

SOLUTION SPOTLIGHT

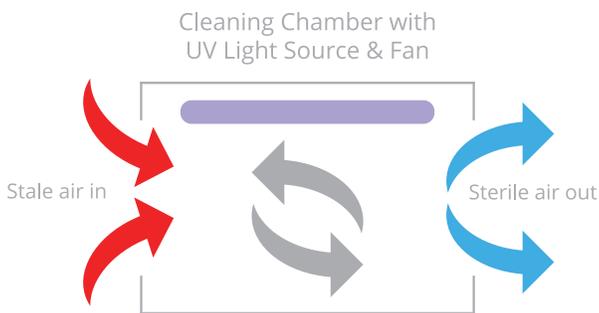
Elevator Cab Air Purification

Keeping an elevator cab environment clean from airborne contaminants using traditional air circulation systems and manual surface cleaning can be both difficult and time consuming. Instead, many elevators now feature air purifying technology that continuously improves air quality and removes contaminants.



Reducing Air Contaminants

The majority of air purifying systems use a process called Photocatalytic Oxidation (PCO). The units consist of a UV light and a photocatalyst target that produce oxidizers, including hydrogen peroxide. These convert natural humidity and air into oxidizing molecules that act as purifiers inside the elevator. This is a proactive cleaning technology that locates and reduces air pollutants and pathogens — including bacteria, viruses, mold, and other contaminants as well as odors.



The process is fully automated, chemical free, and perfectly safe for humans and animals.



Reducing Contaminants on Cab Surfaces

An air purification system inside an elevator not only cleans the air but also the cab's surfaces. Some air purifying devices can eliminate more than 99% of germs and viruses, and can be programmed to run automatically, triggered by people entering the cab, or set at specific time intervals. This allows for the elevator environment to be constantly treated and cleaned without being touched by human hands.

Reduced Risk and Reduced Workload

Circulating ionized air throughout the cab space provides the opportunity for passengers to travel throughout your building with confidence, while it removes the need for constant cleaning of the surfaces inside the cab.

For more advice, contact us and we'll connect you with your local AEG representative.



hello@americanelevator.com



americanelevator.com



Solutions for Health & Safety from American Elevator Group

Voice-activated Elevator Controls

While button controls may not be completely avoided in all situations, voice-activated controls in elevators can be very helpful in drastically reducing physical touch points.

Touchless Buttons

There are several solutions available to allow passengers to avoid touching elevator buttons. These include mobile app connectivity, automated floor access using 'destination dispatch', and touch-free sensor panels.

Cab Air Purifiers

Air purification inside the elevator cabin can be done using solutions with UV-C light or ozone. Some of these devices can eliminate more than 99% of germs and viruses, and can be programmed to run automatically, triggered by people entering the cab, or set at specific time intervals.

Air Filtration Units

A simpler approach to improving the air quality in elevator cabs can be done by installing a HEPA grade filter unit to replace the current exhaust fan, helping to circulate filtered air into the cab and exhausting contaminated air – using existing power systems and without requiring any major modifications.

Hygiene Stations

In lobbies and other high-traffic areas, consider installing hygiene stations that dispense things like sanitizer, gloves, or face masks. Also make sure there are plenty of trash receptacles for disposable items throughout the building.

Digital Signage

As a complement to floor and wall signage, you may want to use electronic lobby signs to advise visitors of any up-to-date safety information, areas to avoid, capacity reached on certain floors, etc.

