

Cost-Effective HVAC for Community Spaces

Enhance Air Quality and Reduce Costs with Sorbent Ventilation Technology®



Addressing Ventilation Needs

Community spaces often face budget constraints and may not have ventilation systems that meet current codes. enVerid's Sorbent Ventilation Technology® (SVT®) offers a cost-effective solution to improve indoor air quality (IAQ) without the need for extensive and expensive HVAC upgrades.



 REDUCE COSTS	 SAVE ENERGY	 INSTALL EASILY
 IMPROVE AIR QUALITY	 EARN LEED/ WELL POINTS	 REDUCE CARBON

Save Money, Energy & Emissions

By filtering harmful gaseous contaminants from indoor air, SVT may be used to maintain indoor air quality (IAQ) with less outside air ventilation. This enables owners to install smaller, less expensive HVAC systems that use less energy and operate more efficiently. In space conversion applications, community spaces can often repurpose existing HVAC equipment by adding SVT without having to install larger HVAC systems.

Optimizing Budgets and Air Quality in Community Spaces

In addition to budget constraints and HVAC systems that may not meet current codes, community centers often have high occupant density which can lead to elevated contaminant levels, impacting comfort and health. enVerid's HVAC Load Reduction® (HLR®) modules with SVT inside address these concerns by filtering harmful gaseous contaminants from indoor air so that comfortable and healthy indoor environments can be maintained with less outside air ventilation. This saves money and reduces energy use.

In retrofit applications, community spaces can often repurpose existing HVAC equipment without installing larger systems. This helps work within the building's existing electrical capacity, reducing the need for costly electrical upgrades while still enhancing ventilation and air quality. HLR modules with SVT can also be applied in spaces lacking adequate ventilation: by cleaning indoor air, no additional HVAC upgrades may be required. This lowers costs for contractors and building owners while meeting ventilation standards.

In new construction applications, community spaces can also downsize HVAC equipment and the electrical service and ductwork to save budget, all while optimizing IAQ for each area's needs. The full range of HLR modules can be considered to reduce VOCs and carbon dioxide, allowing for further reduced outside air ventilation requirements.

Full Compliance with Building Codes

Reducing outside air using SVT fully complies with ANSI/ASHRAE Standard 62.1, Section 6.3 (IAQ Procedure or IAQP) and the International Mechanical Code.

Third Party Validated Safe and Effective

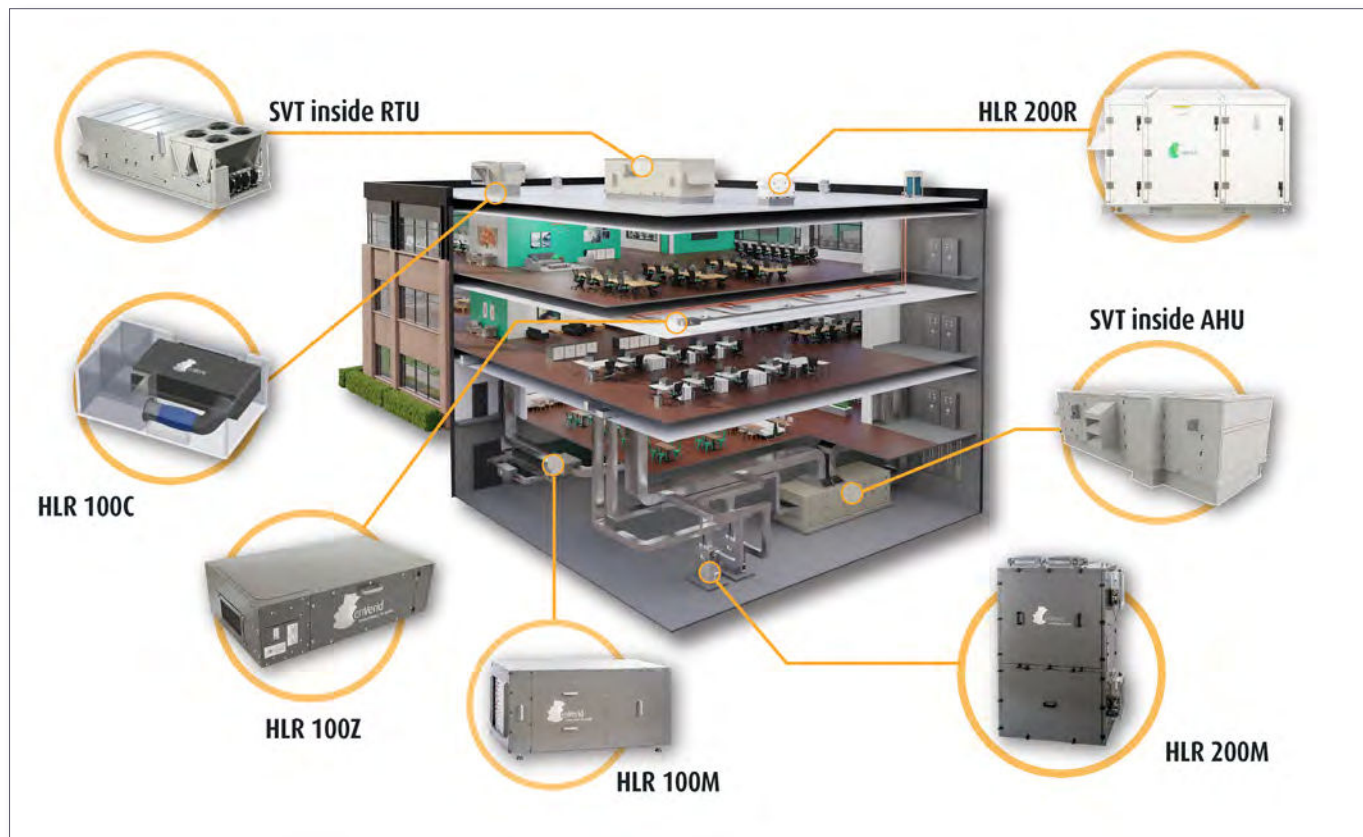
SVT has undergone independent lab tests for cleaning efficiency using ANSI/ASHRAE Standard 145.2. Independent testing has also confirmed that SVT sorbent filters produce zero byproducts, such as VOCs or ozone.

SOLUTIONS FOR

- Religious Centers
- Event Spaces
- Community Centers
- Cultural Centers
- Civic Centers
- Recreation Centers
- Nutrition Centers

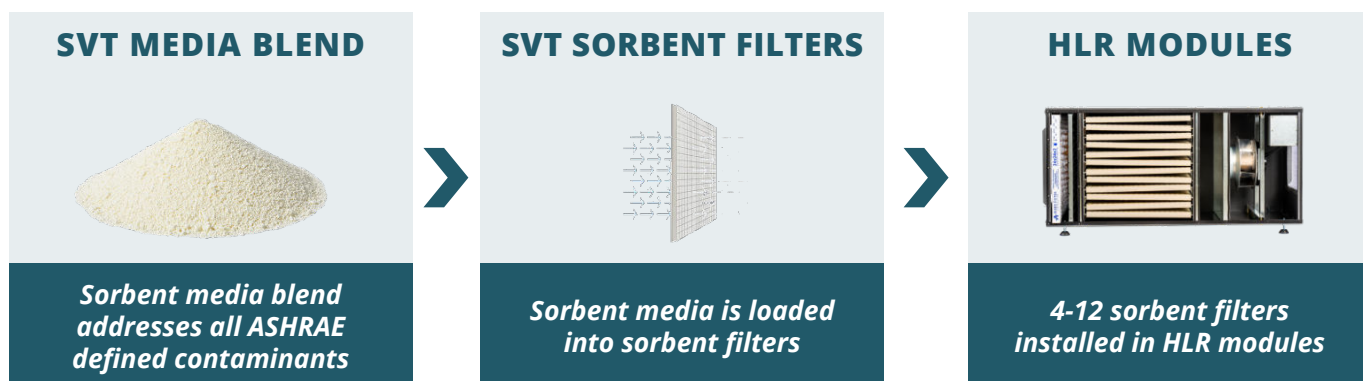
Simple to Install with all HVAC System Types

Standalone HLR modules with SVT inside come in a variety of form factors enabling easy integration with all types of commercial HVAC systems. Additionally, SVT can be directly integrated inside HVAC equipment providing a simple, streamlined application.



The Science Behind Sorbent Ventilation Technology

The core of SVT is a unique sorbent media blend that has a high cleaning efficiency and long lifetime for all 14 design compounds that must be controlled to comply with ASHRAE 62.1 IAQ Procedure.



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Energy Savings. Air Quality.

enVerid Systems' award-winning Sorbent Ventilation Technology® (SVT®) reduces the cost and carbon emissions of heating, ventilating, and air conditioning commercial buildings and increases their resiliency to polluted outside air. SVT delivers these benefits by filtering harmful contaminants from indoor air so that indoor air quality can be maintained with less outside air ventilation, which is energy intensive and expensive to condition and may be polluted. Reducing outside air requirements enables building owners to install smaller, less expensive HVAC systems that use less energy and to operate existing HVAC systems more energy efficiently. SVT is available in systems sold by leading HVAC manufacturers such as Daikin and Oxygen8 and in enVerid's HVAC Load Reduction® (HLR®) modules, which can be easily integrated with HVAC systems from any manufacturer. Over 1,000 HVAC systems with SVT have been installed into commercial, academic, and government buildings globally over the past ten years in full compliance with ASHRAE Standard 62.1 and the International Mechanical Code. SVT can also be used to earn LEED and WELL points. For more information, please visit enverid.com.