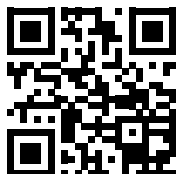




GERM-FOGGER
THE EVOLUTION OF PUBLIC SANITATION

OPERATIONS MANUAL

GF-BACKPACK



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HAZARD WARNINGS



Please read the manual carefully and pay special attention to the symbols and warning labels. No chemicals are ever supplied by Germ-Fogger™ LLC. All liquids used are solely responsible of the operator for this equipment. Warning labels indicate a potentially hazardous situation which, if not avoided, could result in death or serious injury. It is the owner's responsibility to ensure that all who operate this equipment read this manual.

HAZARD WARNINGS

- Read and fully understand the Germ-Fogger™ Operators Manual prior to using the equipment.
- Read and fully understand CDC approved product labels prior to using any liquid product with the Germ-Fogger™ equipment.
- Germ-Fogger™ equipment should never be used in an area containing volatile chemicals. Nor should it be used in any area containing volatile or explosive levels of gas, vapor or particles.
- Germ-Fogger™ should never be used by untrained personnel.

CLEANING SOLVENT HAZARD

Fluid from equipment that leaks or ruptures from a component can splash in the eyes or on skin, causing serious injury.

- Check hoses, tubes and couplings daily. Replace worn or damaged parts immediately.

PRESSURIZED EQUIPMENT HAZARD

Fluid from equipment that leaks or ruptures from a component can splash in the eyes or on skin, causing serious injury.

- Check hoses, tubes and couplings daily. Replace worn or damaged parts immediately.



FIRE, EXPLOSION AND ELECTRIC SHOCK HAZARD

Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire, explosion and electric shock:

- Germ-Fogger™ equipment must be used only by trained, qualified personnel who understand the requirements of this manual.
- Stop operation immediately if static sparking occurs or you feel shock. Do not use equipment until you identify and correct the problem.
- Never spray a flammable chemical.
- Do not plug or unplug power components when flammable fumes are present.
- Keep spray area free of debris, including solvents, rags, gasoline or any flammable chemicals.
- Keep a working fire extinguisher in the work area.

CHEMICAL MISUSE HAZARD

Each chemical, such as a disinfectant, has a unique set of hazards and needs to be handled properly to ensure worker safety.

- Never spray any liquid product that is not CDC approved. Be aware that many chemical liquids can be harmful if they are not used properly.
- Read and understand the approved CDC chemical and label prior to use.
- Be aware of first aid procedures related to the product in use.
- Never spray a flammable chemical (flash point less than 60°C) .
- Insure the area being sprayed has proper ventilation.
- Store chemicals in original containers in a cool, dry place, away from heat.

EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury

- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not leave the work area while unit is on.
- Turn off all equipment when not in use.
- Check equipment daily. Contact Germ-Fogger™ immediately to repair or replace worn/damaged parts.
- Route hoses and power cords away from traffic areas, sharp edges, moving parts, and hot surfaces
- Equipment warranty shall not apply to defects or malfunctions resulting from: improper use by owner, unauthorized modification, unapproved disinfecting agents, misuse, improper installation, or improper maintenance.

SAFETY PRECAUTIONS



Basic safety precautions must always be followed to reduce the risk of burns, fire, electrical shock, injury and/or death.

PROTECTIVE GEAR

- Personal Protective Equipment (PPE) must comply with the most updated American National Standards Institute.
- Eye and face PPE shall be distinctly marked to facilitate identification of the manufacturer.
- The following minimum requirements must be met by all protective devices:
- Provide adequate protection against the particular hazards for which they are designed.
- Be of safe design and construction for the work to be performed.
- Be reasonably comfortable when worn under the designated conditions.
- Fit snugly and not unduly interfere with the movements of the wearer.
- Be durable.
- Be capable of being disinfected.
- Be easily cleanable or disposable.

OPERATORS MUST USE FULLY ENCLOSED EYE-WEAR, CLOTHING, AND OTHER PROTECTIONS WHEN USING THIS DEVICE. ALWAYS USE APPROPRIATE PPE.

TECHINICAL SPECIFICATIONS



LIFETIME WARRANTY

EASY REGISTRATION



CHEMICAL CAPACITY

1 GALLON BLADDER BAG



LITHIUM ION BATTERY

20 HOUR BATTERY LIFE

Power Type	12V/20AH lithium ion rechargeable battery - 2,000 charge cycles.
Chemical Solution	Any commercial grade product with approximate viscosity of water.
Spray Gun Type	Lightweight aluminum and brass.
Hose Length	5 Feet.
Output Distance	2-5 Feet.
Output Volume	5.7 Oz/minute (166 ml/minute).
Chemical Capacity	1 Gallon bladder bag.
Flow Rate	5.7 Oz/minute (166 ml/minute).
Chemical Coverage	52,000 Sq. ft. per hour.
Run Time	20 Hours (10 hours continuous).
Nozzle Type	Brass - Fogging.
Nozzle Tip Replacement	Instant quick disconnect. No tools required.
Number of Nozzles	1 High-Pressure. 1 Low-Pressure. Additional nozzles available.
Number of Applicator Guns	1 Standard.
Droplet Size	Median diameter 35-40 microns.
Machine Weight	Less than 25 lbs.
Warranty	1 year for mechanical components. Lifetime on external bag.
Country of Origin	USA.



QUICK START GF-BACKPACK

PREPARING SPRAY

1. Operator must wear approved Personal Protective Equipment based on chemical manufacture requirements.
2. Visit [cdc.gov](https://www.cdc.gov) and read information labels about chemical usage and their hazards.
3. Clear the area for general public before disinfecting or sanitizing. Place signs or warning indicators to ensure no one should enter the area.
4. Ensure power button is switched to "OFF".
5. Ensure battery has sufficient charge.

EQUIPMENT SETUP

1. Twist open bladder bag cap and apply desired chemical cleaning with appropriate water ratio.
2. Close bladder bag cap tightly.
3. Place bladder bag inside the side pocket of the GF-Backpack.
4. Ensure the hose, applicator gun, external and internal components are properly secure.

OPERATIONAL PROCEDURES

1. Push the switch button "ON"
2. Direct the spray gun nozzle at the desired surface. Press the four finger trigger to initiate spraying.
3. Hold the trigger to allow the chemical liquid to pass through the hoses and applicator gun.
4. When spray successfully flows through the tip, follow a continuous path around the working area from high to low areas in a sweeping motion until all surfaces are covered.
5. Stop spraying the GF-Backpack by releasing the four finger trigger.
6. After spraying, keep the area closed to the public based on CDC chemical dwell time requirements.
7. Remove all warnings and signs after the sanitized time requirement is complete.
8. When complete, push the switch button "OFF".
9. Quick disconnect your spray nozzle tip and thoroughly clean all internal and external surfaces before next usage.
10. Store in a safe, dry place. Do not expose to or store in extreme heat or freezing temperatures.



For more information about operational procedures please visit our [Youtube Channel](#) or scan code with any smartphone or mobile device.
Note: All information is subject to change.

MAINTENANCE

In order for the GF-Backpack system to remain functional, the equipment should be cleaned and maintained after every use.

CLEANING CHEMICAL CAPACITY RESERVOIR

1. Ensure the GF-Backpack is turned off. Twist off cap and rinse out any excess liquid.
2. Fill the bladder with warm water (not so hot that it can scald you), add a cleaning tablet (or your home cleaning ingredients), seal the cap back on tight and shake.
3. Set it aside and let soak. Follow instructions for reservoir-cleaning tablets; if you're using a mixture of household ingredients, wait about 20 minutes.
4. When complete, turn on the GF-Backpack, pull the trigger, and allow the liquid to run through the hose and spray gun.
5. When drained, turn off GF-Backpack.
6. Open the cap and rinse the bladder bag thoroughly. Use a soft brush to scrub the interior if necessary.
7. Place your reservoir upright to dry. Allow ample amount of time before next usage.

CLEANING THE NOZZLE

The most important thing you can do to ensure trouble-free operation of this component is to rinse the nozzle out with clean water after every use. By cleaning your nozzle after each usage, you will avoid the long-term chemical buildup that eventually causes clogs, poor spray patterns, and shortened life of the nozzle components.

1. Quick disconnect the nozzle tip from the end of the gun. Remove the tip retention ring from the nozzle body base using two wrenches.
2. Inspect for any damage to the liquid tip, filter, and spraying capacitor.
3. Check for any debris and/or corrosion. Gently wash down with clean water and remove excess with a Q-tip or precision needle. If any issues are noted, remove/replace immediately.
4. Be sure to also thoroughly clean all exterior surfaces of the nozzle. Never use a wire brush, file, or sandpaper to clean any surface of the nozzle. Never spit or blow inside or around the nozzle component.



Important: The nozzle should never be hand-tightened. Never use pliers or other similar tools, as this may cause damage. If any issues continue to persist, remove/replace immediately. Refer to our [Youtube Video](#) on how to safely clean your nozzle.

WARRANTY

Product must be registered [here](#) online within 30 days with serial number provided on your unit. Germ-Fogger™ disinfecting system warranty to the original owner goes as follows:

CUSTOMER RESPONSIBILITIES

This warranty shall not apply to defects or malfunctions resulting from: improper use by owner, unauthorized modification, unapproved disinfecting agents, misuse, improper installation, or improper maintenance.

OBTAINING WARRANTY SERVICE

To obtain warranty service, products must be returned to the Germ Fogger factory, provided that prior authorization is obtained. In the event repair is authorized, owner shall prepay all charges for shipping products to the factory and Germ Fogger shall pay all shipping charges for the return of the products to the owner.

NON-TRANSFERABLE

This warranty is offered to the original end user owner only and is not assignable or transferable to any other party without the express written consent of Germ Fogger.

LIMITATIONS OF WARRANTY

GERM-FOGGER MAKES NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THIS PRODUCT. GERM FOGGER SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

EXCLUSIVE REMEDIES

The remedies provided herein are owner's sole and exclusive remedies. In no event shall Germ Fogger be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

For additional information about the products, please visit www.germ-fogger.com