



PURGO

Continuous Air Purification

Medical-grade air sanitization
for any space.



We are AeroClean

We're a pathogen elimination technology company on a mission to make every day safer, starting with the air we breathe. Our purpose is simple—we innovate solutions that keep people healthy and safe. And with Pūrigo by AeroClean, we're helping everyone breathe a little easier. So business keeps running. People keep connecting. And life keeps going.

With Pūrigo, life and work never stop.

AeroClean
Pathogen Elimination Technologies

Breathe Easy. Literally.

Pūrgo is a pathogen-eradication device that provides continuous air sanitization for indoor air, removing harmful airborne viruses and other bioaerosols from occupied spaces.

Pūrgo eliminates harmful pathogens using a medical-grade filter combined with SteriDuct™, our patented germicidal technology. Our advanced multi-layer filtration cartridge uses a pre-filter for large particles, activated carbon to filter odors and organic vapors, and a HEPA (H14) filter for pollen, mold allergens, and most pathogens. Finally, SteriDuct™ safely uses UV-C LED lights to eliminate airborne pathogens on contact.

PURGO

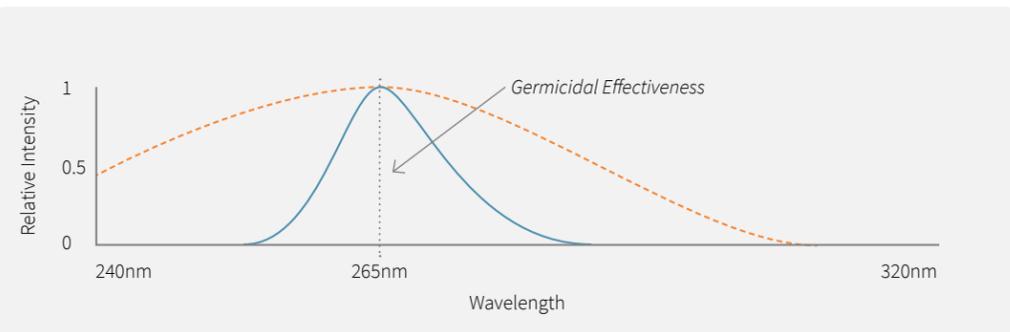


Patented technology. Perfected.

Developed by aerospace engineers and medical professionals, our proprietary and patented SteriDuct technology uses safe, solid-state UV-C LEDs at the optimum wavelength to eliminate 99.99% of harmful pathogens including bacteria, viruses, and fungi.

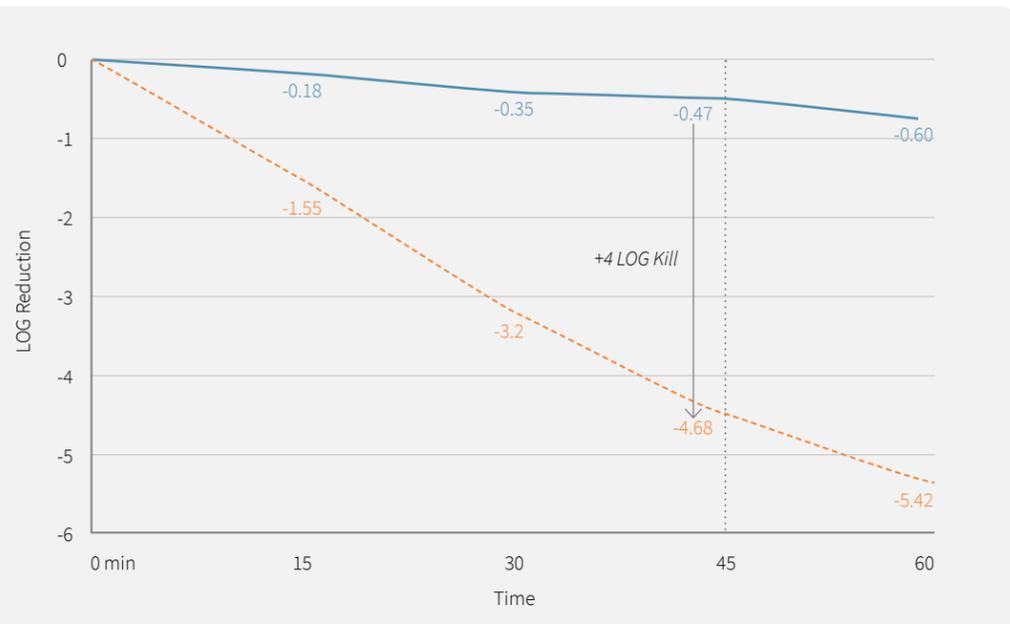
The perfect wavelength

SteriDuct's UV-C LEDs operates at the peak germicidal wavelength—265 nanometers—deactivating the DNA and RNA of pathogens and destroying their ability to multiply and cause infection.



Clean, safe air in minutes

In less than 45 minutes, Pürgo can achieve a 4-LOG kill—a 99.99% reduction—of the MS2 bacteriophage, the surrogate pathogen for COVID-19.



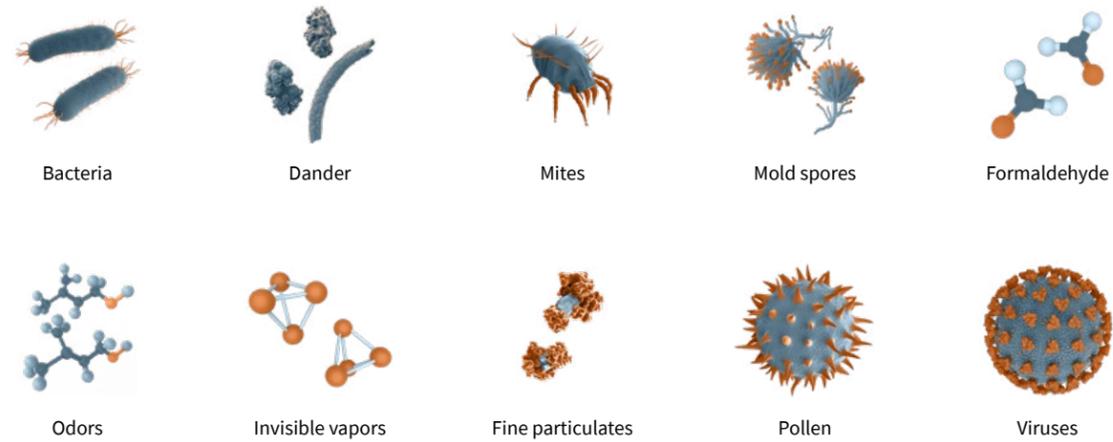
Average of three studies



Powered by
SteriDuct™

The truth about indoor air*

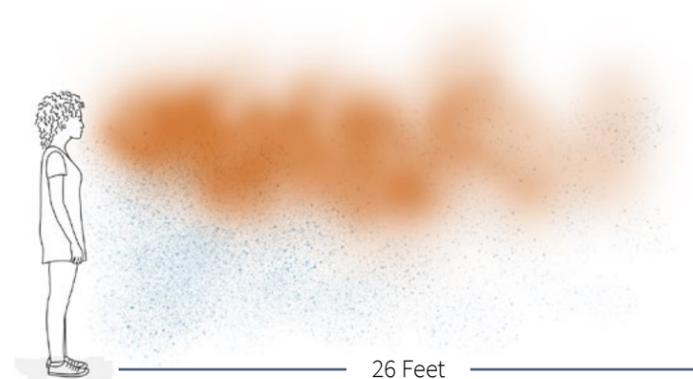
Airborne pathogens spread quickly indoors, using air as a vehicle to help them travel. In a study by the EPA, Americans spend nearly 90% of their time indoors, which increases exposure to harmful pathogens.



Engineered for Protection

Pürgo's patented SteriDuct™ technology eliminates airborne threats and sanitizes the air using germicidal UV-C LED light.

One sneeze can contain 100,000 contagious pathogens.**



The aftermath of a sneeze

After a sneeze, small droplets or aerosols remain suspended in the air. Pathogens can survive and travel as far as 26 feet within these droplets, increasing chances for infection. Studies have shown coughing, speaking, and even breathing generate similar aerosols.



*U.S. Environmental Protection Agency. (1989). Report to Congress on Indoor Air Quality: Volume 2.
**Journal of the Royal Society Interface. (2019). Assessing the Airborne Survival of Bacteria in Populations of Aerosol Droplets with a Novel Technology.



The demand for safe, indoor-air quality has never been greater.

But not all solutions are the same.

	PURGO	HVAC UV	Bipolar/Hydroxyl Ionization	PECO/PCO	HEPA Only
True HEPA captures UV-C LED Kills	✓	⊖ Used to clean coils	⊖ Deactivates, not kills	⊖ Deactivates, not kills	⊖ Captures, not kills
Produces sanitized, clean air	✓	⊖ Limited air quality impact	⊖ Emits ions	⊖ Chemical reaction	⊖ Filter loading
No harmful byproducts	✓	⊖ Particle remobilization	⊖ Potential ozone/byproduct production	⊖ Potential ozone/byproduct production	⊖ Particle breakthroughs/remobilization
Dual scientifically supported tech. (UVGI and HEPA Filtration)	✓	⊖ Not supported by CDC/EPA/ASHRAE*	⊖ Not supported by CDC/EPA/ASHRAE*	⊖ Not supported by CDC/EPA/ASHRAE*	⊖ Single technology
4-6 air changes/hour	✓	⊗	⊖ Minimal air exchange when used alone	⊖ Minimal air exchange when used alone	⊗
Plug and play installation Low maintenance	✓	⊗	⊗	⊗	⊗

*Not supported by CDC/EPA/ASHRAE to combat localized airborne threats

The impact of pathogens on healthcare facilities

Healthcare-associated infections facts:

550k

Are airborne related

75k

Lead to death

\$30B

Annual cost

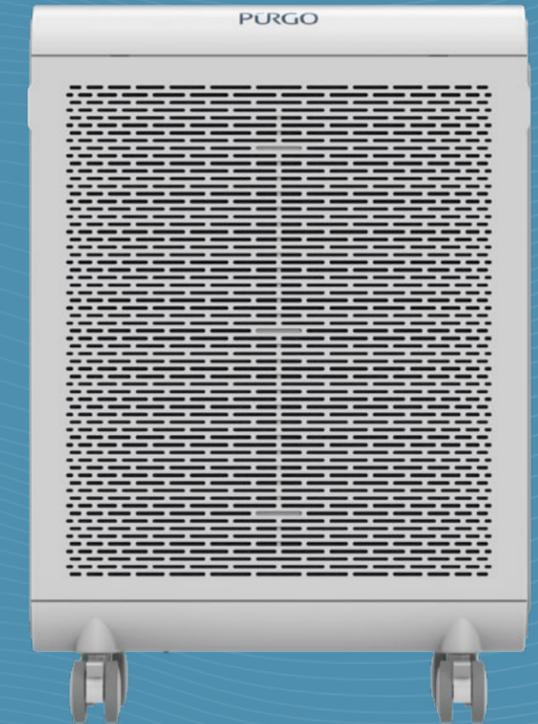
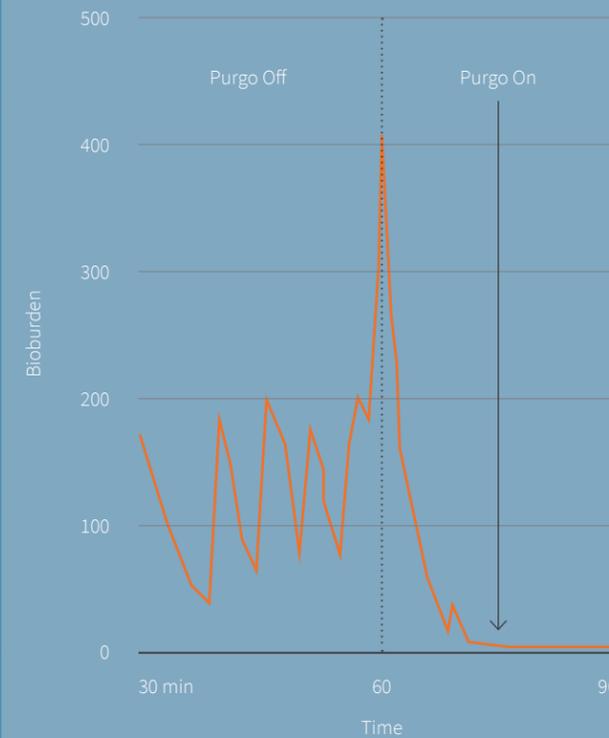
Purgo provides continuous air sanitization, demonstrating a 99.99% kill rate against harmful airborne pathogens, including bacteria, viruses, like influenza and COVID-19, and other bioaerosols.



A balance of form, function & destruction



Eradicate airborne pathogens in minutes



Patented UV-C LED

Pūrgo uses SteriDuct™, a proprietary technology that safely maximizes germicidal UV irradiation to effectively eliminate 99.99% of harmful airborne pathogens (viral, bacterial, and fungal).

Active sanitization

Continuous localized cleaning and killing of viruses and superbugs in occupied spaces, yielding multiple air changes per hour.

Compact and powerful

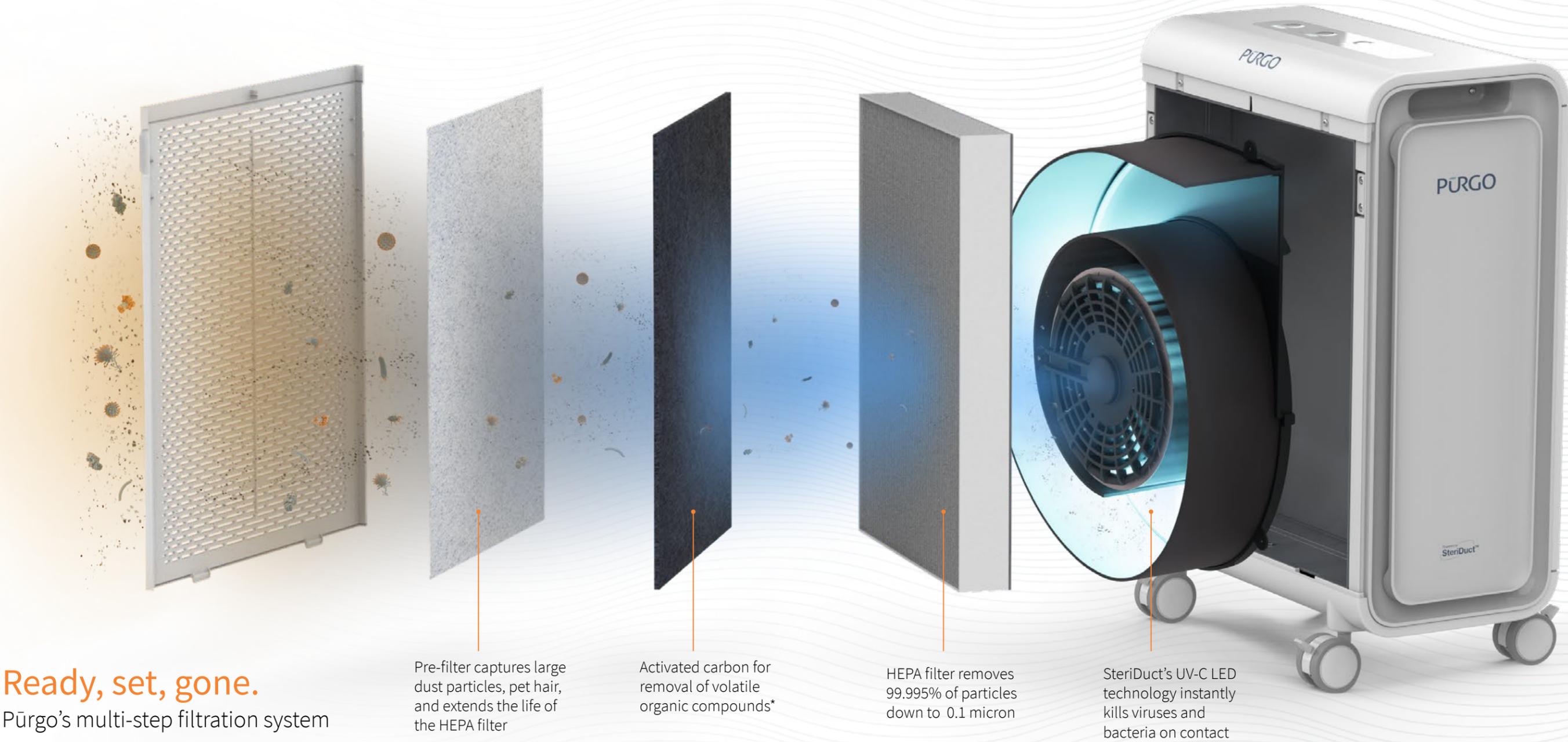
About the size of a carry-on suitcase, yet powerful enough to meet the air quality safety standards outlined by ASHRAE and the CDC for hospital patient rooms.

Low maintenance

Easy to use with virtually no maintenance needed. To ensure optimal operation, Pūrgo requires a simple filter cartridge replacement every six months and service every 18 months.

Pathogens don't stand a chance.

Pūrgo uses multiple layers of filtration plus SteriDuct's patented UV-C LED technology to filter and eliminate harmful airborne pathogens, preventing cross infection in indoor spaces.



**(CFCs, flame retardants, solvents and vapors emitted by paints and building materials)*

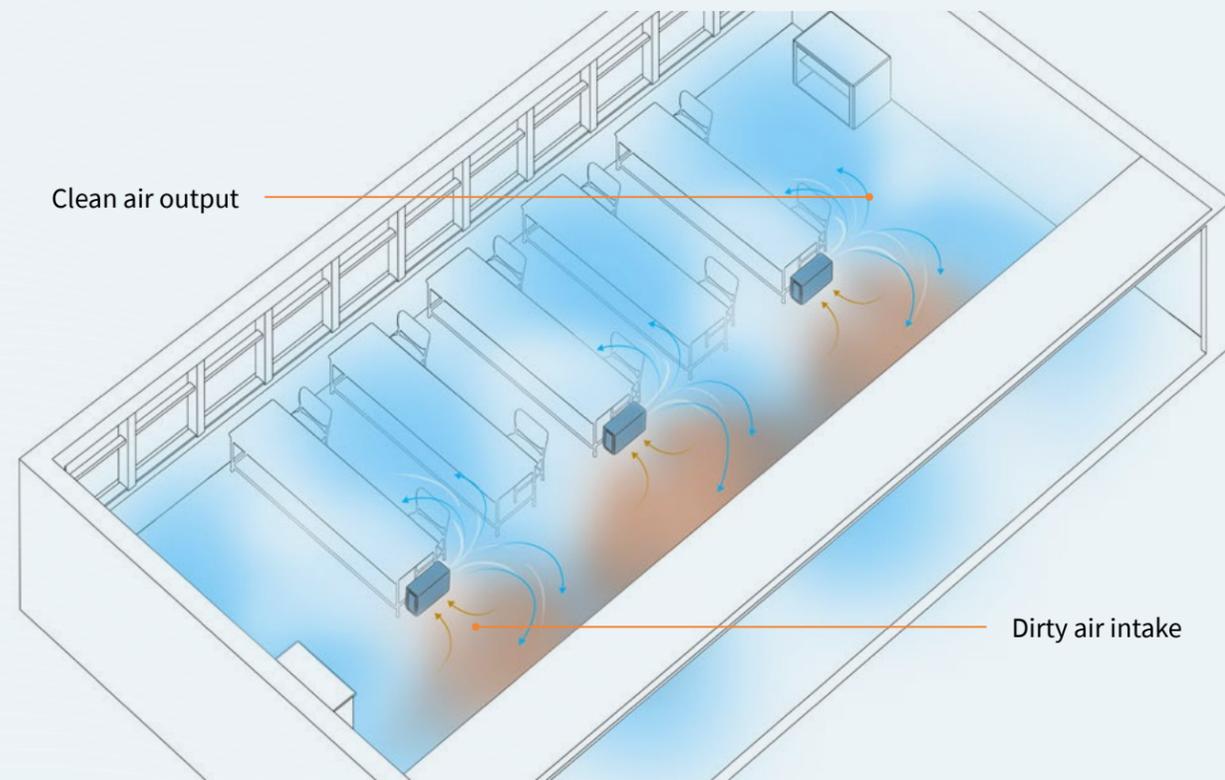
Hospital-grade protection. Go-anywhere design.

Effective in spaces of all sizes

One Pūrigo unit provides protection for up to 400 square feet of space, exchanging and sanitizing the air between four and six times per hour. In larger spaces, additional Pūrigo units can be placed for unlimited peace of mind.

Engineered for your business

Pūrigo meets or exceeds the guidelines established for air purifiers by the CDC, EPA, ASHRAE, and the FDA's Enforcement Policy, making it a safe and effective choice for offices, hospitals, senior living communities, schools, country clubs, and more.



Device Configuration

To ensure efficacy, individual space dimensions are assessed before Pūrigo units are placed to measure their performance. This ensures no dead spots in air flow distribution and enhanced air flow velocity at a seated level.

Portable Protection

Computational fluid dynamics can identify the best position for Pūrigo to optimize indoor air flow. With four casters and convenient handles, Pūrigo can be easily wheeled into different locations and configurations as needed.

Pūrigo delivers continuous, medical-grade air sanitization with 99.99% pathogen killing effectiveness at the airflow volumes required by healthcare environments.



PÜRGO for School & Work

Safe, sanitized air means you never stop collaborating, connecting, learning, and discovering.

Keep school and work going

PÜRGO creates safe, healthy ventilation in classrooms, common areas, cafeterias, conference rooms, workspaces and more.

Stay face-to-face fearlessly

Continuously change the air—keep learning, teaching, collaborating, presenting, and meeting in a healthy way.



Protection where it matters most.

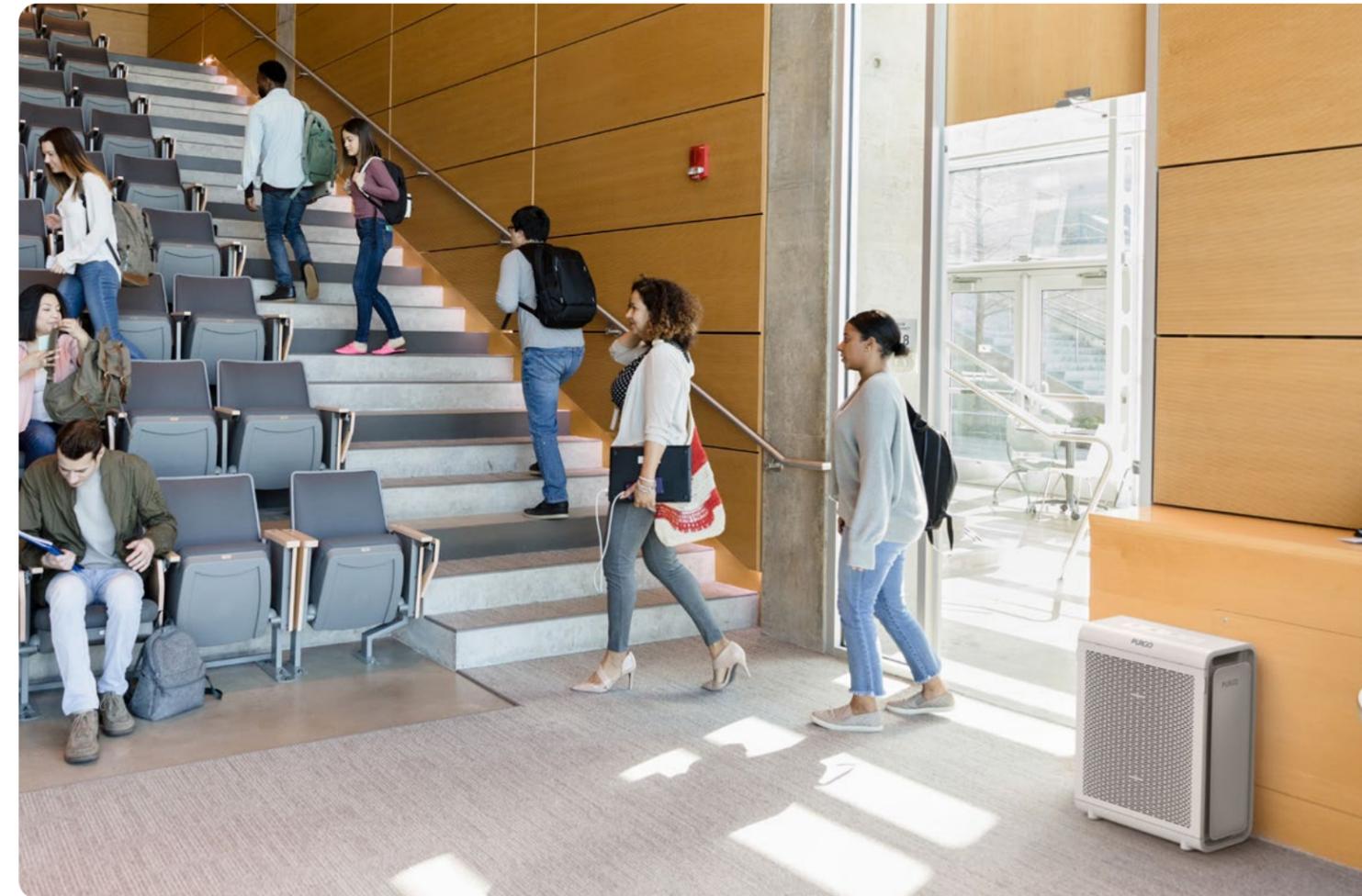
Protect against healthcare-associated infections with PÜRGO's powerful pathogen elimination.

Lower cost over time

PÜRGO devices are a more effective solution to prevent cross infection than simply upgrading conventional medical HVAC systems.

Create safe spaces where it counts

PÜRGO can be used in long-term care facilities, medical clinics, and hospitals to control pathogen risks in spaces such as common areas, waiting rooms, operating rooms, emergency rooms, and more.





Pürgo Lift™

Protects every person, every ride.

Eliminate elevator cross-infection

Coming Soon: The Pürgo elevator product will dramatically reduce the probability of cross infection for masked and unmasked riders—providing more than a 10x reduction* while riding together.

Continuous pure air

Pürgo Lift devices operate at 175CFM, improving ventilation and exchanging the air up to 60 times per hour in a typical elevator, and can be mounted to the ceiling or in back wall corners.



**Based upon modeling with the Wells-Riley Infectious Quanta Equation*



Pürgo for any indoor space

Keep making the most of every day with continuous protection for country clubs, fitness studios, cafés, and more.

Powerful peace of mind

Customers, members, and staff can breathe easy knowing they're protected from harmful airborne pathogens inside their facilities.

Count on continuous

Built-in self-diagnostics ensure peak filter performance and optimal pathogen irradiation assuring safe spaces, all day and night.





With Pūrgo continuous air sanitization, collaboration keeps going, business keeps running, people keep connecting, life never stops.

Designed for:

- Healthcare
- Senior Living
- Education
- Business
- Leisure
- Transportation

Contact us at

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PURGO

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SteriDuct™