



ELECTROSTATIC SPRAYERS AND DISINFECTANT USE

02_20_18

Overview:

The use of electrostatic sprayers is gaining acceptance as a no-touch method for applying disinfectants and sanitizers to surfaces.

Electrostatic sprayers have been used in the agricultural and paint markets for years, and are designed to convert liquids into uniform-sized droplets and then apply a “charge” to each droplet as it leaves the spray nozzle of the device. This charge attracts the droplets to untreated surfaces, while repelling these droplets from each other and treated surfaces, enabling them to “wrap” around surfaces or objects. This results in an even application (coating) of the chemical on surfaces, including hard-to-reach areas on the underside and backside of surfaces. These sprayers can help to improve labor efficiency while reducing chemical waste and overspray.

It is important to note that applying disinfectants through an electrostatic sprayer does not replace the need for manual cleaning. These devices do not remove soil, debris or blood and body fluids; they only help apply the disinfectants more evenly across surfaces and in difficult to reach areas.

These devices do require some additional safety precautions. Users must be grounded when using these devices, and failure to do so can create a risk of sparks or electrical shock to the user. Since these devices may be used with a variety of different chemicals, with varying risk of exposure, it is also essential to review the risks associated with the chosen chemical.

Can Diversey Sanitizers and Disinfectants Be Used Through These Systems?

When considering the use of any sanitizer or disinfectant, federal law requires that the label directions be followed. All sanitizers and disinfectants must be used according to the EPA label directions or it is a violation of federal law.

Currently, Virex® Plus is approved for low pressure spraying applications. We are working on additional label approvals for our other disinfectant technologies.



Please note that no Diversey disinfectant products are approved for use through foggers, vaporizers, “bug bombs”, or any unit that could create and dispense product as a fog or mist.

Best Use Practices:

When using electrostatic sprayers there are several steps that should be followed to ensure safe and effective use:

- Manually clean all surfaces. Gross soils can be seen, but pathogens are not always visible. Use of an electrostatic sprayer should be in addition to, and not in place of, manual cleaning and disinfection.
- Before using the sprayer, ensure you understand the safety precautions required when using the sprayer, including proper grounding of the user.
- Read and understand the directions for use on the product label.
- If the chemical is a concentrate, ensure that it is properly diluted before it is used with the device.
- Use the appropriate personal protective equipment (PPE) as listed on the product label, SDS, or in accordance with your employer’s worker safety program.

If there are any questions, please contact Diversey Customer Technical Support at (800)-558-2332, Option 5.