



VECTORFOG C100

USER MANUAL

INTRODUCTION

The compact C100 cold fogger is one of the most powerful and durable ULV machines on the market. Equipped with the exclusive 1250 Watt motor, this fogger can produce a powerful flow rate between 30-60 LPH and can easily cover an area of 100m in less than a minute. It also comes with an adjustable droplet size between 5-50 microns.

“Cold Fogging using hypochlorous acid can be used indoors as well as outdoors”

OPERATION

1. Plug electric cord into power supply
2. Turn on Machine by sliding switch to required setting
 1. Low Speed fogging
 2. High Speed fogging
3. Turn off Machine by sliding switch to the off position
4. Adjust the droplet size by turning the nozzle on the front of the machine. Clockwise increases the droplet size. Anti-clockwise decreases the droplet size.



CLEANING

Cleaning after every use will prolong the life of the machine

Clean up of water based liquids

1. When fogging is complete, pour any liquid left in the tank into a suitable container using a funnel. Operate the fogger for one minute with the nozzle open to the largest droplet size.
2. Fill the container with clean water and operate again for 1 minute. Remove any excess emulsion from the tank

Clean up of emulsion -

After fogging, beginning with “Step 1” then fill with the appropriate solvent for the chemical that was used and operate unit for 1 minute flushing any residual chemical left inside. Then repeat step 2. Allow to dry before storing.

APPLICATION ACROSS ALL INDUSTRIES:

No precaution is necessary to avoid skin or eye contact. It is advised that a mask is worn when cold fogging (note: N-95 masks are only effective when dry). For the Dental & Medical sector, a concentration of 200ppm and a pH between 5-7 are advised (use test strips to confirm the levels).

Ensure that all surfaces have been decontaminated and are dry before misting with the cold fogger. Electrolyzed water, which is hypochlorous acid, is placed into the machine which creates fog. Point the fog into the top corner of the room and continue to spray along the perimeter. Next, work across the ceiling, methodically moving the fogger from one side to the other.

Pay particular attention to the area where the patient's chair is located if you are misting in the dental sector. Avoid concentrating the mist in an area - there should not be any concentration of liquid forming. All surfaces should be dry in two minutes when administered correctly. Once the surfaces are dry, your patient can be seated. Cold fogging can be applied between treating each patient.



USE PRECAUTIONS

In order to prevent accidents during operation,

Please read the user's guide before use.

1. Use the electricity equipped, with the grounded circuit breaker.
2. Do not use it when the power line is wet. Do not touch the cord with wet hands.
3. Do not apply more than one plug into one electrical outlet.
4. Check the status of the power line before operation. If damaged, call the certified technician for replacing the cord.
5. Always pull the plug out of the electrical outlet when the machine is disassembled or not operated.
6. Disconnect power while the tank is charged.
7. When the machine is wet, never plug in the power. Wet parts should be replaced by a certified technician.
8. For the additional cable, use the proper one equipped with ground connection.
9. Do not let somebody operate the machine without wearing the proper protective equipment recommended by the chemical manufacturer.
10. Do not spray toward humans, electrical appliances, and the main body of the unit.
11. Keep away from children or unauthorized persons.
12. Always use the manufacturer-recommended parts for safety of the machine.
13. To prevent damage to objects, keep a proper distance when sprayed.
14. Be careful of fire and shock.
15. Do not use water mixed with impurities, or flammable materials.
16. If there is unusual noise, smell or smoke in the machine, unplug immediately.

STORAGE PRECAUTIONS

When the machine is working

- When cleaning the machine, unplug first, and do not use water or detergent.
- Make sure to clean the tank after use, and keep away from children.
- Keep the machine in a dry place away from the direct sunlight at 10-40°C.

When the machine is not working

- Check if the power cord is plugged in.
- Check if the electricity is connected to the electrical outlet.
- Check if the voltage is 110V (for US model) or 220V (for models outside of the US).
- Check the fuse.
- If the suction hose inside the tank is clogged, remove the foreign substances.

What is Hypochlorous Acid?

Introducing a stronger, safer replacement for bleach. Serving as nature's ancient disinfectant, Hypochlorous Acid (HOCl or HClO) is the most effective chlorine disinfectant.

It is completely natural, non-hazardous and safe to humans. Hypochlorous Acid (HOCl) is a biocide that is naturally produced by the white blood cells in our bodies and plays a vital role in the immune system, killing pathogens through oxidation and chlorination. Utilising the power of nature, Hypochlorous Acid can be synthesised through electrolysis.

Hypochlorous Acid (HOCl) has been extensively researched, over the last 30 years, as a powerful environmental cleaning solution. 99.99% of most harmful bacteria, including Covid-19 and Norovirus, are killed within 30 seconds of contact with HOCl of 200ppm or greater under laboratory conditions. Research suggests that Hypochlorous Acid (HOCl) may be 70-80 times more effective than sodium hypochlorite (chlorine bleach).



HOCl is completely safe and non-toxic to humans. You can spray it on surfaces or pour directly. It can be used for hand washing and dressing wounds, and purifying drinking water. To do so, use 2.5 ppm HOCl with a 30min dwell time, for example 1 Liter of 500ppm can purify 200 Liters of water.



You may also safely use HOCl to clean food, it can be sprayed directly without the need to be rinsed off. HOCl may be diluted to reach a desired PPM. For example, 1 Liter of 500ppm HOCl added to 1 Liter of water will yield 2 Liters of 250 ppm (although the pH may increase.)

Technical Information:

IUPAC Name :
Hypochlorous acid, chloric(I) acid, chloranol, hydroxidochlorine

Other Names : Hydrogen hypochlorite, chlorine hydroxide, electrolyzed water, electrolyzed, oxidizing water, electro-activated water

CAS Number : 7790-92-3

Molar Mass : 52.46 g/mol

Molecular Formula : HOCl

Appearance : Colorless aqueous solution

Solubility in water : Soluble

Acidity : 7.53

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