

RAP

ROOM AIR PURIFIER

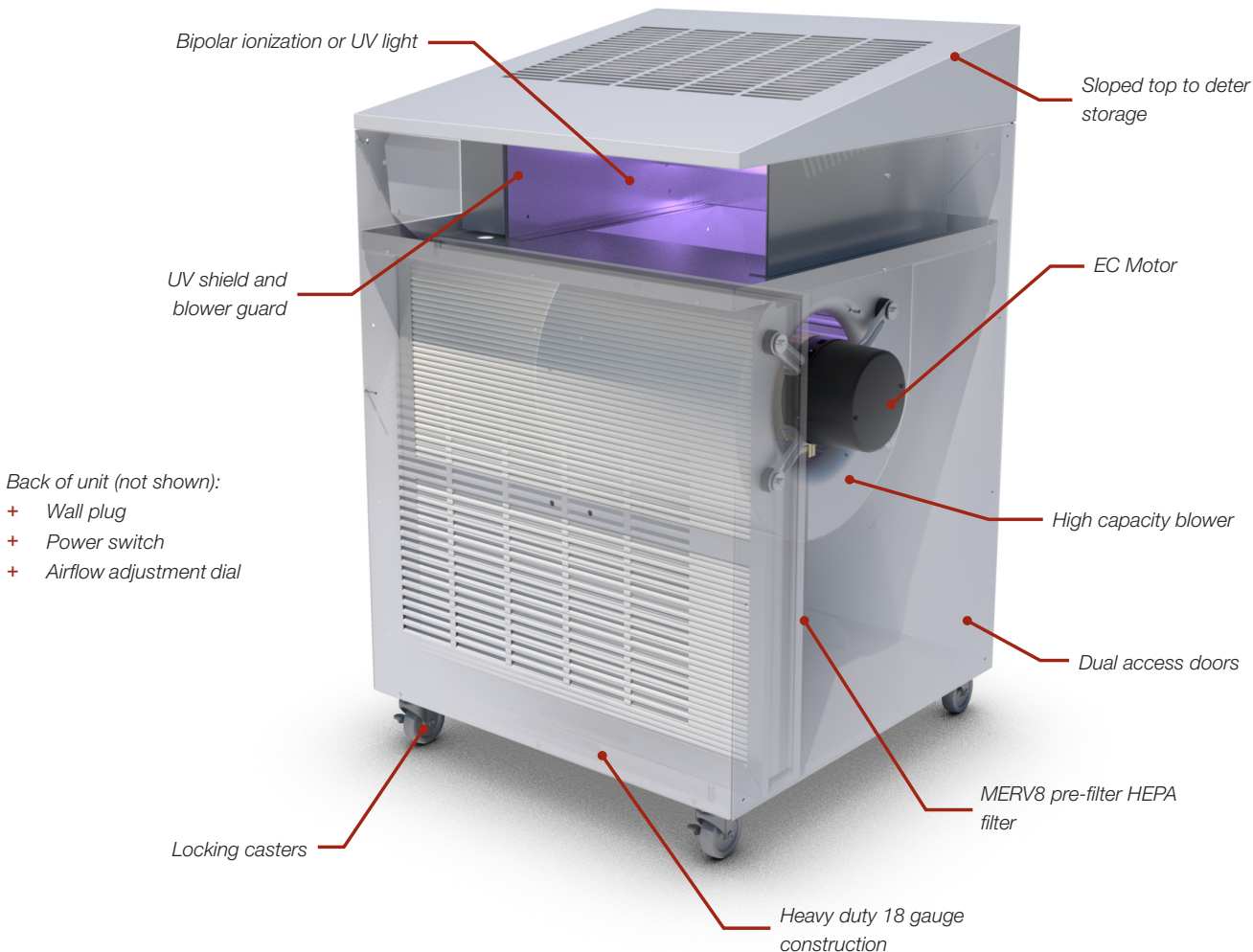


RAP

Room Air Purifier

In today's world, indoor air quality is an increasing concern and the ability to provide clean air to room occupants is more important than ever. Most commercial spaces focus primarily on cost and thermal comfort while air quality is based on minimum requirements, which can result in lower than optimal air quality.

The Room Air Purifier (RAP) is an ideal option for improving indoor air quality wherever and whenever you need it, particularly in high density areas like office spaces, classrooms, fitness centers, retail and restaurants. It is designed to continuously cycle air through a HEPA filter, eliminating unwanted dust particles, germs and contaminants.



The CDC (Centers for Disease Control and Prevention) recommends using portable high-efficiency air filtration systems for the safe reopening of schools and office buildings, with additional consideration to include UVGI (ultraviolet germicidal irradiation) as a supplemental technique to inactivate potential airborne viruses of common occupied spaces.¹

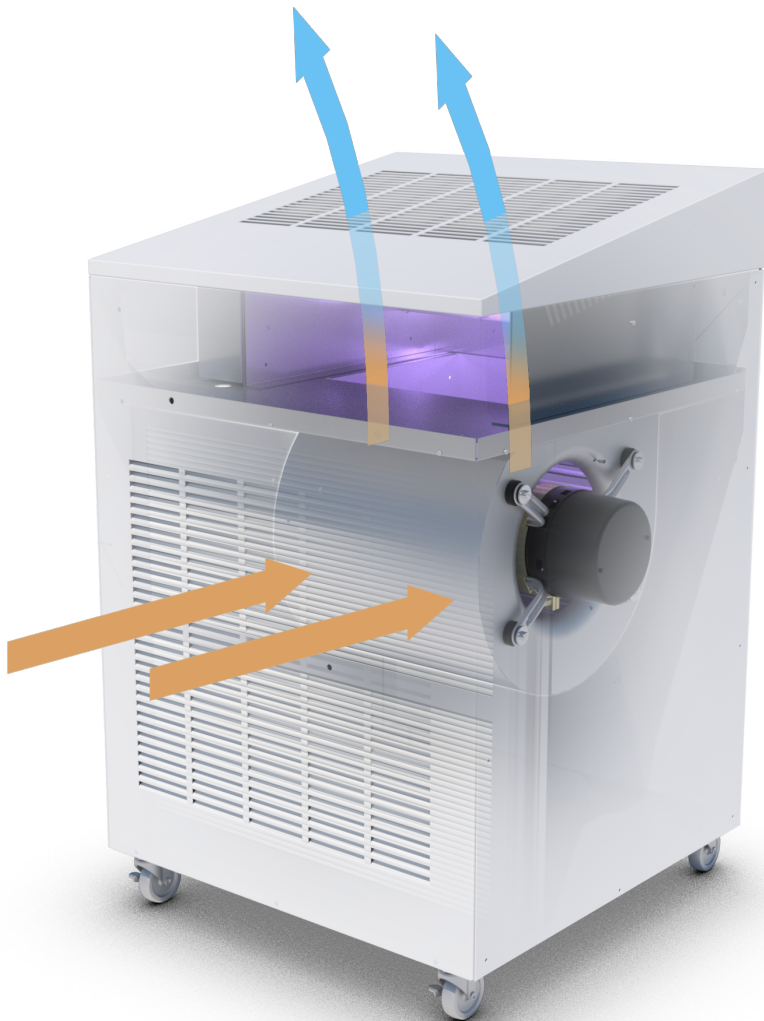
ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers), the primary US organization responsible for providing building standards and guidelines related to ventilation of commercial buildings, also recommends using portable high-efficiency air filtration (HEPA) systems to protect against the SARS-CoV-2 virus in high density commercial and institutional spaces.²

¹ <https://www.cdc.gov/coronavirus/2019-ncov/community/office-buildings.html>

² ASHRAE Position Document on Infectious Aerosols, April 2020

ENGINEERED PERFORMANCE

The RAP uses an internal fan to draw air into the return, through a HEPA filter, and then send the air back into the space through a grille. With the fan continually running, the air in the occupied space is consistently filtered to provide purified, clean air.



TYPICAL APPLICATIONS

The Room Air Purifier (RAP) is an ideal option for any indoor spaces where additional filtration is desired, including office spaces, classrooms, hotels and more.

The RAP improves indoor air quality with air. It is designed to continuously cycle air through a HEPA filter, eliminating unwanted dust particles, germs and contaminants.

FEATURES

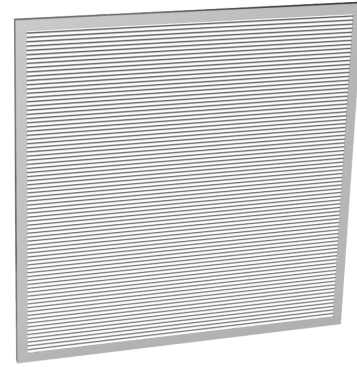
- + 150-600 cfm
- + Easily removable and replaceable HEPA filter
- + Quiet operation
- + MERV 8 pre-filter
- + Energy efficient smart EC motor
- + Adjustable fan speed
- + 115 V power cord
- + Antimicrobial powder coat finish
- + Casters provided for ease of mobility

OPTIONS

- + UV light treatment
- + Bi-polar ionization

FILTERS

The air entering the RAP is pre-filtered with a MERV 13 filter. The air then passes through a HEPA filter with a gasket seal on the filter frame to create a reliable seal to prevent filter bypass. Filters are available in MERV 13 for at least 95% viral particle removal or HEPA for 99.99% filter efficiency.



UV LIGHT

The UV light provides 360-degrees of high UV-C intensity and easily mounts to the exterior of supply, return or exhaust plenums or ducts, making it ideal for disinfecting air streams in HVACR equipment. Widely used in hospitals and institutional applications, UV-C energy (254nm) also lowers the cost of maintaining and operating HVAC equipment.



BIPOLAR IONIZATION

The plasma air ionizer proactively purifies indoor air by producing positive and negative oxygen ions to neutralize harmful pollutants and odors.

Testing has proven the effectiveness of plasma air ionization technology in the reduction of MS2 Bacteriophage, a surrogate for SARS-CoV-2 (COVID-19), in indoor environments.¹



¹ <https://blog.plasma-air.com/plasma-air-ionization-proven-to-reduce-coronavirus-surrogate-ms2-bacteriophage-by-99-in-independent-spanish-testing/>

RAP

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Room Air Purifier is simple to install, operate, and move around the space as needed.



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