



evaclean®

NEXT GENERATION INFECTION PREVENTION SOLUTIONS

Proactive Guidelines for Aviation Cleaning and Disinfection

SINCE THE PANDEMIC, aircraft cleanliness and disinfection has become a top priority. What started out as approaches to mitigate Covid, should translate going forward to standard cleaning and disinfection protocols to address all current and future pathogens. To help airlines ensure the health and safety of passengers and crew, EvaClean developed proactive guidelines for cleaning and disinfection of commercial aircraft.



Proactive Guidelines for Aviation Cleaning and Disinfection

Since the pandemic, aircraft cleanliness and disinfection has become a top priority. What started out as approaches to mitigate Covid, should translate going forward to standard cleaning and disinfection protocols to address all current and future pathogens. To help airlines ensure the health and safety of passengers and crew, EvaClean developed proactive guidelines for cleaning and disinfection of commercial aircraft.

▲ Chemical Considerations

The chemicals you choose to clean and disinfect your aircraft are critical. Safety and efficacy are always the key considerations. The chemistry should be effective against the most prevalent pathogens yet cause no damage to human health or aircraft interiors. It should have EPA registered kill claims against a wide range of viruses and bacteria yet have a low toxicity and neutral pH to protect surfaces, passengers and crew. Some chemicals are quite caustic like bleach, which is corrosive to many surfaces and can create serious health issues. It's important to seek safer alternatives that will be effective without trading one risk with another.

Additional factors to consider are versatility and ease of application. To minimize errors and save time, the chemistry should have versatile uses for a variety of cleaning and disinfection tasks. Saving time is especially important during quick turnarounds. The advent of electrostatic sprayer technologies now makes it possible to disinfect an entire plane in 80% less time than before, even hard-to-reach spaces. EvaClean's PurTabs NaDCC Disinfectant is one of the few EPA registered for use with electrostatic sprayers and when applied with our Protexus Electrostatic Sprayers, disinfection processes are enhanced significantly.

▲ Surface Disinfection Considerations

Best practices recommend adhering to the core principles of cleaning and disinfection. First, cleaning procedures should always be performed before disinfecting and should be implemented from top to bottom (ceiling to floor) and from cleanest to dirtiest areas.

Second, surfaces should be disinfected based on how frequently they are touched. The more often they are touched, the more they are contaminated and the greater the risk for transmitting diseases. Other risk factors to consider are destination, number of passengers, flight duration, cleaning intervals, aircraft type, etc.

Third, cleaning crews should be trained on the proper chemical mixing ratios for each area of an aircraft, as well as correct disinfection dwell times, otherwise resulting efficacy and safety could be compromised.

Finally, it is imperative to avoid cross-contaminating surfaces by re-using cleaning tools in multiple areas. A different set of cloths and mops should be used for each task or individual area. Alternatively, you can use disposable wipes and mopheads for each purpose instead.

▲ Cleaning Schedule Considerations

Cleaning and disinfection procedures take place at various intervals throughout the day—during turnarounds, in-flight, and during layovers. Quick turnarounds typically only allow time for routine cleaning however, electrostatic sprayer technologies can enhance and expedite processes by applying disinfectants 10X faster and wrapping around 3-times more surface area than traditional methods. While in-flight, it is necessary to clean and disinfect items/equipment that are used most frequently by passengers or crew members, such as lavatories, door handles, latches, and interphones. Layovers are the time to perform deep cleaning and disinfection procedures, paying special attention to frequently touched surfaces.

Proactive Cleaning and Disinfection Guide

The following are proactive cleaning and disinfection guidelines for commercial aircraft to help prevent transmission of communicable diseases and maintain a safe environment for passengers and crew.

CABIN AREA

Clean and disinfect:

- Windows and window shades
- Sidewall and ceiling, including passenger control units (e.g., reading lights, air nozzles)
- Interior and exterior of overhead bins, including handles
- Seat pockets, back rest pockets, shoe bins and seat lockers
- Tray tables (both sides) including locking mechanism
- Seats, arm rests, seat controls and seatbelts/buckles
- Emergency leaflets, in-flight Entertainment (IFE) screens, monitors, and remote controls
- Floors, fixtures, storage areas, closets and service panels

FLIGHT CREW COMPARTMENT

Clean and disinfect:

- Crew seats, harnesses and surrounding area
- Communication equipment/intercom
- Entry/exit doors including frame, panels, and emergency slide cover

FLIGHT DECK*

Clean and disinfect:

- Pilot and co-pilot headsets, seats, armrests, seat controls and seatbelts/buckles
- Windshield, sun visors and overhead panel, including grips and handles
- Access door (both sides), handle and lock
- Folding seats/jump seats and equipment
- Floor and walls

LAVATORIES

Clean and disinfect:

- Dispensers, basin, faucet and surrounding surfaces
- Mirror and diaper changing table (if available)
- Toilet bowl, seat and flushing mechanism (lever or button)
- Interior and exterior door including lock, knob/lever, and coat hook (if applicable)
- Floors, sidewall panels, ceiling and shelves

GALLEYS

Clean and disinfect:

- Sinks, faucets, appliances and worktops/countertops
- Lockers/drawers, panels, doors and latches/handles
- Service trolleys, containers and storage
- Floor, ceiling and walls

CARGO HOLD

Clean and disinfect:

- High touch point areas in upper deck (if applicable)
- Handles for all lower deck cargo holds (Forward, Aft and Bulk)
- Cargo loading control panels and light switches
- Service access points including cargo door control panels, door net stanchions, fittings and tie down points in bulk compartment (if applicable)

Note: Cleaning and disinfecting of flight deck equipment should be conducted by specially trained personnel