READ AND SAVE THESE INSTRUCTIONS

HaloFogger®

User Manual

110V | 220V

Walk Around Tour of the HaloFogger®

Rear Handle

Status Indicator Light

High Precision Nozzle

Dry-mist of disinfectant is dispensed through nozzle.

Timer Dial

Turn the dial to set time for fogging treatment.

Fogging Time Chart can be found in the Disinfectant Protocol Manual(s) and on the rear panel of the Halo unit.

Start Button

Press and hold for 2 seconds to begin unit's countdown and the treatment process.

Disinfectant Fluid Level Indicator

Shows how much disinfectant is in the reservoir and when it is time to refill.

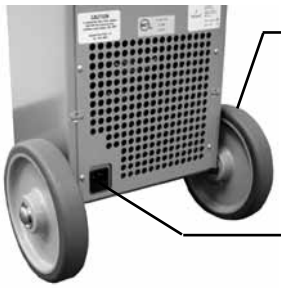
Reservoir Door

Push and lift open to expose funnel port for refilling.

Front Handle

Reservoir Door

Funnel Port



Large Wheels

For easy maneuvering.

Power Cord Connection

Status Indicator Light - Displays the operational status of the Halo device.

Solid Green: Indicates the Halo is plugged in and ready for use

Flashing Green: Indicates the Reservoir Door is not closed correctly or an error has occured. *(Refer to Troubleshooting section of this manual)*

Flashing Red: Indicates 30 second countdown after pressing the Start Button

Solid Red: Indicates the device is on and dispensing disinfectant. The room should be unoccupied.

Caution

A caution statement in this manual identifies a condition or practice which, if not corrected or discontinued immediately, could lead to serious injury or death.

1. KEEP OUT OF REACH OF CHILDREN.
2. Carefully read all instructions, warnings, cautions and first aid statements prior to use.
3. Do not enter room while HaloFogger® is in use. Stay out of the room after treatment until room re-entry wait time has expired. Keep door and windows closed.
4. Use only as directed.
5. Allow the full post-treatment wait time before re-occupying the room. Re-entry before the wait time has expired could result in sensory irritation and should only be done while using proper personal protection equipment (PPE) including wrap-around style goggles, 3M respirator mask and gloves.
6. Avoid inhalation of vapors or skin and eye contact with Halo Disinfectant fog.
7. The HaloFogger is designed for ease-of-use. However, only properly trained individuals should use this device.
8. Electric shock hazard. Do not plug in if electrical plug or parts are wet.
9. There are no user-serviceable parts inside the Halo other than the nozzle. An operator may only perform maintenance procedures specifically described in this manual. The manufacturer should make all other repairs.
10. While in use, the body of the HaloFogger may become warm to the touch. Use caution when handling.
11. Use personal protection equipment (PPE) including wrap-around style goggles and gloves when pouring disinfectant fluid into the device. Avoid splashing or overfilling which could harm the user and/or the device.
12. Halosil International is not responsible for any injury or damage caused by using this device outside of the specific parameters detailed in this manual.

Operation Warnings

These warnings pertain to the actual use of the HaloFogger® unit.

1. To ensure effectiveness and safety, use only with Halo™ Disinfectants (HaloMist™ or HaloSpray™). Using any other manufacturers' disinfecting or cleaning product will result in serious injury, exposure and environmental damage.
2. Position the device on a secure surface to prevent rolling or moving while in use.
3. Use only a manufacturer supplied electrical cord.
4. Always unplug the power cord from the outlet before moving the device.
5. Clean debris from the device nozzle and funnel on a regular basis according to the instructions in this manual (see Maintenance).
6. Regularly check disinfectant fluid level to ensure sufficient volume is present to treat each particular room size.
7. Do not set the timer for longer than the suggested fogging time. Excessive fogging can create condensation, which may activate fire alarm systems.
8. Protect this device from severe impact or shock.
9. Take care to prevent water or other fluid from entering the device. Should this occur, allow to completely dry before use. Check the accuracy of all operating functions.
10. Do not tip the HaloFogger on its side at any time unless completely empty and dry.
11. Store HaloFogger in an upright position, in a safe, dry location. Do not place anything on top of the device.

Getting Started with the HaloFogger®

Setup and Filling

THE HALOFOGGER IS DESIGNED FOR USE WITH HALO™ DISINFECTANTS (HALOMIST™ OR HALOSPRAY™) AND SHOULD NOT BE OPERATED WITH ANY OTHER MANUFACTURERS DISINFECTING OR CLEANING PRODUCT.

Setup Instructions

Locate the connector end of the power cord. Insert the connector into the power receptacle located at the bottom of the rear panel of the HaloFogger. Ensure that the connector is securely in place. Plug the HaloFogger into a standard electrical outlet. The green status indicator light will illuminate.

Filling Instructions

1. Open the HaloFogger Reservoir Door by lifting front edge of door.
2. Locate the disinfectant fluid level indicator lights to the left of the funnel. One flashing red light will be illuminated indicating the HaloFogger is empty.
3. Use personal protection equipment (PPE) including wrap-around style goggles and gloves when pouring disinfectant fluid into the device.
4. Open a gallon (3.8 liters) bottle of Halo Disinfectant and SLOWLY pour the contents into the funnel area. AVOID SPLASHING.
5. The fluid level indicator lights will illuminate as you pour to show how much disinfectant is in the device.
6. The HaloFogger holds two gallons (7.6 liters) of disinfectant when full. Stop pouring when the top green light on the fluid level indicator is illuminated. Do not overfill.
7. Wipe up any spills with a clean paper towel or rag. Thoroughly rinse off gloves and hands.
8. Close Reservoir Door.
9. The HaloFogger is now ready to be used.

IMPORTANT

Before using your new HaloFogger, it is important that you download the correct protocol manual for the disinfectant you will be dispensing (HaloMist or HaloSpray). Go to *www.halosil.com*, register your new fogger purchase and select the manual you require.

Basic Operating Instructions

IMPORTANT: Download the appropriate protocol manual for the disinfectant you are dispensing for detailed set up and operating instructions.

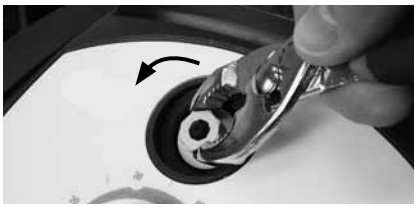
1. Set the timer dial to the number of minutes specified for your room size. See Quick Instructions on rear of unit.
2. Plug the HaloFogger into a standard, grounded electrical wall outlet. When the power connection has been made, the green status indicator light on top of the device will illuminate.
3. Check fluid level indicator lights. It is recommended the unit's reservoir be topped off before starting the treatment process. Refer to "Getting Started with the HaloFogger" above to add/refill disinfectant.
4. Press and hold the Start button for two (2) seconds. The green status light will begin to flash red indicating you have thirty (30) seconds to leave the room before the unit begins to dispense disinfectant.
5. Leave room, close and seal door. Post sign on door indicating the room should not be entered during the treatment process.

Maintenance

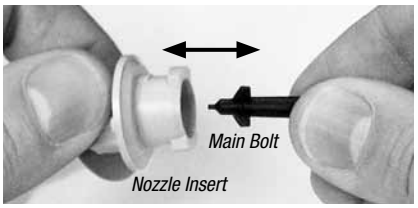
Nozzle Cleaning and Alignment

To keep your HaloFogger® working at optimum performance, it is recommended that you clean the nozzle on a regular basis (example: clean nozzle once-a-week if fogger is used once-a-day or more.)

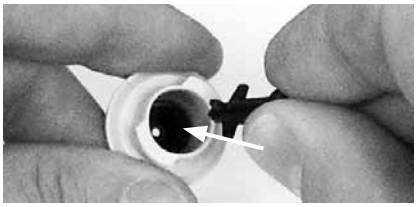
Step 1. Before performing any maintenance to the HaloFogger, disconnect the power cord from the electrical outlet.



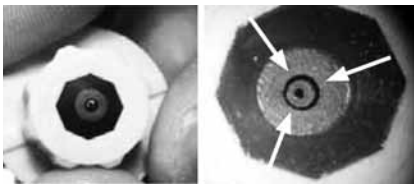
Step 2. **Remove Nozzle.** Using adjustable pliers, gently squeeze nozzle (DO NOT crush) then carefully turn nozzle counter-clockwise 90º and remove.



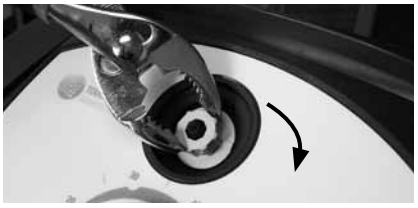
Step 3. **Separate Parts.** Remove Main Bolt from Nozzle Insert. Soak both parts in soap and water. Rinse parts thoroughly with water.



Step 4. **Reassemble Nozzle.** Carefully insert the Main Bolt back into the Nozzle Insert. Make sure the "wings" on the Main Bolt nest into the slots down inside the Nozzle Insert.



IMPORTANT - Position Main Bolt so a uniform gap surrounds the nozzle tip.



Step 5. Carefully **reinstall the nozzle into the Halo,** turning nozzle clockwise 90º to lock into place. Test Halo for straightness of nozzle stream.

Funnel Cleaning

The fluid funnel inside the HaloFogger should be checked for debris on a regular basis. Visually inspect the funnel. If any debris is present, wipe with a clean towel dampened with water.

Ensure that the funnel screen is in place.

Storage and Disposal

HaloFogger®

Storage: Store in a safe, dry location. Do not place anything on top of the device. Store in an upright position. Keep the refill door closed.

Do not allow Halo Disinfectant to be stored in the HaloFogger for longer than one year.

Disposal: Electrical and electronic devices may not be disposed of with domestic waste. This product is in accordance with the law "waste electrical and electronic equipment" (WEEE).

Please contact your local representative for more information.

Specifications for HaloFogger

Mechanical

Height	40.0" (101.5 cm)
Width	13.25" (33.5 cm)
Depth	18.5" (47 cm)
Weight	Approximately 50 lbs (22.5 kg)

Electrical

Power Requirements	North America 110Volt, Frequency 50 Hz, Power 350 Watt International 220Volt, Frequency 50/60 Hz, Power 350 Watt
Certification	MET UL 969, MET CE
Fuse	10 amps, 250 volt, slow acting, 5 x 20mm
Electrical Rating	4 amps, 115 volt, 60 Hz (220 volt, 50 Hz for the 220V Fogger)

Performance

Volumes treated	up to 9,500 ft3 / 270 m3

Troubleshooting

The following table of potential indicators provides a quick reference of the descriptions, probable causes and most common solutions regarding the operation of the HaloFogger®. If the information in this table does not describe or solve the problem you are having, contact Customer Service at 1 302-454-8102, Monday through Friday, 9:00AM to 5:00PM EST.

Symptom	Possible Cause	Solution
No mist is being produced	The nozzle is clogged or misaligned.	Remove the nozzle and clean according to the instructions in this manual.
	The disinfectant fluid tank is empty.	Check the fluid level indicator lights. If the orange light is illuminated, follow the fill instructions in this manual to refill the tank.
	Start button not pressed.	Press and hold the Start button for 2 seconds to begin fogging.
	Not plugged in.	Check to make sure that the power cord is plugged into both the HaloFogger and a wall outlet. Then, check to see that the wall outlet is working. The green status indicator light should be illuminated when properly set up.
Green indicator light is blinking	Reservoir Door is not closed correctly.	Close Reservoir Door making sure it "clicks" when closed.
	Magnet in Reservoir Door is not in place.	Call Customer Service.
No power	The power cord is not plugged in or the power source is not on.	Check to make sure that the power cord is plugged into both the fogger and the wall outlet. Then, check to see that the outlet is working. The green status indicator light should be illuminated when properly set up.
	The fuse is blown.	Check to see if the fuse is blown. Fuse (and a spare) is located behind a discreet panel just below where the power cord connects to the HaloFogger.
Knocking noise	The compressor is not running properly.	Call Customer Service.
Disinfecting procedure is interrupted	Power loss during treatment process or other unforeseen circumstances.	Confirm power has been restored. Re-enter room after hydrogen peroxide concentration level is determined to be at or below 1 ppm. Restart treatment process from beginning.

Replacement Parts

To order replacement parts, contact Customer Service at 1 302-454-8102, Monday through Friday, 9:00AM to 5:00PM EST.

Part	Part Number
110V Power Cord (8')	0750-110VPC
220V Power Cord (8')	0750-220VPC
Nozzle Assembly (includes retainer cap, nozzle insert, main bolt and O-ring))	0750-000

Re-Order Number

Part	Part Number
110V HaloFogger (US and Canada)	0750-110
220V HaloFogger	0750-220
HaloMist™ 1-Case (x41-Gallon Bottles)	HM10N0G4
HaloSpray™ 1-Case (x41-Gallon Bottles)	HS10N0G4
Power Module	20PMOD12-110
HaloShield™ Vent Covers (2-pak bundle only)	0800-SHSVC
CI – H202 Test Strips	H202STPS-50

⚠ CAUTION/PRECAUCION

DO NOT ENTER/ENTERINO
Room Fogging in Progress

Treatment Date / Start Time:

Estimated Room Re-entry Time*:

*(*Refer to Halo Disinfectant Protocol Manual to determine room re-entry time.)*

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Photocopy and post outside of room being treated.

Warranty and Registration

Follow unpacking instructions included with your new HaloFogger. Halosil International is not responsible for damages caused by incorrect unpacking or transportation of the device.

Halosil International, Inc warrants the HaloFogger, when purchased new, to be free of defects in material and workmanship and to perform in accordance with manufacturer's specifications for a period of six (6) months from the date of purchase from a Halosil International Authorized Reseller or Distributor. Halosil International will either repair or replace any device or component found to be defective or at variance from manufacturer's specifications within this time period. **Halosil International and its authorized distributors are not responsible for shipping costs associated with warranty returns.** Damage resulting from use, misuse, modification, neglect, accidents, normal wear and tear or shipping is not covered by this or any warranty.

Halosil International and its authorized distributors assume no liability for any accident, injury, death, loss or other claim related to or resulting from the use of this device. In no event shall Halosil International or its authorized distributors be held liable for incidental or consequential damages relating to or resulting from the use of this device or any of its parts.

This warranty is void if the HaloFogger is not used in accordance with Halosil International's recommendations, if repaired, attempted to be repaired, and/or security seals are broken on rear panel, by an agent other than Halosil International without prior written permission from Halosil International, or if the HaloFogger has been used with any solution other than Halosil International disinfectant product. This warranty is available to the original purchasers only and may not be transferred or assigned.

If during the warranty period your device requires attention most issues can be resolved easily by contacting Halosil International by phone: +1 (302)-454-8102 Extension 100 or via Email: info@halosil.com. When contacting Halosil International please provide the following information: contact name, company name, contact information (phone and email), address, purchase date, from which HaloFogger was purchased, and the unit's serial number. Proof of purchase may be required. If Halosil International determines that the fogger qualifies for warranty coverage, a Return Merchandise Authorization (RMA) number will be issued along with instructions on where to ship the fogger and emptying the fogger before shipping. Halosil International is not responsible for shipping costs associated with warranty returns.

It is recommended that the fogger's original shipping box be retained for return shipping and strongly recommended that any fogger being returned be shipped in its original shipping box on a pallet. Prepare the HaloFogger for return shipment to Halosil International including the fogger and all parts packed in the device's original shipping box (or one available for purchase from Halosil International). The fogger must be emptied of all liquid in accordance to shipping instructions sent with RMA number. Halosil is not responsible for damage caused by fluid leakage during return shipping. HaloFoggers that do not qualify for warranty coverage will be repaired or replaced at the customer's expense or the device will be returned to the customer. Halosil International is not responsible for shipping costs associated with repair returns.

Register your purchase to extend your Standard Warranty coverage. Registering your HaloFogger® purchase will automatically, and at no additional cost, extend the standard six (6) month warranty coverage to one (1) year from date of purchase. (See Warranty for coverage details.) Registration will also entitle you to receive information on any product updates as they become available. To qualify for the warranty extension, registration of the HaloFogger must be completed within thirty-days (30) from original date of purchase from a Halosil International Authorized Reseller or Distributor.

Register the HaloFogger online: go to www.halosil.com, click on "Register HaloFogger", or register via email at sales@Halosil.com. Insert "HaloFogger Registration" in the subject line and include the following information: contact name, company name, contact information (phone and email), address, purchase date, from whom HaloFogger was purchased, and the unit's serial number.

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Learn how to reduce infection rates at your facility by visiting **www.halosil.com.** There you can find out more about the Halo Disinfection System™, download literature and case studies, and find a distributor near you.

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