

# enVerid Air Purifier

Make the air in your school safer and healthier, permanently.



## Reliable, Long-Term Solution for Airborne Virus Transmission

The enVerid Air Purifier is an in-room, ceiling-mounted True HEPA air cleaner with optional UVC lamps that captures 99.99% of viruses. For schools looking for a long-term, commercial-grade local HEPA solution, the product delivers an easy to install, ultra quiet and energy efficient alternative to costly HVAC system upgrades. With the enVerid Air Purifier, schools can cost-effectively boost air change rates four to five times an hour to meet industry-recommended best practices to improve indoor air quality and help ensure the safety of students, teachers, and staff.



## A Better Solution for Cleaning Air in Schools

The enVerid Air Purifier offers schools a cost-effective, long-term solution to remove virus particles and wildfire smoke from indoor air without the significant expense of upgrading HVAC systems and the “energy penalty” associated with conditioning higher volumes of outside air. Unlike temporary portable air filters that are noisy and distracting, use valuable floor space, present trip hazards from electrical cords, and are difficult to track and manage because they are easy to unplug and move, the enVerid Air Purifier is a permanent, optimally placed solution that is quiet, easy to operate, and manage at scale.

- Superior Performance:** Multiple health authorities including the CDC have stated that fixed recirculation systems such as the enVerid Air Purifier are preferred to portable filters because they can be installed with a higher degree of reliability and because they more reliably achieve adequate room air mixing and airflow patterns due to the distance between the supply and return grills.
- Permanent:** The enVerid Air Purifier is permanently mounted from the ceiling as a long-term investment in safe, clean indoor air. Units can be mounted below the ceiling where their visibility provides peace of mind, or out of sight in the ceiling plenum.
- Quiet Learning Environment:** The enVerid Air Purifier’s ceiling-mounted design reduces noise and provides a quieter, more distraction-free classroom experience than portable units.
- Space-Efficient, Cordless and Tamper Free:** The enVerid Air Purifier provides a safe, cordless, tamper-free air cleaning solution for learning environments. Being tamper-free means less ongoing maintenance is required to maintain peak performance.
- 99.99% Effective. Validated by Testing:** LMS Technologies, a U.S.-based independent air media and filter testing company, found the enVerid Air Purifier captures 99.99% of viruses from air passing through the filter. enVerid’s Air Purifier is one of the only local filtration products to undergo independent lab testing for a surrogate virus for SARS-CoV-2.
- Dual Catch and Kill Technology:** Unlike filtration-only solutions, the enVerid Air Purifier combines a True HEPA filter with optional UVC lamps to both capture and kill viruses.
- Fast, Easy Installation:** The enVerid Air Purifier has an easy-to-install design and can be quickly installed at schools by facility staff or a contractor over a weekend or holiday break.
- Scalable:** Each enVerid Air Purifier is ideal for rooms up to 1,000 ft<sup>2</sup>, roughly the size of a typical classroom. Multiple units can be added to clean the air in larger school spaces such as hallways and school entryways.

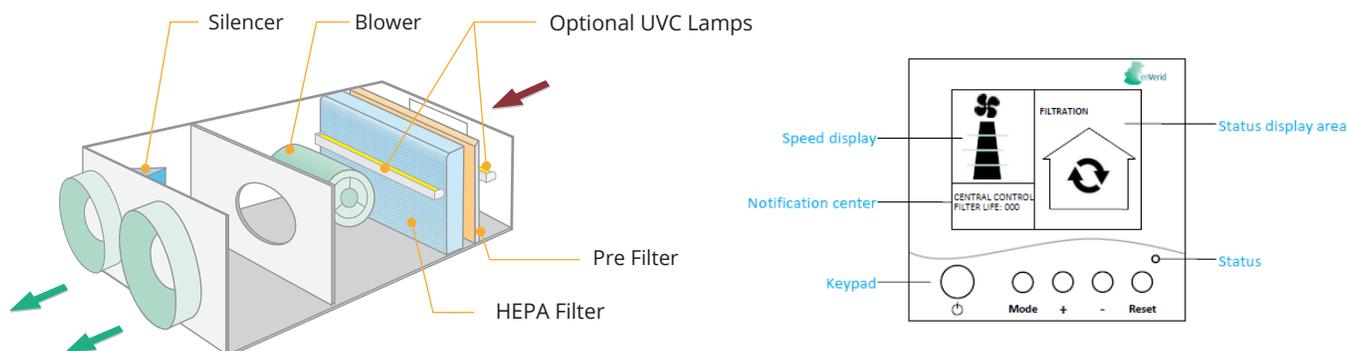
### EXAMPLE ENVERID AIR PURIFIER SIZING

Building Type	Floor Area (sq ft)	Ceiling height (ft)	enVerid Air Purifiers	Current Ventilation	OA Ventilation ACH	enVerid Air Purifier ACH	Total ACH	% ACH Increase
Classroom	900	8	1	Low ventilation	1	4.2	5.2	420%
Classroom	900	8	1	Typical school	1.5	4.2	5.7	280%
Classroom	900	8	1	Good ventilation	3	4.2	7.2	140%

## How it Works

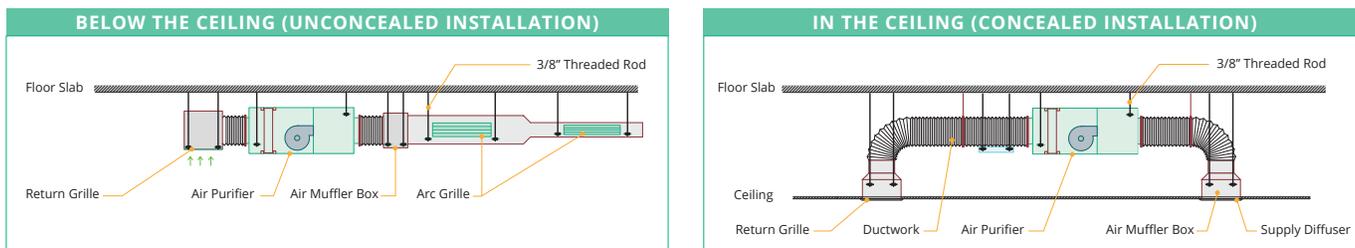
Each enVerid Air Purifier unit is mounted from the ceiling, quietly pulling air from the occupied space and running it through a pre-filter and True HEPA filter. Cleaned air is then sent back into the space. Each unit treats up to 1,000 ft<sup>2</sup> of space, cleaning the entire air volume every 20 minutes. Multiple units can be installed to meet the requirements of any size space.

The diagram below shows the components within the enVerid Air Purifier and the wall-mounted control panel. The control panel is connected to the unit using a hard-wired connection and can be mounted in the space or in a nearby IT or electrical/mechanical room.



## Installation and Maintenance

The enVerid Air Purifier's slim profile and ducted design allows for easy installation and wide coverage area.



The enVerid Air Purifier can be installed below the ceiling or in the ceiling plenum. Four hanging brackets are included with the unit for installation with 3/8" threaded rods (not included). Duct connections and ceiling return may be required depending on the installation. The unit requires access to 120V or 220V power and is connected to the controller with an 18-gauge stranded shielded communication wire (not included). Side access is required for safe and easy filter replacement. The filter display on the control panel shows the number of days until the next HEPA filter replacement, which is required every six-months if the UVC lamps are in use and twelve months if they are not in use. The washable pre-filter should be cleaned every time the HEPA filter is changed and replaced every 1-2 years. The UVC lamp bulbs should be replaced every 9,000 hours and cleaned whenever the HEPA filter is replaced.

PRODUCT SPECIFICATIONS								
L x W x H	WEIGHT	COLOR	MAX SPACE	SPEEDS	VOLTAGE	POWER (WATTS)	AIR FLOW (CFM)	NOISE (DB)
32" x 20" x 13"	50 lbs.	Gray or white	1,000 SQFT	4	120V or 220V	381/318/276/238	500/400/300/200	51/45/41/38

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Energy Savings. Air Quality.

enVerid helps buildings achieve ESG (Environmental, Social, and Governance), healthy building, and cost saving goals by improving indoor air quality while saving money and reducing energy consumption and carbon emissions. For new HVAC systems, enVerid's award-winning HVAC Load Reduction (HLR) Modules enable immediate capital cost savings. HLR Modules also deliver up to 30% energy savings and superior indoor air quality in new and existing buildings. enVerid's air filtration products remove particulate and microorganism contamination from indoor air without the significant cost of upgrading mechanical systems and increasing mechanical ventilation rates. enVerid's products are deployed in commercial, academic and government buildings globally. enVerid's HLR Modules are ASHRAE Standard 62.1, LEED, and WELL compliant and eligible for utility rebates. For more information visit <https://enverid.com>.