the device is switched on.

4.4 - Adjust the potentiometer to the desired production level.

4.5 - You must supply the equipment with dry air (oil free) or oxygen (industrial or medicinal) from the bottle, connect the hose to the Air Inlet / O₂ (see image of the equipment structure - page 2). **The maximum operating pressure is 0.9 bars.**

4.6 - Whenever you use the ozone outlet to ozonate liquids, you must place a non-return valve on the hose that connects the equipment to the reservoir where the liquid is located, to ensure that there is no liquid entry into the equipment. Any liquid entering the equipment will cause permanent damage to the equipment, which is not covered by the warranty.

4.7 - To switch off the equipment press the 0/I button to position 0, in back panel. It will turn off the red light, which means that the equipment is off.

4.8 - Disconnect all accessories (hoses) from the equipment.

4.9 - Control the equipment's operation or pause using the 0 / I button in the equipment's front panel.

5. Important:

5.1 - Do not breathe ozone directly. In the event of ozone leakage, turn off the equipment, leave the room and wait 30 minutes to ensure the total dissipation of the ozone before returning.

5.2 - You can return to the room after 30 minutes after the ozone dissipation time in the room.

5.3 - Before reconnecting the equipment, check under what conditions the leak occurred and correct the cause to prevent further leakage. The hoses and connection accessories must be made of ozone-compatible material (in case of doubt, consult the table of compatible materials on our website - www.solutionozone.com). Check them frequently to ensure they are in good condition.

Note: DO NOT BREATHE OZONE DIRECTLY. According to OSHA standards, people should not remain in a space where ozone is being produced for more than 1 minute per 30 m².

6. Included



EN

Equipment (Model: 1g/h, 2g/h, 5g/h ou 10g/h) + 2mt of Silicone Tube
+ Power Cord of 1,8mt

Note: The button 0/I on the back panel includes one fuse.

7. Precautions

- 1 - Follow the instructions of this Manual carefully.
- 2 - If the Button 0/I does not light up, check the fuse.
- 3 - Do not breathe ozone directly.
- 4 - If ozone is released into the air, avoid being closed in the same space as the equipment while it is in operation. Limit contact time to a minimum.
- 5 - When that does not use ozone destroyer, respects the settling time / ozone dissipation at the end of each use. In order to guarantee all safety procedures and increase the efficiency of the disinfection treatment, respect the 30 minutes of ozone dissipation, avoiding opening the area where the ozone was used. .
- 6 - Breathing ozone can be toxic, OSHA regulations must be respected. Avoid smelling or breathing directly on the air outlet of the equipment.
- 7 - Do not remove the screws from the equipment, in addition to violating the guarantee, there is the risk of electric shock. Even disconnected from the power, remember that this equipment works at high voltage.
- 8 - Do not cover the equipment while in operation.
- 9 - Do not introduce any objects through the ozone outlet grilles, as it may cause equipment failures or cause a short circuit.
- 10 - Keep the equipment away from water and/or moisture sources.
- 11 - Clean the equipment with a clean, dry cloth. Do not use abrasive products.
- 12 - When not in operation, store the equipment in a dry place and at room temperature.

8. Guarantee

1 - This equipment has a free 1 year guarantee period, if the equipment fails in normal use, according to the manual instructions (determined by the company). To activate it, you must present the invoice and the guarantee card.

2 - During the guarantee period, the following conditions are not covered:

- Do not present the guarantee card and invoice;
- Failures and damages caused by improper use or improper repairs;
- Failures and damages caused by transport and fall;
- Failures and damages caused by other external factors, natural disasters or other human factors;
- Failures and damages caused by falling water or other equipment solutions;
- Failures and damages caused by the use of energy or voltage other than those specified;
- Failures by different use from what is specified in this manual.

9. Guarantee Card

Full Name		Phone Number	
Address			
Invoice nr.		Purchase Date	
Maintenance Record			
Date of Maintenance			
Analysis			
Result			
Clerk signature			



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