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> Goodway BioSpray-10 Portable Cordless CO2 Powered Surface Sanitation System Instruction Manual

BioSpray BIO-SPRAY-10

Goodway BioSpray-10 Portable Cordless CO2 Powered Surface Sanitation System

Model: BIO-SPRAY-10 | Brand: BioSpray

1. PRODUCT OVERVIEW

The Goodway BioSpray-10 is a portable, cordless, CO2-powered surface sanitation system designed for efficient and quiet disinfection. This system utilizes a 10lb CO2 tank (empty, to be filled separately) to power a microdroplet spray gun, making it suitable for intermittent application of alcohol-based sanitizers and disinfectants without the need for electrical power.





Figure 1: Front view of the BioSpray-10 system. This image shows the compact, stainless steel design of the unit, featuring a top handle for portability and wheels at the base. The "GOODWAY" and "BIOSPRAY" logos are visible on the front panel.

Key Features:

- **Cordless and Nonelectric:** Operates solely on CO₂ pressure, eliminating the need for power outlets.
- **Portable Design:** Equipped with wheels and a handle for easy transport and storage.
- **Microdroplet Spray Gun:** Ensures efficient and even application of sanitizers.
- **Stainless Steel Construction:** Durable and resistant to corrosion.
- **Intermittent Application:** Designed for non-continuous use with alcohol-based sanitizers and disinfectants.

2. SAFETY INFORMATION

Read all instructions carefully before operating the BioSpray-10 system. Failure to follow safety guidelines may result in injury or damage to the equipment.

General Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), including eye protection, gloves, and respiratory protection, when handling chemicals and operating the system.
- Ensure adequate ventilation in the work area, especially when using CO₂ and chemical solutions.
- Keep the system away from heat sources, open flames, and direct sunlight.
- Do not modify the system or use it for purposes other than its intended use.
- Store chemicals and the system in a secure, cool, dry place, out of reach of children and unauthorized personnel.

CO₂ Tank Handling:

- Use only approved 10lb CO₂ tanks. Ensure the tank is empty before initial connection and filled by a certified supplier.
- Secure the CO₂ tank properly to prevent it from falling.
- Do not expose CO₂ tanks to temperatures exceeding 125°F (52°C).
- Always open the CO₂ tank valve slowly.
- In case of a CO₂ leak, ventilate the area immediately. CO₂ is an asphyxiant and can displace oxygen.

Chemical Handling:

- Only use alcohol-based sanitizers and disinfectants compatible with the system's materials. Refer to the chemical manufacturer's safety data sheet (SDS) for specific handling instructions.
- Do not mix different chemicals unless explicitly stated by the chemical manufacturer.
- Avoid direct contact with skin and eyes. In case of contact, rinse thoroughly with water and seek medical attention if irritation persists.

3. WHAT'S INCLUDED

The BioSpray-10 Surface Sanitation System package includes the following components:

TESTIMONIALS

“

“The BIOSPRAY-10 system sanitizes and disinfects quicker than other manual methods. As a non-profit, overhead expenses need to be carefully managed, and the BIOSPRAY-10 and BIOSPRAY D2 system did just that. With less labor and chemical costs.”

Keith Sorensen, SVP Facilities

Mystic Aquarium

Figure 2: Components included with the BioSpray-10 system. This diagram illustrates the main unit, an empty 10lb CO2 container, the 20-foot hose, the microdroplet spray gun, and a rinse bottle.

- 1 x BioSpray-10 Main Unit (Stainless Steel)
- 1 x Empty 10lb CO2 Container (requires filling)
- 1 x Microdroplet Spray Gun
- 1 x 20' (6M) Hose
- 1 x Rinse Bottle

4. SETUP INSTRUCTIONS

Follow these steps to set up your BioSpray-10 system for first use:

1. **Prepare the CO2 Tank:** Ensure your 10lb CO2 tank is filled by a certified CO2 supplier. The system operates without external power, relying solely on the CO2 pressure.

2. **Connect the CO2 Tank:** Carefully connect the filled CO2 tank to the designated inlet on the BioSpray-10 unit. Ensure a tight seal to prevent leaks. Refer to Figure 3 for connection points.
3. **Attach the Hose:** Connect one end of the 20' (6M) hose to the high-pressure outlet on the BioSpray-10 unit and the other end to the inlet on the microdroplet spray gun. Hand-tighten connections securely.
4. **Fill the Solution Reservoir:** Open the reservoir cap on the BioSpray-10 unit and carefully pour your chosen alcohol-based sanitizer or disinfectant into the reservoir. Do not overfill. Close the cap securely.
5. **Check Gauges:** Before operation, verify that the pressure gauges on the unit indicate appropriate pressure levels (Operating Pressure: 24 - 26 PSI).



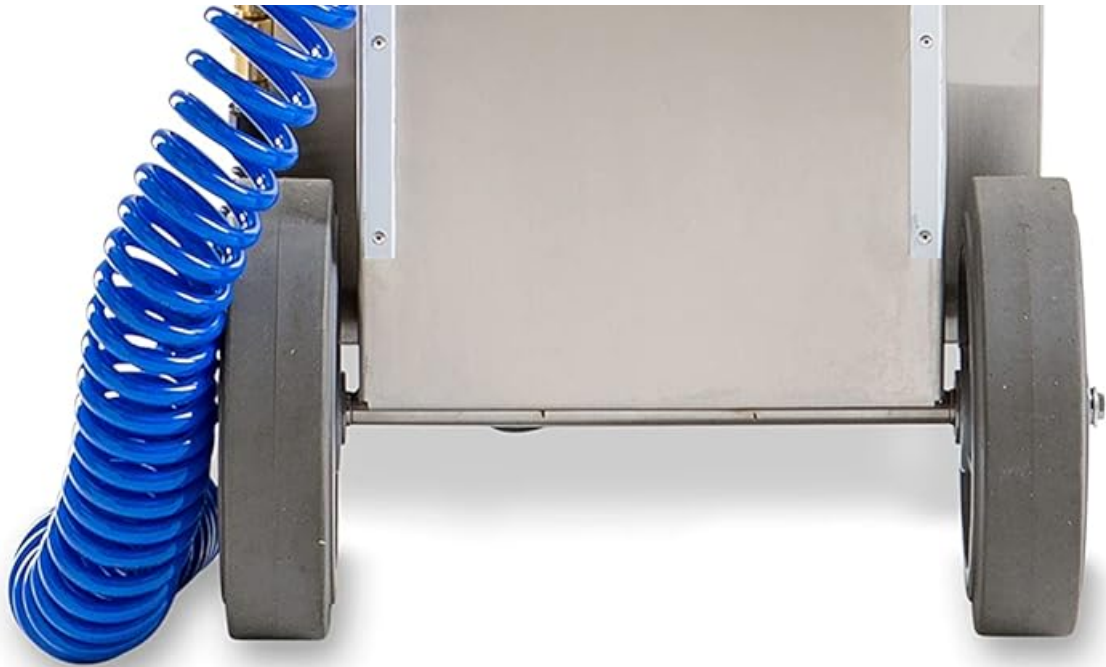


Figure 3: Rear view of the BioSpray-10 system. This image highlights the control panel with two pressure gauges (one for USA, one for EU), the CO2 tank connection port, and the hose attachment point for the spray gun. Warning labels are also visible.

5. OPERATING INSTRUCTIONS

The BioSpray-10 system is designed for simple and effective surface sanitation. Follow these guidelines for optimal performance:

1. **Power On:** Slowly open the valve on the CO2 tank to pressurize the system. The pressure gauges should rise to the operating range of 24-26 PSI.
2. **Prepare Area:** Ensure the area to be sanitized is clear of obstructions and sensitive materials.
3. **Begin Spraying:** Hold the microdroplet spray gun approximately 6-12 inches from the surface. Press the trigger to begin spraying. Apply an even mist over the target surface.
4. **Intermittent Use:** The system is designed for intermittent applications, not continuous spraying. Release the trigger periodically to allow the system to maintain optimal pressure and prevent over-application.
5. **Target Surfaces:** The BioSpray-10 is effective for sanitizing various surfaces, including countertops, gym equipment, office furniture, and other high-touch areas.
6. **After Use:** Once sanitization is complete, close the CO2 tank valve. Depressurize the system by holding the spray gun trigger until all pressure is released.



Figure 4: BioSpray-10 in use for sanitizing gym equipment. A user is shown operating the spray gun to apply disinfectant to a leg press machine, with the BioSpray unit positioned nearby.



Figure 5: BioSpray-10 in use for sanitizing office desks. A user wearing a mask and gloves is spraying an office workstation, demonstrating the system's application in a professional environment.



Figure 6: BioSpray-10 system in an office environment. This image emphasizes the system's key benefits: it quickly sanitizes, requires no external power, and is highly portable, as indicated by text overlays.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your BioSpray-10 system.

- **Cleaning the System:** After each use, especially when changing chemical solutions, use the provided rinse bottle to flush the system with clean water. This prevents chemical buildup and clogging.
- **Spray Gun Care:** Periodically clean the nozzle of the microdroplet spray gun to ensure an even spray pattern. If clogging occurs, refer to the troubleshooting section.
- **Hose Inspection:** Regularly inspect the hose for any signs of wear, cracks, or leaks. Replace the hose if damage is detected.
- **Storage:** When not in use, ensure the system is depressurized and stored in a cool, dry place, away from direct sunlight and extreme temperatures.

- **CO2 Tank:** Store CO2 tanks upright and secured. Do not store empty tanks indefinitely; have them refilled or properly disposed of according to local regulations.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your BioSpray-10 system.

Problem	Possible Cause	Solution
No spray or weak spray	CO2 tank empty or valve closed Low CO2 pressure Hose kinked or disconnected Spray gun nozzle clogged Solution reservoir empty	Check CO2 tank level and ensure valve is fully open. Verify pressure gauges. If low, replace/refill CO2 tank. Inspect hose for kinks or disconnections. Clean spray gun nozzle. Refill solution reservoir.
System not holding pressure	Loose connections Damaged hose or seals	Check all connections (CO2 tank, hose, spray gun) for tightness. Inspect hose and seals for visible damage. Contact support if damage is found.
Uneven spray pattern	Partially clogged nozzle Incorrect operating pressure	Clean spray gun nozzle thoroughly. Ensure CO2 pressure is within 24-26 PSI.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	BIO-SPRAY-10
Product Dimensions	25 x 16 x 40 inches (L x W x H)
Weight (Empty)	86 Pounds
Input Power	None, uses 10lb CO2 tank
Operating Pressure	24 - 26 PSI
Material Feature	Stainless Steel

Feature	Detail
Item Form	Spray
Specific Uses For Product	Countertop (and other hard surfaces)

9. WARRANTY AND SUPPORT

Goodway Technologies is committed to providing high-quality products and customer satisfaction.

Returns Policy:

This product is eligible for a **30-day easy returns** policy. Please refer to your purchase documentation or contact the seller for detailed return instructions and conditions.

Customer Support:

For technical assistance, troubleshooting, parts, or any other inquiries regarding your BioSpray-10 system, please contact Goodway Technologies Corp, the manufacturer and seller of this product.

You can typically find contact information on the manufacturer's official website or through your purchase platform's customer support portal.

Note: Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition. This product is a sanitation system.