



EPIX360™ Electrostatic Sprayer
User Manual

Ver. 072420

Thank you for choosing the EMist EPIX360™ Electrostatic Sprayer.

We've created an easy-to-use system that combines advanced liquid application technologies with improved mobility. The result is superior application and enhanced disinfection, as well as a convenient design for users.

We recommend you read through this entire instruction manual before beginning.

Included are assembly, operating, and safety instructions. Following these manufacturer guidelines will help the system perform at peak effectiveness, extend the life of the product, and ensure operator safety.

Questions?

Each component has been inspected prior to your purchase. However, in the event that there is a problem, please contact our customer care center at Emist.com.



EPIX360™ Electrostatic Sprayer User Manual

1. General Precautions & Safety Warnings

The EMist EPIX360™ electrostatic sprayer is a battery-powered liquid spray system designed to improve the performance of water soluble or water based disinfectant solutions used on touchable and other exposed surfaces. This is accomplished by applying an electrostatic charge to the surface of the liquid droplets as they leave the spray nozzle. This unique process improves liquid adhesion to targeted surfaces.

The hazards associated with the liquids you choose to apply represent their own unique and important safety requirements. Refer to each chemical manufacturer's documentation to establish best use steps and any need for personal protective equipment (PPE).

Never point the spray applicator at another person and never touch or handle the charging ring within the applicator (front end) during spraying. This will help avoid chemical splash and other possibly unsafe spraying conditions.

DO NOT USE LIQUIDS THAT ARE NOT WATER SOLUBLE OR WATER BASED WITHIN THE SPRAYER. HIGH ALCOHOL CONTENT LIQUIDS MUST NEVER BE SPRAYED NEAR AN OPEN FLAME OR OTHER POSSIBLE IGNITION SOURCES.

Safety Notes:

Users are required to read this User Manual, understand the safe and correct operating procedures that pertain to the operation of the sprayer, and maintain the product according to the User Manual. It is the operator's responsibility to ensure that any person who uses this equipment has read this manual.

Chemical Safety Precautions:

Read and follow all instructions on the chemical manufacturer's label.

- Follow the chemical manufacturer's recommendations to handle, mix, apply, store, and dispose of their chemicals.
- Follow the personal protective equipment (PPE) requirements as recommended by the chemical manufacturer's safety data sheet (SDS).

Lack of attention to safety can result in reduced efficiency, accident(s), or personal injury. Use the following safety precautions as a guide when using this machine:

- Read the User Manual thoroughly. Failure to read the manual is considered misuse of the equipment.
- Use the sprayer only for its intended use as directed in this manual.
- Familiarize yourself with all components, including caution and warning labels.
- Only trained and qualified personnel should operate the sprayer.
- Do not use the equipment while under the influence of drugs or alcohol.
- Remove the tank and battery when leaving the equipment unattended.
- Store the system in a cool, dry place. Do not expose to extreme temperatures.
- Flush the system before storing.



Safety Warning:

Do not use the electrostatic sprayer if you have a pacemaker or an Implantable Cardioverter Defibrillator (ICD) or stand within 10 feet if you use such devices, as this product contains an electrostatic device that may interfere with these type of devices. Contact your physician prior to operation if you are unsure if this system will interfere with your implant.

Electrical Warning

To reduce the risk of electrical shock or injury, follow these guidelines:

- Do not place body parts or any foreign object into any opening of the sprayer.
- Never reach inside of the sprayer while the system is powered on.
- Never place equipment in standing water or liquid.
- Never operate the sprayer if it has been damaged or if it is not working properly.

2. Initial Inspection & Set Up - Inventory

After unpacking, inspect components for any damage or missing hardware pieces, etc. The following should be included in your bundle package:

Items Included:	Accessories & Parts Sold Separately:
1. Electrostatic Sprayer	EP36BTLI20 - Battery
2. Tank	EP36CHLI20 - Battery Charger (US)
3. Tank Liners (qty. 4)	EP36CHEU20 - Battery Charger (EU)
4. Tank Cap Assembly	EP36TK0820 - Tank
5. Tank Cap Cover	EP36TKL820 - Tank Liners (qty. 5)
6. 14.4v Batteries (2)	EP36TCA820 - Tank Cap Assembly
7. 14.4v Battery Charger	EP36TCC820 - Tank Cap Cover
	EP36NZT820 - Nozzle Tip



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Storage Case

- 1. Electrostatic Sprayer:** a cordless, handheld electrostatic sprayer that is powerful, durable, and provides breakthrough disinfectant application performance.
- 2. 8oz. Tank:** Interchangeable 8oz liquid tank includes 8oz liner with cap washer, cap with strain filter and tank cap cover. The tank was specifically designed to fit securely onto the sprayer and is easy to use. The tank has a tab along the threads to keep a user from over rotating the tank cap.
- 3. 8oz Liquid Tank Liners:** The purpose of our 8oz tank disposable tank liners is to provide all directional spraying and the ability to use all the disinfectant within the tank. Our tank liners are manufactured to be used up to 100 hours or 3 months before an actual liner physically must be replaced.
- 4. Tank Cap Assembly:** The tank cap assembly comes with the cap, a check valve, O-ring and strain filter. This cap is designed to fit securely onto the tank. The cap has a tab in order to stop over rotation onto the tank.
- 5. Tank Cap Cover:** The cap cover is the main piece that locks the tank in place on the sprayer along with the clip on the back of the unit. This allows for all directional spraying, including upside down when needed.
- 6. Rechargeable Battery:** The system comes with 2 14.4v lithium ion batteries. Each has a 3-bar green indicator light to determine charge. If the battery shows no bars, then place on the charger for recharging.
- 7. Battery Charger:** The battery charger comes with 110-120v standard plug. It provide approximately 45 minutes to recharge a battery.

3. Assembly & Operating Instructions

Tip: Charge battery first

1. Plug charger cord into wall outlet.
2. Install battery into charger.
3. Reference power indicator (3 bars = full charge)

Step 1: Install Battery into Charger.

- To install, slide battery pack into the charger until the battery pack is firmly seated. It will click into the slot.
 - Note: Some chargers might require more force on first seat.
- Once battery is on the charger, a flashing red light indicates the battery is charging.
- Once the battery is fully charged, a solid red light will indicate fully charged
 - Tip: A fast blinking light on the charger indicates battery pack is not seated correctly.
- To remove battery from charger, grasp battery pack firmly, depress battery pack button down, and slide out from the charger.
- To check charge, press down on the battery indicator light, the light will illuminate 3 green bars when battery is fully charged.

Step 2: Liquid Tank Removal:

- To remove the 8oz tank from the spray system by holding the tank cap cover and the tank while gently pulling up on the front of the tank from the spray system to remove it from the tank lock. Then pull up on the back to remove it from the tank back clip.
- This removes the whole tank assembly from the sprayer.

Step 3: Removing the Tank Cap Cover & Cap.

- With the tank removed from the sprayer and holding it vertically, pull the tank cap cover straight up. No twisting is required.
- To remove the tank cap, gently turn the cap counterclockwise until it is fully removed from the tank.

Step 4: Installing the Tank Liner:

Tip: When you first receive your sprayer bundle, a tank liner is already installed in the tank for you. It includes the cap washer which is required for the liner to sit correctly into the tank itself. The liner is manufactured to last 100 spray hours or up to 3 months.

- When replacing your tank liner, first remove the used liner from the tank with the black cap washer by firmly holding the tank.
- Once removed from the tank, remove the liner from the black cap washer by holding the liner firmly in one hand, and pushing upwards on the washer to remove it from the liner threads.
- Get new liner, push the black cap washer on by pushing it down around the spout of the liner. Push the cap washer until the top of the liner spout and washer are flush with each other.
- Once the liner is installed with cap washer, fold the liner in an accordion style and slide it into the tank until the cap washer is flush with the tank opening.

Tip: When a new liner is first installed it requires air to be blown into it for the liner to fully expand. By doing this the liner becomes fully inflated for all 8oz of fluid to fill the tank.

Caution: If a tank liner is not used, then the liquid will leak from the small holes in the bottom of the tank.

These holes allow for air to escape through the tank itself to collapse the liner. Collapsing the liner, is what makes the system capable of using all liquid solutions and provide all directional spraying.

3. Assembly & Operating Instructions

Warning: Do not plug the hole in the bottom of the tank to keep from using the tank liner. This will void the warranty if done. There is high potential for burning up the pump if this is done.

- Once this is completed, pour the diluted or ready to use solution into the tank.

Step 5: Installing the Tank Cap and Cover:

- To install the tank cap, gently turn clockwise against the threads until the cap no longer turns.
- Each tank cap has a stopper along the tank that prevents overturning.
- To install the tank cap cover, simply line the opening of the cover with the nose of the tank cap.

Step 6: Installing the 8oz Liquid Tank:

- To install the 8oz tank onto the sprayer, align the tank nozzle to the port on the body of the sprayer and gently press in until you hear a click. This is the tank lock locking into place along with the tank back clip. This is what holds the overall tank in place.

Step 7: Depress the Trigger Button to Begin Spraying:

- Once the system has been filled with liquid solution, you can begin spraying.
- Depress the trigger button located on the front of the sprayer handle, hold it down for the entire spray time required for surface treatment.
- The red indicator light at the back of the system indicates power on, and the high voltage power supply is charging the liquid droplets and recognizes power to the system.

Tip: When first starting to spray, the system needs to be primed with liquid, hold down the trigger button for 10 to 15 seconds or until the sprayer produces the mist. This needs to be done every time a tank is refilled, or the liner has been replaced.

4. Spray Application

Spray Application Process

1. Begin at the farthest point from the doorway, work toward the doorway so you can step out when application is complete.
2. Aim the electrostatic sprayer 24" to 36" from the surface target area, begin with a smooth figure "S" movement aiming below, at, and above the surface target area while walking at an average pace continuously moving.
3. Make sure you are working in a methodical "S" pattern and let your passes overlap when moving to the next surface target area.
4. Allow treated area to sit for contact/dwell time as recommended by the chemical manufacturer's label before re-entry into the area.

TIP: IF THE APPLICATOR BECOMES WET OR BEGINS TO DRIP, YOU ARE MOVING TOO SLOW OVER THE SURFACE TARGET AREA AND NEED TO SPEED UP THE APPLICATION PROCESS. DO NOT OVER-SATURATE THE SURFACE. IF YOU SEE RUNS OR PUDDLES, YOU ARE APPLYING TOO MUCH CHEMICAL. THE GOAL IS TO ACHIEVE EVEN COVERAGE OVER THE TARGET SURFACE AREA.

Preparing the Spray Area:

Loose debris must be swept from floors and other surfaces prior to application. Inspect the area for mechanical barriers such as: magazines on tabletops, chairs touching each other, a table or a wall. The intended target surface area for application will need to be accessible. Please cover and remove valuables. Electronics, furniture, paper or other common necessities do not need to be removed from the area.

Once the area has been cleaned, application can begin.

This system is NOT a mechanical cleaner.

Fluid Management

The sprayer is designed for single or multiple application environments. Please use the multiple tank applications carefully by marking tanks with your chemical identifiers when necessary.

Tips:

- Stay in motion. Electrostatically charged droplets will accumulate in higher levels at the tip of the applicator if you move too slowly while the device is in use.
- Do not over apply. The tendency to "paint the fence" is an over usage of chemicals.
- In between chemical changes press the trigger while pointing to the floor or other safe target area for four to five seconds to clear the remaining chemical in the system.

Battery Management

- Fully charge each battery before use.
- Always keep connectors clean and dry.
- Do not expose batteries to standing liquid or excessive heat.
- Only charge battery packs with an EMist charger.

5. Maintenance & Cleaning

Flushing the Electrostatic Sprayer

TIP: IT IS GOOD PRACTICE TO FLUSH THE SYSTEM EVERY 24 HOURS WITH WATER. DO NOT STORE CHEMICALS IN THE RESERVOIR WHILE THE SYSTEM IS NOT IN USE FOR MORE THAN 24 HOURS.

The sprayer is designed to require minimal maintenance and cleaning.

Tips:

- Flush the system at least once a day by spraying at least 4oz (1/2 a tank) of water through the sprayer for at least 10-15 seconds.
- Do this by filling the tank and liner with 4oz (1/2 a tank) of water and continuously depressing the trigger button, this will flush the entire system.
- After flushing the system, inspect for any debris or damage from the days use.

Changing Chemicals

TIP: IT'S IMPORTANT TO FLUSH THE SYSTEM IN BETWEEN USES OR WHEN SWITCHING CHEMICALS TO PREVENT RESIDUAL BUILD UP AND TO AVOID MIXING CHEMICALS.

Tips:

- Fill the tank and liner with 4oz (1/2) a tank) of water.
- Spray for at least 10-15 seconds to flush the previous chemistry from the system.
- Pour the new solution into the recently flushed tank to begin next surface treatment.
- Make sure the system is primed with the new solution by depressing the trigger button continuously for about 5 to 10 seconds.

Battery Removal

Tips:

- Make sure the system is off.
- Remove the battery from the sprayer by grasping the battery pack firmly, depress the battery pack button down and slide out from the bottom of the unit.
- Place battery into charger to fully charge for next usage. Each battery takes approximately 45 minutes to fully charge
- Store extra batteries in a cool, dry place.

Storage

Empty fluid or run until empty

- Insert at least 4 oz of water into the liquid tank.
- Run the sprayer for at least 10 to 15 seconds to flush active chemicals from the system.
- Remove batteries and re-charge by placing on the charger.
- Wipe down exterior with water or alcohol to remove dirt and soil.
- Use the battery power indicator to determine the battery's state of charge (3 bars = full charge).
- Remove the tank and battery from the system when not in use. This keeps the unit from leaking or getting any fluid into the battery compartment or the contacts.

CAUTION: DO NOT STORE THE SPRAYER IN AN AREA THAT MAY FREEZE (TO AVOID DAMAGE FROM LIQUID REMAINING IN THE SYSTEM AND LINES). THIS WILL VOID THE WARRANTY. DO NOT STORE THE UNIT IN EXTREME HEAT, AS IT DOES HAVE CIRCUIT BOARDS AND ELECTRICAL COMPONENTS. THIS WILL VOID THE WARRANTY. TO PREVENT CROSS CONTAMINATION OF CHEMICALS, YOU MUST PERFORM A FLUSH ANY TIME YOU CHANGE THE TYPE OF CHEMICALS BEING USED.

6. Troubleshooting, Support & Repair

The EPIX360™ is designed and manufactured to function without defects. The system will operate normally with properly maintained batteries and without abuse to any parts of the system.

Indications & Remedies

PLEASE SEE BELOW FOR EASY INSTRUCTIONS FOR ADDRESSING ISSUES THAT MAY ARISE WHILE USING THE EPIX360™

Issue	Reason	Troubleshooting	Result
NO POWER TO THE SYSTEM (BATTERY)	BATTERY NOT INSTALLED CORRECTLY BATTERY NOT CHARGED BATTERY DOES NOT SLIDE EASILY INTO THE SLOT (DO NOT TRY TO SLAM THE BATTERY TO SEAT)	VERIFY BATTERY CONNECTOR ISSUE BY TRYING THE 2ND BATTERY TO DETERMINE IF IT WILL NOT SEAT CORRECTLY. IF NOT, BATTERY IS MECHANICALLY OBSTRUCTED	RETURN TO NORMAL USE
SYSTEM OPERATES, BUT RED INDICATOR LIGHT NOT ILLUMINATING	HIGH VOLTAGE POWER SUPPLY LED IS BROKEN HIGH VOLTAGE POWER SUPPLY IS NOT WORKING	CALL CUSTOMER CARE	RETURN TO NORMAL USE
NO MIST OR INADEQUATE MIST	TANK EMPTY TANK NOT SEATED CORRECTLY SYSTEM LINES NOT PRIMED BATTERY NOT FULLY CHARGED NOZZLE CLOGGED RELEASE CHECK VALVE MISSING FROM PORT OF SYSTEM INTERNAL COMPONENT LEAK	FILL TANK REMOVE TANK AND RE-APPLY PRIME SYSTEM FOR 5 TO 10 SECONDS AFTER REPLACING TANK CHARGE TO FULL BATTERY REMOVE NOZZLE TIP TO CHECK IF ANY RESIDUAL OR CONTAMINANT IS BLOCKING REPLACE CHECK VALVE IF MISSING CALL CUSTOMER CARE	RETURN TO NORMAL USE
	PUMP FAILURE	CALL CUSTOMER CARE	
NOZZLE TIP LEAKING OR DRIBBLING	REMOVE TANK WHEN SYSTEM NOT IN USE NOZZLE EXTENSION & TIP ARE NOT LINED UP OR CHECK VALVE IS NOT SEATED CORRECTLY	WITH A ½" DEEP SOCKET, ADJUST TIP BY SLOWLY ROTATING A ¼ TURN UNTIL FULL MIST CONE IS PRODUCED	RETURN TO NORMAL USE
SYSTEM TURNS ON AND OFF AUTOMATICALLY	TRIGGER BUTTON FAILURE	CALL CUSTOMER CARE	RETURN TO NORMAL USE

Support or Repair

If your system fails to function, excluding obvious user damage, please contact EMist or your authorized EMist distributor.

If an issue occurs that is not addressed in the troubleshooting methods, please contact an EMist Customer Care representative at: 888.534.7001 or visit Emist.com to fill out a request for a warranty or repair form.

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