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Vectorfog C20

Vectorfog C20 ULV Fogger Instruction Manual

Model: C20

Brand: Vectorfog

1. INTRODUCTION AND OVERVIEW

The Vectorfog C20 is a compact, handheld Ultra-Low Volume (ULV) fogger designed for efficient application of disinfectants, insecticides, and other liquid solutions. It produces an extremely fine mist, ideal for controlling insects, pests, and viruses in various environments. Its lightweight and portable design ensures ease of use and maneuverability.

Key features include a 2.0-liter tank capacity, a powerful 560-watt motor, and the ability to spray up to 8 meters (26 feet), making it suitable for both indoor and outdoor applications.

2. SAFETY INFORMATION

Always read and understand this manual completely before operating the Vectorfog C20. Failure to follow safety instructions can result in injury or damage to the unit.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including gloves, eye protection, and a respirator, when handling chemicals and operating the fogger.
- **Chemical Handling:** Use only chemicals approved for ULV fogging. Follow the chemical manufacturer's instructions for mixing, handling, and disposal. Do not use flammable liquids.
- **Ventilation:** Ensure adequate ventilation in the area being fogged.
- **Electrical Safety:** Do not operate the fogger with a damaged power cord or plug. Keep the power cord away from water and heat.
- **Storage:** Store the fogger and chemicals in a cool, dry, and secure place, out of reach of children and pets.
- **Supervision:** Never leave the fogger unattended during operation.

3. COMPONENTS

Familiarize yourself with the main parts of your Vectorfog C20 ULV Fogger:

- **Main Unit:** Houses the motor and internal components.
- **Liquid Tank:** 2.0-liter capacity for holding the fogging solution.
- **Tank Cap:** Securely seals the liquid tank.
- **Nozzle:** Located at the front, responsible for atomizing the liquid into a fine mist.
- **Power Switch:** Controls the ON/OFF function of the unit.
- **Power Cord:** Connects the unit to an electrical outlet.
- **Shoulder Strap:** For comfortable carrying during operation.



Figure 3.1: Side view of the Vectorfog C20 ULV Fogger, showing the main body and liquid tank.



Figure 3.2: Angled view of the Vectorfog C20 ULV Fogger, highlighting its compact design.

4. SETUP

Follow these steps to prepare your C20 fogger for operation:

1. **Unpack:** Carefully remove the fogger from its packaging and inspect for any damage.
2. **Position:** Place the fogger on a stable, flat surface.
3. **Fill Tank:** Unscrew the tank cap. Carefully pour the prepared fogging solution into the 2.0-liter liquid tank. Do not overfill. Securely screw the tank cap back on.

4. **Connect Power:** Plug the power cord into a standard 110V AC electrical outlet. Ensure the power switch is in the 'OFF' position before plugging in.



Figure 4.1: Close-up view of the liquid tank cap, indicating where to fill the solution.

5. OPERATING INSTRUCTIONS

Once the fogger is set up, you can begin operation:

1. **Power On:** Flip the power switch to the 'ON' position. The motor will start, and the fogger will begin producing a mist.
2. **Application:** Direct the nozzle towards the area you wish to fog. Move the fogger slowly and steadily to ensure even coverage. The fogger can spray up to 26 feet, allowing for wide area coverage.
3. **Particle Size:** The C20 produces an average particle size of 5-30 microns, which is ideal for ULV applications, ensuring effective penetration and coverage.
4. **Power Off:** Once fogging is complete, flip the power switch to the 'OFF' position.



Figure 5.1: The Vectorfog C20 in operation, demonstrating the fine mist output.



Figure 5.2: Examples of environments where the C20 ULV Fogger can be effectively used for sanitization and disinfection.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your fogger:

- **After Each Use:** Empty any remaining solution from the tank. Fill the tank with clean water and run the fogger for a few minutes to flush out the system. This prevents chemical buildup and clogging.
- **Clean Exterior:** Wipe down the exterior of the fogger with a damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Nozzle Inspection:** Periodically check the nozzle for any blockages or damage. Clean gently if necessary.
- **Storage:** Store the fogger in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the tank is empty and clean before storage.

7. TROUBLESHOOTING

If you encounter issues with your Vectorfog C20, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-----------------------------|---|---|
| Fogger does not turn on | No power supply; Damaged power cord/plug; Faulty switch | Check power outlet; Inspect cord/plug for damage; Contact support if switch is faulty |
| No mist or weak mist output | Tank empty; Nozzle clogged; Solution too viscous | Refill tank; Clean nozzle; Dilute solution as per chemical manufacturer's instructions |
| Motor running but no mist | Pump issue; Internal blockage | Ensure tank is filled; Flush system with clean water; Contact support if problem persists |

If the problem persists after attempting these solutions, please contact Vectorfog customer support.

8. SPECIFICATIONS

- **Model:** C20
- **Tank Capacity:** 2.0 Liters (50 Oz)
- **Voltage:** 110V
- **Motor:** 560 Watt
- **Flow Rate:** 30 LPH (Liters Per Hour)
- **Weight (Net):** 6.8 lb (3.08 kg)
- **Dimensions (L x H x W):** 19.69 x 8.27 x 10.24 inches (50 x 21 x 26 cm)
- **Spray Distance:** Up to 8 meters (26 feet)
- **Average Particle Size:** 5-30 microns

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Vectorfog website. Keep your proof of purchase for any warranty claims.

Vectorfog Customer Support: For assistance, please contact Vectorfog directly through their official channels.