

# Up in the air?

Get the unfiltered facts.

Pūrigo™ meets or exceeds the guidelines established for air purifiers by the CDC, EPA, ASHRAE as well as the FDA's Enforcement Policy.

Air purification solutions are not created equally. Experts such as the CDC, EPA and ASHRAE recommend purifiers that:

- Move and exchange air a minimum of four to six times per hour
- Use UV-C Germicidal Irradiation for advanced air cleaning
- Include at least an H13 rated True HEPA filter



## Pūrigo By Aeroclean™: A Proven Solution Among Air Purification Methods

Products	<b>PÜRGO</b>	RGF Environmental Group	Atmos, Active Pure, Aerus	Molekule, Radic8, Odorox	Most consumer air purification products
Technology	<b>UV-C LED + HEPA</b>	<b>HVAC UV</b>	<b>Bipolar Ionization</b>	<b>PECO/PCO</b> <i>Photocatalytic Oxidation</i>	<b>HEPA Only</b>
How it works	Uses a multi-layer filter cartridge with an H14 True HEPA filter and proprietary SteriDuct™ UV-C LED cell to capture and eradicate particles, pollution, and pathogens.	HVAC systems use UV-C bulbs to sanitize circulating air and/or the HVAC coils.	Units charge plasma or other chemical surfaces, pushing positive and negative ions into the air, neutralizing organic material.	UV bulbs are used along with a catalyst, like titanium, to produce reactive oxygen species, such as hydroxyl radicals.	HEPA and HEPA-like filters are designed to trap 99.97% of particles down to 0.3 microns but do not eradicate pathogens.
Considerations	<p>Combines advanced filtration and germicidal UV-C LED light, eliminating pathogens and sanitizing the air.</p> <p>Replaces and sanitizes indoor air 4-6 times per hour for powerful single-pass pathogen elimination.</p> <p>Tested in large and small spaces by multiple accredited laboratories and proven to eliminate pathogens responsible for hospital-acquired infections.</p>	<p>Does not stop close-range transmission of pathogens—the primary way airborne infections spread.</p> <p>Concealed units mean no visible reminder of active air purification or maintenance.</p> <p>Some UV lamps require additional maintenance, contain mercury, and are less efficient than LEDs.</p> <p>Installation is expensive and difficult to retrofit.</p>	<p>Harmful chemical byproducts, like ozone, may be released through the purification process.</p> <p>If used alone or within an HVAC duct, this solution does not move air, making this method ineffective for air purification.</p> <p>There is not significant scientific data on effects of breathing air containing positive and negative ions.</p>	<p>Because this method requires a chemical reaction, it potentially produces harmful byproducts, including ozone.</p> <p>Used on its own, this method does not move enough air in order to purify sufficiently.</p>	<p>Tunneling can occur in filters, allowing captured particles and pathogens to break through filter material, increasing recontamination.</p> <p>Filters often cannot capture viruses, which are smaller than 0.3 microns.</p> <p>Studies show that viruses and drug-resistant bacteria can penetrate HEPA filters.</p>