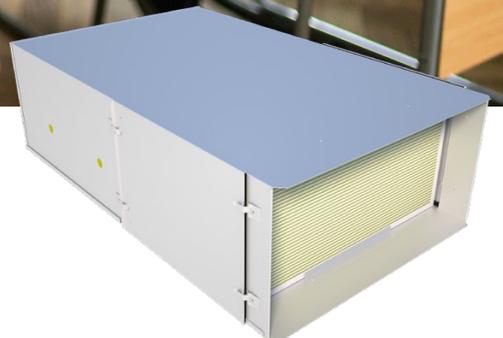


OAP

OVERHEAD AIR PURIFIER

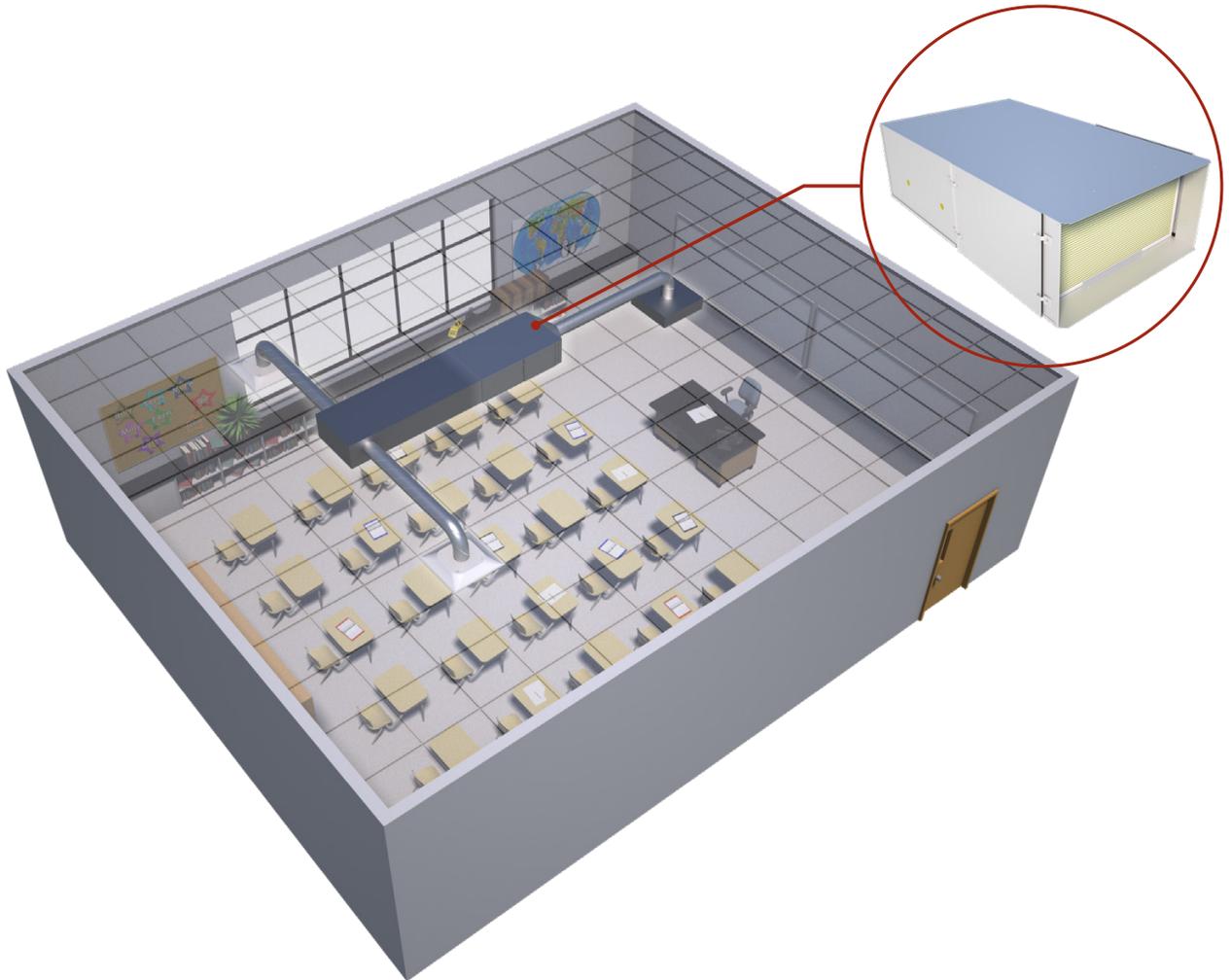


OAP

Overhead 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. Air distribution systems in most commercial spaces are primarily designed with cost and thermal comfort in mind, which results in minimized ventilation airflows and lower than optimal indoor air quality.

The Overhead Air Purifier (OAP) is an ideal option for improving indoor air quality in high density areas like office spaces, classrooms, fitness centers, retail, and restaurants. It is designed to continuously cycle air through an air filter, eliminating unwanted airborne particulates.



The CDC (Centers for Disease Control and Prevention) recommends using high-efficiency air filtration systems for the safe operation of schools and office buildings.¹

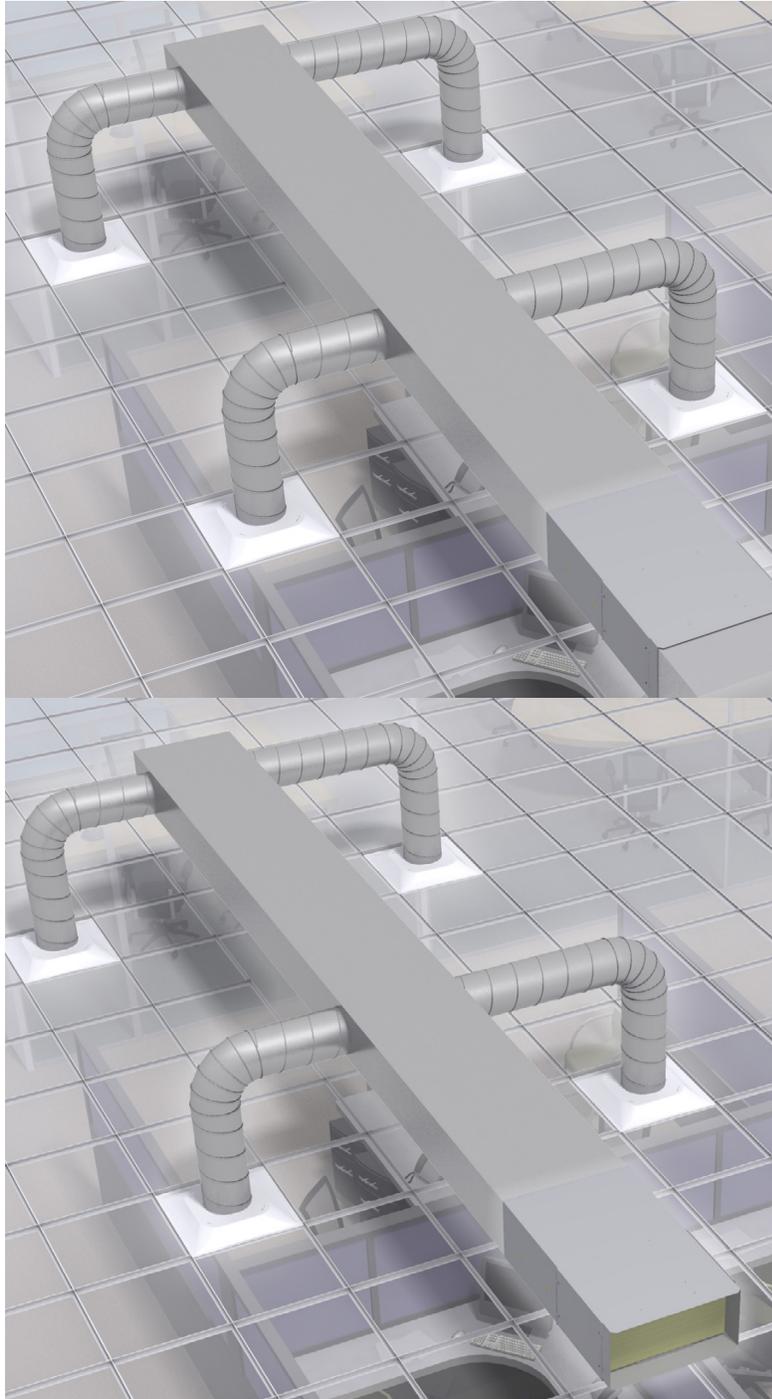
ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers), the primary US organization responsible for providing building standards and guidelines related to ventilation of commercial buildings, also recommends using high-efficiency air filtration systems to protect against air particulates 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 OAP uses an internal fan to draw air through an air filter, and then discharge the air back into the space through any Price Industries diffuser. With the fan continually running, the air in the occupied space is consistently being filtered. The return inlet of the OAP can operate with or without ductwork.



TYPICAL APPLICATIONS

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

The OAP utilizes proven air purification technologies to improve indoor air quality and combat the challenges of air particulates.

The OAP is packaged above the ceiling, making it a permanent solution without utilizing valuable floor space, or modifying the existing HVAC system.

FEATURES

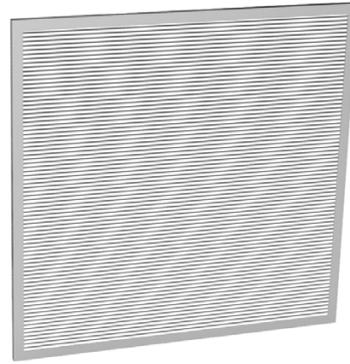
- + 100-800 cfm
- + Easily removable and replaceable filter
- + Quiet operation
- + Energy efficient smart EC motor
- + Adjustable fan speed
- + 115, 208, 240, 277 V
- + UL 2998 compliant bipolar ionizers

OPTIONS

- + UV light treatment
- + MERV 13 filter

FILTERS

The OAP is provided with a MERV 13, or a MERV 8 pre filter and HEPA filter. The HEPA filter has a minimum efficiency of 99.97% at 0.3µm particle size.



BIPOLAR IONIZATION

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

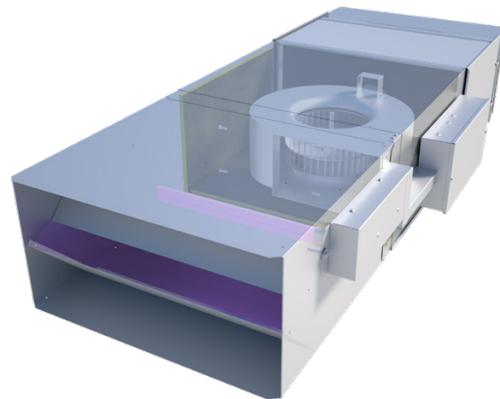
Testing has proven the effectiveness of Plasma Air ionization technology in the reduction of MS2 Bacteriophage.¹

UL 2998 compliant bipolar ionizers are available as a standard option for the OAP.



UV LIGHT

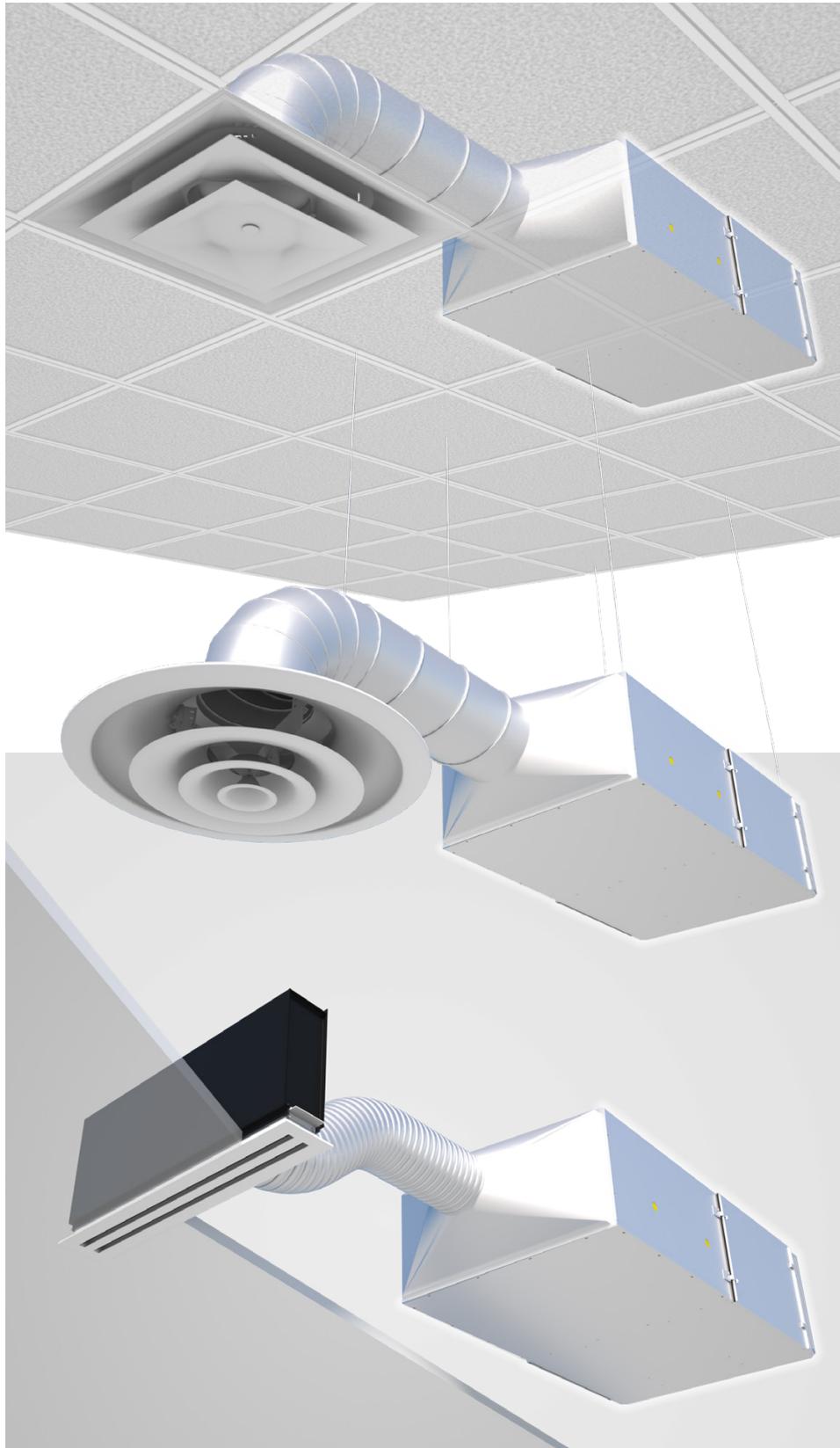
The UV light provides 360-degrees of high UV-C intensity light and is integrated into the interior of the OAP unit. It is ideal for disinfecting air streams in HVACR equipment. Widely used in hospitals and institutional applications, UV-C energy (254nm) is a low cost and safe solution for air disinfection.



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

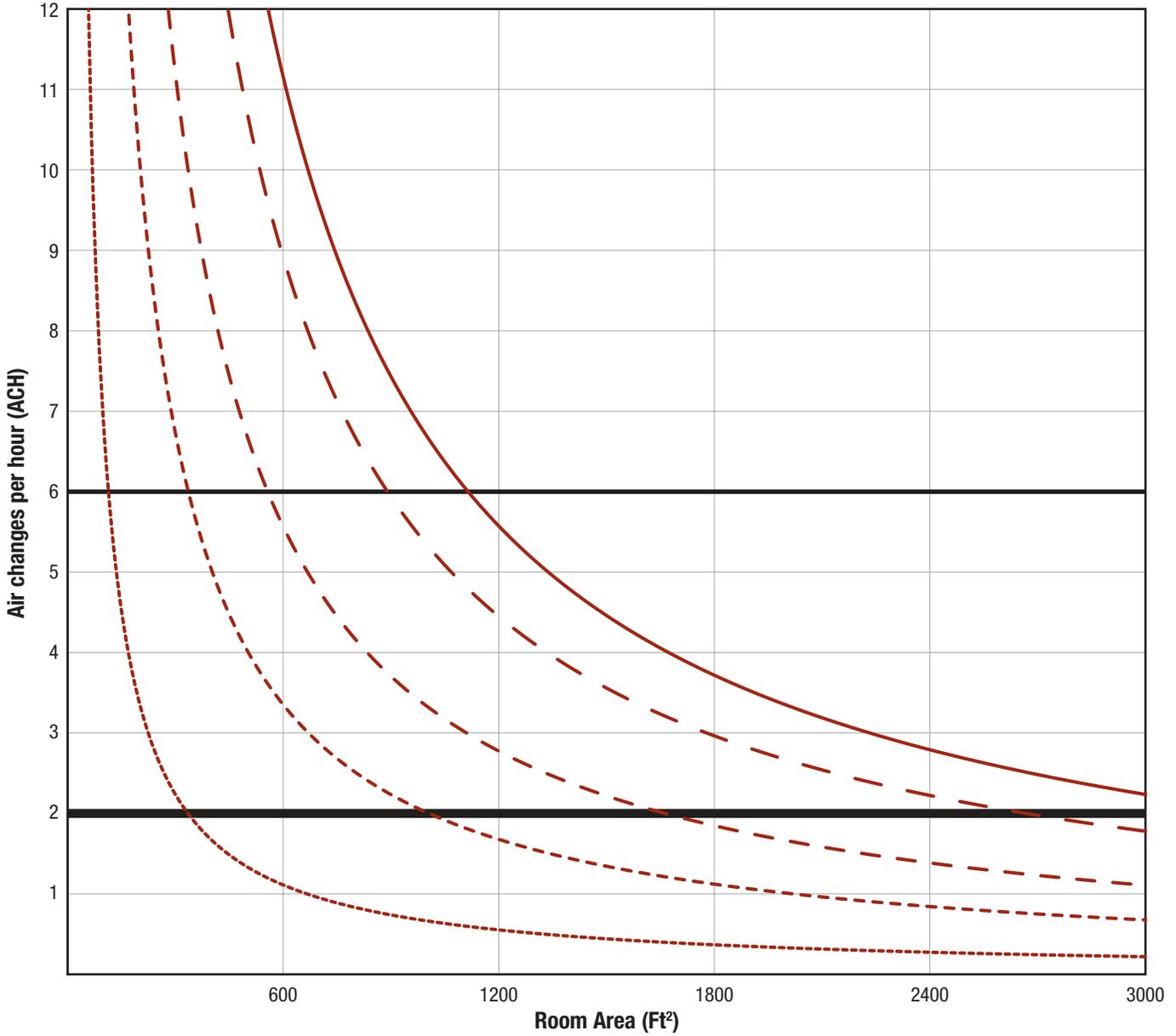
FLEXIBLE INSTALLATION

The OAP can be installed above a t-bar ceiling, drywall ceiling, or in an exposed open ceiling application. Any Price Industries diffusers can be applied.



PERFORMANCE DATA

Air Changes Per Hour vs Room Square Footage



- - - - - 100 CFM
 - - - - - 300 CFM
 - . - . - 500 CFM
 - - - - - 800 CFM
 ————— 1000 CFM

————— The Harvard Healthy Buildings strategy recommends targeting 6 air changes per hour (ACH) for classrooms to maintain ideal air quality [Schools For Health, Risk Reduction Strategies for Reopening Schools (updated 11-2020), Keeping Schools Open Needs to be Prioritized – Schools For Health]

————— ASHRAE has recommended a minimum of 2 air changes per hour (ACH) in classrooms [ASHRAE Epidemic Task Force, Schools & Universities, (updated 7-17-2020), <https://www.ashrae.org/>]

PRICE | **TERMINAL UNITS**

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