



 **SteriZAP[®]**
Electrostatic
Backpack Sprayer



READ THIS MANUAL IN FULL BEFORE USING THE DEVICE FOR THE FIRST TIME

Catalog #	Description	Package Contents
E700EBS	SteriZAP® Electrostatic Backpack Sprayer	Main Sprayer Body 1 Charging cable 2 Shoulder straps 2 Sets of extra nozzles (5 each for a total of 10)
Specifications:		
Lithium rechargeable battery: 24 Volts, 30 AH, 200 W. 9-10 operating hours (without booster fan); 3.5 hours (with booster fan); 90 minutes charging time.		
Effective range: 10-20 feet/3-6 meters with booster fan 3.3-6.6 feet/1-2 meters without booster fan		
Tank Capacity: 2.27 gallons (10 liters)		
Weight: 25.4 lbs (11.5 kg)		

Related Products	Catalog #
SteriZAP® Germicidal Sprayer	E800GSP
SteriZAP® UV-C Room Sterilizer, 110V	E500UVCT
SteriZAP® Sterilization Robot	E900ASR
FirstResponder® Handheld UV-C Sterilizer, 110V	E500UVCT
FirstResponder® Sterilizer, 110V	E4110FRS

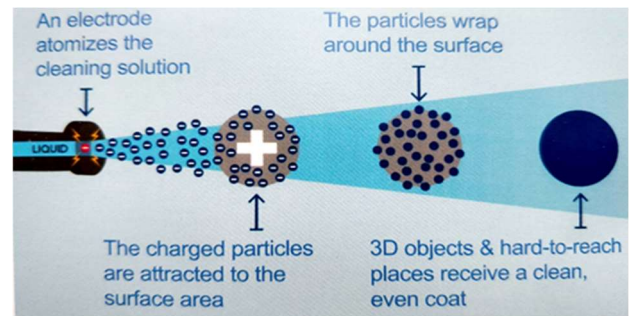


Figure 1: Electrostatic spray illustration

INTRODUCTION

Congratulations on the purchase of the Genlantis SteriZAP® Electrostatic Backpack Sprayer. This rechargeable battery powered unit was designed and developed for spraying disinfecting liquids in the air and on multiple types of surfaces to help eradicate or reduce disease causing pathogens.

The SteriZAP® Electrostatic Backpack Sprayer works by adding a negative charge to liquid molecules as they pass through the sprayer nozzle. The charged droplets that are produced repel each other and this results in stronger surface adhesion and a wraparound effect for a more complete cleaning procedure (Figure 1). The SteriZAP® Electrostatic Sprayer will improve labor efficiency while reducing chemical waste and overspray. Disinfection and sterilization tasks have never been easier or more efficient.

Features and Benefits of the Genlantis SteriZAP® Electrostatic Backpack Sprayer

Features	Benefits
Rechargeable Battery Power	Portable, easy to maneuver, maximum convenience
2.7 gallons (10 liters) tank capacity	Suitable for medium to large jobs
Sturdy and lightweight construction	Durable and long lasting
Backpack or cart formats	Optimizes mobility and flexibility for comprehensive sterilization
Simple Design	Easy to maintain and low cost of ownership



PRECAUTIONS AND WARNINGS

- (a) When using chemical disinfectants, refer to manufacturer's documentation for correct and safe use of chemical, and wear protective personal equipment whenever indicated.
- (b) Users must be grounded when using these devices, and failure to do so can create a risk of sparks or electrical shock.
- (c) Only use water soluble disinfectants or chemicals. Do not use sprayer with chemical solutions like alcohols or other highly volatile compounds.
- (d) Store the sprayer unit in a cool dry place. Do not immerse in water or expose to extreme temperatures.
- (e) Do not use or operate the sprayer if it has been damaged or if it is not working properly.
- (f) Read this manual in full before first use. If possible, practice using this sprayer with water only to get a feel for spray output, and to correctly gauge appropriate distance and intensity of spray.

OPERATING INSTRUCTIONS

1. Before first use, fully charge the SteriZAP Electrostatic Sprayer. The unit will be fully charged when the charger light changes from red to green.
2. Unplug the sprayer from the charger cable, and fill the tank (1) with the needed disinfecting solution.
3. While pointing the sprayer gun (2) at the area or object to be sprayed, turn the Main Power Switch (3) on. The unit will start spraying a fine mist.



IMPORTANT: it is important to stay grounded during the use of the electrostatic sprayer in order to avoid sparks or electric shock. This is achieved by wearing leather shoes or a grounding strap. The unit has a grounding

4. For most indoor applications, aim to cover surfaces with an even coat of solution by continuously moving the sterilizer gun from side to side in even strokes.
NOTE: do not saturate areas with too much liquid to avoid material damage and/or slippery walking surfaces.
5. For outdoor applications, or whenever needed, the booster fan can be used to extend the range and output of the spray gun. Turn the booster fan on by turning the fan switch (4) on.
6. When finished spraying, turn off the fan switch first, then turn off the main power switch second.

CLEANING AND MAINTENANCE

The SteriZAP Electrostatic Sprayer is a durable and low maintenance unit. Occasionally, or when unit performs unusually, we recommend the following:

1. Empty the main tank from all solutions, and inspect the tank interior for visible debris; rinse if necessary.
2. Clean the two filters on tank bottom (Figure 2): unscrew each filter carefully by twisting counter clockwise on the base of the filter (avoid twisting on the top or narrow part of the filter to avoid breakage). Remove and rinse filters using clean water only.



Figure 2: Interior tank filters

3. Remove spray head screw (Figure 3) by turning counter clockwise.
4. Remove spray head filter (Figure 4) by turning the spray handle upside down and tapping gently.
5. Clean filter carefully by immersing in a small cup or bowl of water and using soft brush or sponge if needed. **DO NOT rinse filter under running water to avoid losing the filter.**
6. Re-insert spray head filter inside spray head opening with the help of tweezers; make sure the filters is inserted correctly as shown in Figure 4 (narrow part of filter towards the bottom).
7. Reinstall spray head screw and tighten to form a tight seal. **DO NOT overtighten this screw, only gentle pressure is needed.**

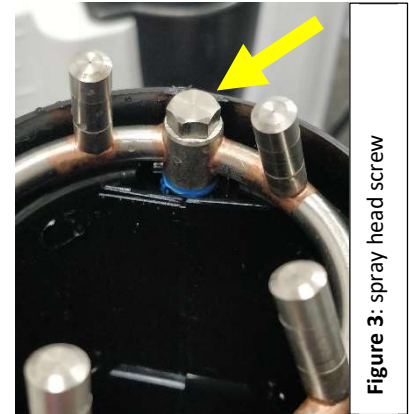


Figure 3: spray head screw



Figure 4: spray head filter

TROUBLESHOOTING

Symptom	Possible Cause	Solution
Machine will not run	<ol style="list-style-type: none"> 1. Battery low or empty (battery will go on automatic protection when the power light is red) 2. Overload protection 	<ol style="list-style-type: none"> 1. Recharge battery. 2. Let the sprayer cool down in a well-ventilated space for a minimum of 30 minutes.
No Spray	<ol style="list-style-type: none"> 1. Low or empty solution tank 2. Lid of solution tank is not tightened. 3. Spray nozzle is blocked 	<ol style="list-style-type: none"> 1. Refill tank with solution. 2. Tighten solution tank lid. 3. Clean the nozzles and spray head filter.