

enVerid Sorbent Filters

Capture CO₂, Ozone, and a Wide Range of VOCs with No Byproducts



Air Cleaning for Gaseous Contaminants

The enVerid Sorbent Filter is a field-replaceable filter that delivers proven, long-lasting air cleaning for gaseous contaminants such as CO₂, ozone, and a wide range of volatile organic compounds (VOCs), including formaldehyde, without producing any byproducts.

enVerid Sorbent Filters improve indoor air quality, save energy, and reduce the cost of new HVAC equipment by reducing outside air requirements by up to 80% when deployed in accordance with the ASHRAE IAQ Procedure. The enVerid Sorbent Filter is designed for use in any HVAC system that incorporates Sorbent Ventilation Technology™.

enVerid Sorbent Filters capture airborne contaminants through a process by which contaminant molecules attach to the surface of the sorbent material as air passes through the filter. Sorbent filter efficacy for all contaminants of concern specified by ASHRAE and the U.S. Green Building Council, as well as CO₂, has been proven through rigorous testing by accredited independent labs. Third-party tests have also confirmed that enVerid Sorbent Filters do not produce any VOC or ozone byproducts.



Sized for Easy Replacement

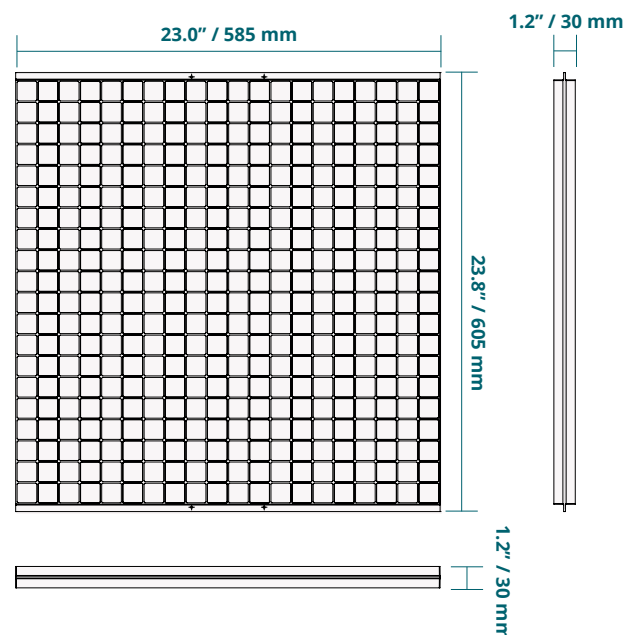
DIMENSIONS

WIDTH 23.0" / 585 mm

LENGTH 23.8" / 605 mm

DEPTH 1.2" / 30 mm

WEIGHT 16.5 lbs / 7.5 kg



Validated, Long Lasting Performance

enVerid Sorbent Filters have undergone rigorous performance testing using industry-standard test procedures including ASHRAE 145.2, the Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems, and ASHRAE 52.2, the Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size. ASHRAE 145.2 testing has also confirmed that enVerid Sorbent Filters do not produce any ozone or VOC byproducts.

enVerid Sorbent Filter independent test results are summarized in the following table:

Air Cleaning Efficiency for enVerid HLR Modules (based on ASHRAE 145.2 and 52.2 test methods)			
CONTAMINANT	EFFICIENCY	THIRD-PARTY LAB	TEST METHOD
Acetaldehyde	64%	RTI International	ASHRAE 145.2
Acetone	64%	RTI International	ASHRAE 145.2
Benzene	87%	RTI International	ASHRAE 145.2
Formaldehyde	99%	LMS Technologies	ASHRAE 145.2
Naphthalene	87%	RTI International	ASHRAE 145.2
Phenol	60%	RTI International	ASHRAE 145.2
Toluene	52%	RTI International	ASHRAE 145.2
Xylene, total	60%	RTI International	ASHRAE 145.2
PM _{2.5}	75%	RTI International	ASHRAE 52.2
Ozone	70%	RTI International	ASHRAE 145.2
CO ₂	57%	Hygieia Sciences	ASHRAE 145.2

Handling and Storage

- Store in a cool, dry place
- Keep away from direct sunlight
- Keep out of contact with water
- Store in original packaging until used
- Wear gloves or wash hands after handling
- For use only in HVAC systems with Sorbent Ventilation Technology™

Recycling, Disposal and Safety

- Place spent Sorbent Filters into replacement Sorbent Filter packaging
- Sorbent Filters must be sent to an enVerid-approved disposal site. Check with your local distributor or enVerid for shipping locations
- In case of puncture and spillage of sorbent:
 - Avoid skin contact or ingestion of spilled sorbent
 - Collect spilled granules before applying water or detergents to spill area

enverid.com • 1.617.795.4000 • info@enverid.com

Energy Savings. Air Quality.

enVerid Systems, the leading provider of sustainable indoor air quality (IAQ) solutions, helps buildings achieve air quality goals, save money, and reduce energy consumption and carbon emissions. Its flagship HVAC Load Reduction® (HLR) modules are award-winning air cleaners that deliver up to 40% HVAC energy savings and superior indoor air quality in new and existing buildings. For new HVAC systems, HLR modules also enable immediate capital cost savings. At the core of all HLR modules is enVerid Sorbent Ventilation Technology™ (SVT™), uniquely designed to capture gaseous contaminants that degrade indoor environmental quality. enVerid's HEPA air filtration products remove particulate and microorganism contamination, including viruses, 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. Its air cleaning products are ASHRAE Standard 62.1, LEED® and WELL compliant and eligible for utility rebates. For more information, please visit enverid.com.