

Custodial & Housekeeping Services Standard Operating Procedure for Electrostatic Sprayers

Purpose	Custodial & Housekeeping Services will use electrostatic sprayers as part of our enhanced disinfection program within our campus and housing buildings.
Definition	Electrostatic sprayers work by charging liquids such as cleaning chemicals as they pass through a sprayer nozzle. This generates charged droplets that repel one another and actively seek out environmental surfaces, which they stick to and even wrap around to coat all sides. The result is a uniform coating of disinfectant on sprayed objects; including hard-to-reach areas, that sometimes manual cleaning can miss.
Usage	Custodial & Housekeeping staff will use the equipment daily in public spaces throughout our buildings, specifically on high touch surfaces. Sprayers will be used after hours on campus and midday in housing when building traffic is low.
Treated areas & surfaces	Hallways, lobbies, corridors, elevators, restrooms, classrooms, study areas, lounges, fitness and gaming rooms (doorknobs, railings, buttons, tables, desks, fixture handles, paper & hand sanitizer dispensers). In housing, apartments and rooms will be sprayed prior to students moving in.
Space utilization	Treated areas can be used after 15 minutes to allow for proper dwell and dry time of the disinfectant.
Operation instructions	<ol style="list-style-type: none"> 1. Put on proper PPE (gloves & goggles), carry a towel and place safety signage as needed. 2. Clean visibly soiled surfaces with an all-purpose cleaner before disinfecting. 3. To start using the Victory Electrostatic Sprayer, make sure the battery is properly charged. The battery is charged when inserted into the charger and the charger is then plugged into a wall socket. 4. Remove the tank from the unit by rotating the tank-locking collar and pulling the tank release ring. 5. NOTE: You must hold onto the tank when you pull the tank release ring or the tank will fall to the floor. 6. Fill the tank with the recommended chemical. 7. Insert the tank into the sprayer and rotate the tank-locking collar until you hear a click on the tank release ring snap into place. 8. Insert the charged battery into the battery socket gently and lock it in place. 9. Adjust the nozzle to the desired setting by aligning the arrow to the line on the nozzle to Setting 1 (40 microns). The nozzle located at the bottom is the one that is activated. 10. Ensure the sprayer and static function are in the on position to positively charge the solution being sprayed. 11. Aim the sprayer 2 – 3 feet away from the surface you intend to disinfect. This is the optimal spray range. 12. Pull the trigger and spray on the desired surface. The trigger must be held for a few seconds before any dispensing occurs. NOTE: The nozzle will drip when you stop spraying. Use towel to wipe down any excess from floors to avoid a slip hazard. 13. Avoid accidental starting. Be sure switch is in the locked or OFF position before inserting battery pack. 14. To insure maximized electrostatic performance, always keep your hand firmly wrapped around the handle in contact with the grounding strap. 15. After use, spray a tank of water to rinse.

ELECTROSTATIC SPRAYER COMPONENTS

1.0	TANK
1.1	TANK RELEASE
1.2	TANK LOCKING COLLAR
1.3	16.8 VOLT BATTERY
1.4	UNIT ON/OFF
1.5	LOCK OFF SWITCH
1.6	ELECTROSTATIC CHARGE ON/OFF
1.7	3 IN 1 NOZZLE
1.8	HEADLIGHT
1.9	GROUNDING STRAP

