



Operations Guide to

APIVERA HE Hive Fogger

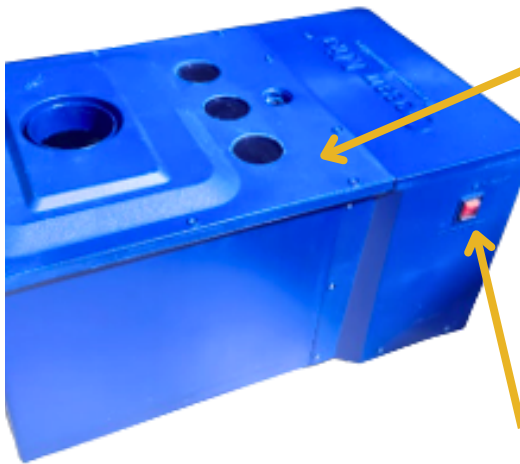
The ApiVera HE (High Efficiency) Hive Fogger is an all-in-one tool for hive management, designed to work seamlessly with ApiVera chemistries. Built for reliability and ease of use, it delivers consistent in-hive coverage to support colony health while ensuring beekeeper safety. This guide provides instructions on operation, handling, and maintenance to help you get the best results—whether you're a hobbyist, sideliner, or commercial beekeeper.

www.terravera.com/products/apivera-he-hive-fogger



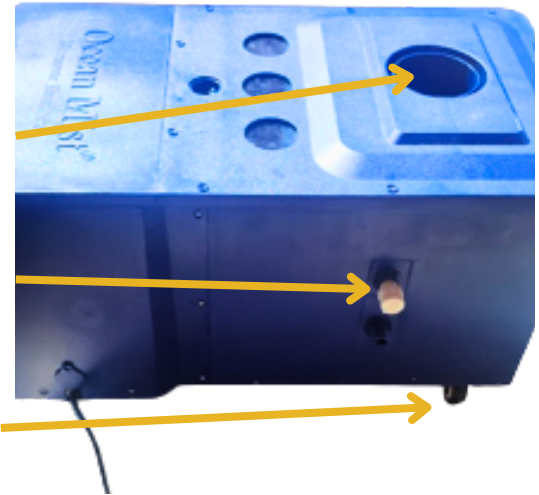
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Reservoir Lid

Start/Stop Switch



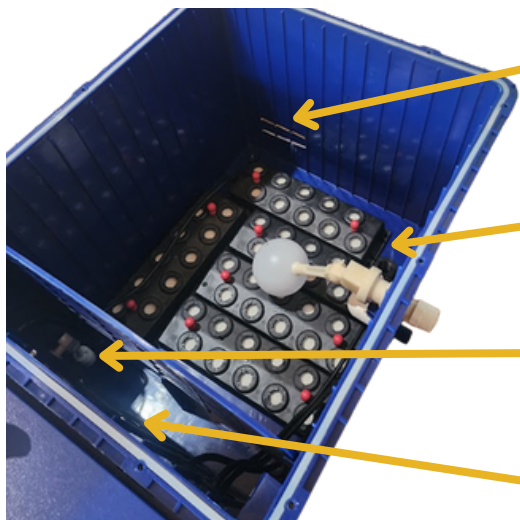
Fog Hose Connection

Overflow Port

Drain Port (Under)

HE Hive Fogger
FRONT

HE Hive Fogger
BACK



Fill Lines

Fog Generator (5x)

Shut-off Float

Blower Fan



Fog Hose

Lifting Handles (2x)

HE Hive Fogger
INTERNAL RESERVOIR

APPLICATOR
ON-HIVE



SAFETY PRECAUTIONS

GENERAL SAFETY WARNINGS

- Always disconnect power before servicing. Unplug the unit from the electrical supply before performing maintenance, cleaning, or moving the unit.
- Do not operate the unit if damaged. If the power cord, plug, housing, or any component appears damaged or compromised, discontinue use and contact a qualified technician.
- Avoid contact with live electrical components—risk of electric shock. Internal components carry high voltage. Only qualified personnel should open or service the unit.
- Do not submerge any part of the unit unless instructed to do so. Submersion of the entire unit may cause permanent electrical damage and risk of injury.
- Use only grounded (3-prong) outlets. The unit must be connected to a properly grounded GFCI-protected outlet. This reduces the risk of electrical shock.
- Do not modify the power cord or plug. Tampering with electrical connectors can cause fire or shock hazards and void certifications.
- Do not use in explosive atmospheres. Keep away from flammable liquids or vapors.

ELECTRICAL SAFETY NOTES

- Do not run the power cable through standing water or puddles. Keep all electrical components elevated and dry.
- Arrange cords to prevent tripping or cable damage. Avoid placing cables across high-traffic paths or sharp corners.
- Ensure all connections are dry before plugging in. Moisture at electrical interfaces may result in arcing and short circuits.
- Use only extension cords rated for outdoor use and with sufficient amperage. Indoor extension cords are not suitable and may cause overheating or fire.
- Do not operate the device if the plug or power cord is wet. Unplug and allow components to fully dry before reconnecting.

WATER HANDLING SAFETY

- Do not direct water spray toward electrical outlets or housing. Avoid splashing the power entry point of the device.
- Ensure all drain plugs and fittings are secure before operation. Loose connections can cause leaks and electrical hazards.

OUTDOOR USE CONSIDERATIONS

- Do not operate during lightning storms. Disconnect the unit from power to prevent damage from voltage surges.
- Protect the unit from freezing temperatures. Drain all water from the device when not in use to prevent internal damage.
- Shield the device from direct exposure to rain when not in use. Use a weatherproof cover or store in a dry location.
- Install on a stable, level surface. Avoid installing near slopes, loose soil, or uneven pavement.



OPERATOR NOTES

OPERATING SPECIFICATIONS

PARAMETER	SPECIFICATION
INCOMING VOLTAGE REQUIREMENT	120 VAC
INCOMING CURRENT REQUIREMENT	20 Amps
INCOMING POWER REQUIREMENT	2500 Watts
SYSTEM WEIGHT - HIVE FOGGER	60 lbs
SYSTEM DIMENSIONS - HIVE FOGGER	19"x32"x20"
SYSTEM WEIGHT - APPLICATOR	20 lbs
SYSTEM DIMENSIONS - APPLICATOR	21"x17"x12"

OPERATOR RESPONSIBILITIES

- Read and understand all instructions before use. Keep this manual available for future reference.
- Only operate the device as intended. Improper use may result in injury, equipment damage, or improper fogging.
- Keep unauthorized personnel away from the device during operation. Only trained and authorized users should operate the unit.



✓ **For easier mobility**, mount the HE Hive Fogger on a garden cart, ATV, or similar platform.

✓ **Before storage**, drain and rinse the reservoir with clean water.

⚠ **Do not lift** the on-hive Applicator by the hose or clear lid. Always lift by the handles or hive-box housing.

⚠ Maintain a **minimum liquid level of 6.5 L**. Below this level, the fog generators and fan will not activate.

⚠ **Do not overfill**. The maximum capacity is 10.5 L; exceeding this may prevent proper fogging.



OPERATING STEPS

1. PREPARE THE HE HIVE FOGGER

- a. Connect the Fog Hose to the Reservoir Lid Fog Hose connection using the plastic elbow fitting.
- b. Ensure all hose clamps are tight between the HE Hive Fogger and the on-hive Applicator.
- c. Verify the Reservoir Drain Plug is installed and secure.

2. CONNECT TO POWER

- a. Plug the HE Hive Fogger into a standard 120 VAC outlet.

3. FILL THE RESERVOIR WITH CHEMISTRY

- a. Remove the Reservoir Lid from the HE Hive Fogger.
- b. Fill the Reservoir to the **MAX FILL** line (yellow mark inside the HE Fogger Reservoir) with ApiVera Chemistry. Do not overfill, or the unit will not fog correctly.
- c. The **MINIMUM FILL** line (white mark) indicates the lowest operable level.
- d. Replace the Reservoir Lid securely. Screws are optional if the lid is fully seated and sealed against the reservoir.

4. INSTALL THE HIVE-TOP APPLICATOR

- a. Remove the top from the beehive.
- b. Place Applicator on top of the hive.
- c.  Lift by housing/handles — never by hose or lid.



OPERATING STEPS

5. APPLY CHEMISTRY

- a. Flip the Start/Stop switch to “ON” to begin fogging.
- b. Operate for the desired application time.
- c. Flip the Start/Stop switch to “OFF” to stop.
- d. Repeat for each hive, refilling the Reservoir as needed.
- e.  The fan may run briefly after shutdown; the Applicator can be removed immediately.

6. POWER DOWN & DRAIN

- a. Disconnect the unit from power.
- b. Drain the HE Fogger Reservoir by unscrewing the Drain Plug on the underside of the Reservoir.
- c. Rinse the fog generator devices with clean water.
- d. Reinstall the Drain Plug securely on the Reservoir Drain.

7. STORAGE

- a. Store indoors in a dry area, away from excessive moisture.
- b. Empty reservoir completely before storage.
- c. Rinse reservoir with clean water prior to storing.

TROUBLESHOOTING

ISSUE	POSSIBLE CAUSES	SOLUTIONS
No fog coming out of Applicator, front panel light is ON.	1. Liquid level low	1. Ensure liquid level is above the WHITE MINIMUM FILL line.
No fog coming out of Applicator, front panel light is OFF	1. Issue with 120 VAC power source.	1. Ensure the power source meets the system specifications.
There is fog present in the tank, but nothing comes out of the Applicator.	1. Fan needs to be cleaned 2. Issue with power supplied to the fan 3. Fan needs to be replaced	1. Wipe down the fan housing and blades with a warm, wet washcloth to remove any buildup 2. Contact Support
Fog output has decreased from the original amount.	1. Liquid level too high 2. Fog generator fuse needs to be replaced. 3. Fog generator(s) need to be replaced	1. Ensure the liquid in the Reservoir does not exceed the YELLOW MAXIMUM FILL line. 2. See "FUSE REPLACEMENT PROCEDURE" on page 9 for more information. 3. Contact Support

FUSE REPLACEMENT PROCEDURE

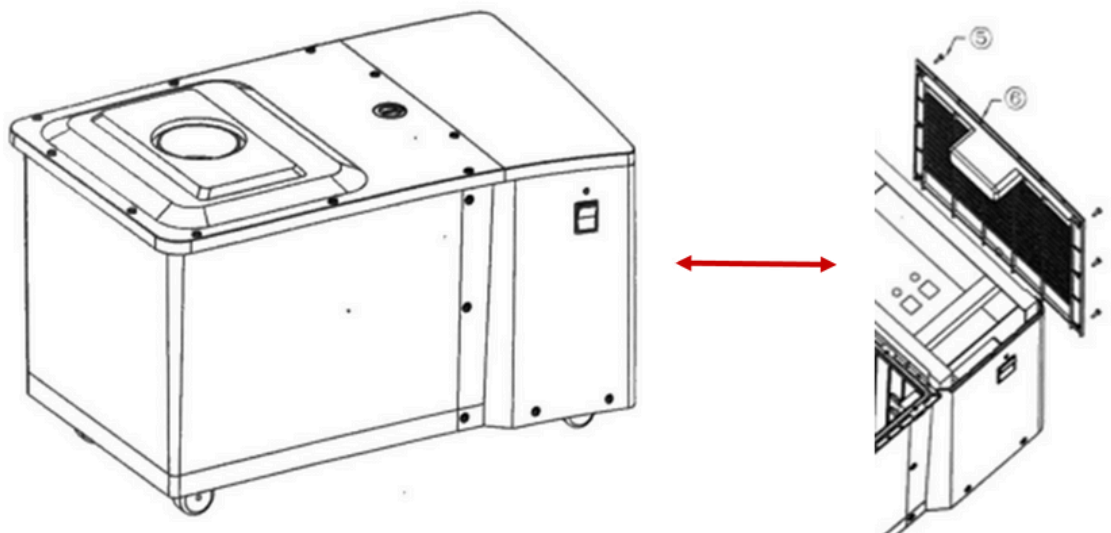
In rare circumstances, one or more of the Fog generators may stop working suddenly and completely. This is almost always due to a fuse burning out in the electrical cabinet of the device. Several spare fuses are included with the device. This section will outline the procedure for finding and replacing any blown fuses.

1. DISCONNECT THE UNIT FROM POWER

- a. Unplug the unit from its 120VAC power source.

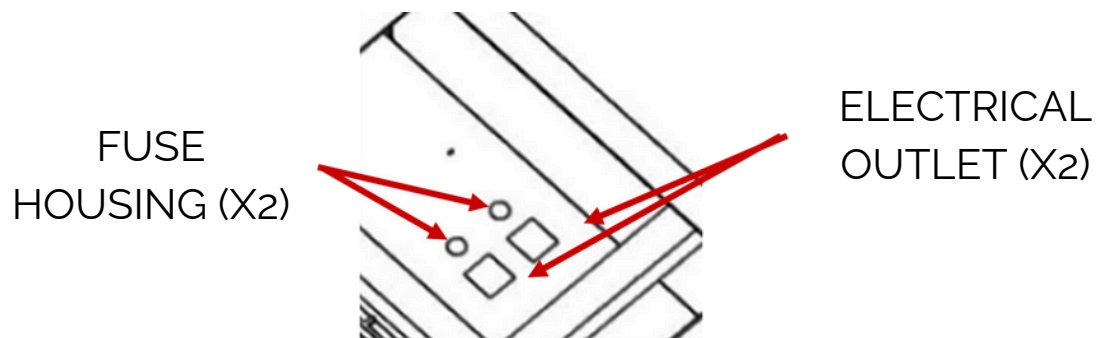
2. REMOVE THE ELECTRICAL CABINET ACCESS PANEL

- a. Remove the electrical access panel located on the short side of the device opposite the reservoir by removing the 6 screws holding it in place.
- b. Optional: remove the top panel from the electrical cabinet by removing 2 additional screws located below the first panel removed in step 2a.



3. DIAGNOSE THE BLOWN FUSE(S)

- a. The electrical cabinet consists of two identical shelves each having 2 individually-fused outlets installed in the top surface of the shelf.
- b. Fuses can be removed from their housings by unscrewing the spring cap counter-clockwise.
- c. Check the filament in the fuse housing to see if it has burned out.



ELECTRICAL CABINET SHELF TOP VIEW
(TOP SHELF ONLY)

4. REPLACE THE BLOWN FUSE(S)

- a. Replace the fuse with a supplied spare fuse and screw the spring cap back onto the fuse holder.

5. REINSTALL ELECTRICAL CABINET ACCESS PANEL

- a. Reinstall all panels removed in Step 2.

6. REMOVE THE ELECTRICAL CABINET ACCESS PANEL

- a. Re-connect the device to power.
- b. Add liquid to the reservoir until the liquid level is above the MINIMUM level line.
- c. Turn on the unit with the Reservoir lid removed and verify that all 5 Fog generators are running.

7. RESUME NORMAL USE OF THE DEVICE.

SERVICE/SPARE PARTS INFORMATION

Contact Terra Vera Support for any inquiries regarding spare and replacement parts via

[**www.terravera.com/contact**](http://www.terravera.com/contact)

or email

[**support@terravera.com**](mailto:support@terravera.com)



CONTACT US

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At Terra Vera, we're proud to stand alongside beekeepers in protecting colonies and advancing sustainable hive care. Your ApiVera HE Hive Fogger is built for reliability, but if you ever have questions about operation, maintenance, or best practices, our team is here to help. Whether you need troubleshooting support, guidance on treatments, or simply want to share your beekeeping experience, we'd love to hear from you. Together, we can build stronger, safer hives.

