E-Spray System
IN SERVICE TRAINING
FAQ

• How long does the battery last
• What is the re-charge time
• What is the warranty
• What is the coverage rate
• How long does it take to cover a certain area
• What is the recommended maintenance
• What is the best disinfectant to use
• What is the Proper PPE and other Safety Practices
• What to Spray and what NOT to Spray
• What about soft surfaces
BATTERY DETAILS

• 16.8 V lithium ion battery
• 4 hour continuous run time
• NOTE: intervals suggest 1 charge = 1 eight hour shift
• Spare battery.... A good idea
• Charging time: 2-4 hours to full charge
• Smart charger tells charge level and progress
WARRANTY

• 1 year parts and labor
• Note date code for warranty claim
• Contact warranty admin center
• Warranty Card
SPRAY ADJUSTMENTS
TURN CLOCKWISE

- Three spray droplet sizes tailored to disinfectant contact time
  - **Red 40 microns:** smallest: good for contact times of 1-5 minutes
  - **Green 80 microns:** medium: contact times of 5-10 minutes.
  - **White 110 microns:** largest (wettest): 10 minute contact times (usually not needed)
E-SPRAY HAND HELD: WHAT’S IN THE BOX

Sprayer
1 Quart Tank
Tank Cap
Carrying Bag

Battery Charger
16.8V Li Ion Battery
Nozzle Wrench
Nozzle Guide
Warranty Card
Instructions
OSHA RTU Labels
E-SPRAY PRODUCTIVITY-HAND HELD

• Reservoir holds 1 quart of disinfecting solution
• 1 quart covers about 2,400 sq. ft. of surface area
• Continuous spraying will consume the quart in 10 minutes
• Theoretical productivity $2,400 / 0.167 = 14,371$ sq ft per hour
E-SPRAY BACKPACK: WHAT’S IN THE BOX

- Backpack + Tank
- 12” Extension Wand
- Solution Supply Hose
- OSHA Labels
- Spray Wand
- Battery Charger
- 16.8V Li Ion Battery
- Nozzle Wrench
- Nozzle Guide
- Warranty Card
- Instructions
E-SPRAY PRODUCTIVITY - BACKPACK

• Reservoir holds 9 quarts of disinfecting solution
• 9 quarts cover about 21,600 sq. ft. of surface area
• Continuous spraying will consume the tank in 90 minutes
• Theoretical productivity \( \frac{21,600}{1.5} = 14,409 \) sq ft per hour
• Includes a 12 inch extension wand
RECOMMENDED MAINTENANCE

• After Each Use
  • Rinse/purge the system by running about 2 oz of cold water through the unit.

• At Least Once a Month
  • Remove nozzle and soak in an acidic de-liming solution for at least 1 hour. Rinse and re-install

Following this simple maintenance procedure will prevent the nozzle from clogging
USE THE GROUNDING STRAPS

• Wrap Hand Around Handle
  • Hand should be in continuous contact with grounding strap on handle while spraying.

If hand is removed from the handle during spraying, a slight shock may occur.
128 E-FECTICIDE

• EPA Approved Label states “spray application”
• Electrostatic spraying is targeted spraying (≥ or greater than 40 microns)
• Electrostatic spraying is different than fogging, misting, or fumigating
  • Fogging: spray droplet is less than 5 microns
  • Misting: spray droplet is 5-25 microns
WHAT IS THE PROPER PPE

• Eye Protection
• Gloves
• Dust-mist Respirator, N-95 Is Best.
• Diluted Product Is Non-hazardous, However, Best Practices Suggests Protection From Eye Contact And Inhalation.
OTHER SAFETY REQUIREMENTS

• Do Not Spray In A Room With Other Occupants Unless They Have Proper PPE
• Wait Time Before Re-entry: 15 Minutes Before Occupants Can Re-enter
• Leaves No Visible Residue
• Secondary Labels For The Spray Tank; OSHA Required
• Labels Are Included With The Units
WHAT TO SPRAY - WHAT NOT TO SPRAY

Spray These Surfaces

- Non-porous Surfaces
- Remember: Safe On Surfaces Not Harmed By Water
- Desktops, Chairs, Tables, Doors, Walls, Fixtures, High Touch Surfaces

Avoid Direct Spraying Of The Following

- Papers, Computer Keyboards, Sensitive Electronics, Mirrors; Windows
WHAT ABOUT SOFT SURFACES

• Remember: Safe On Surfaces Not Harmed By Water
• Soft Surfaces Cannot Be Disinfected But They Can Still Be Sprayed
• Diluted Disinfectant Will Not Harm Fabric Chairs, Furniture, Draperies, Carpets
TIPS

• **Move Quickly:**
  Charged Spray Droplets Will Coat Surfaces

• **NO DRIPS:**
  If Drips Are Notice, Adjust Droplet Size Or Move Faster.

• **Work Top To Bottom**

• **Pre-clean When Needed:**
  Clean Soiled Surfaces First
WATCH THE VIDEO
HTTPS://YOUTU.BE/WJEKG6J94M8