Sorbent Ventilation Technology®

Optimize ventilation with gas-phase filtration.
Cut energy. Lower emissions.

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

Save Money, Energy & Emissions

Reducing outside air requirements enables building owners to install smaller, less expensive HVAC systems that use less energy and operate more efficiently. Gas-phase filtration can also be used to earn LEED and WELL points.

NEW CONSTRUCTION & RETROFIT SOLUTIONS FOR COMMERCIAL BUILDINGS

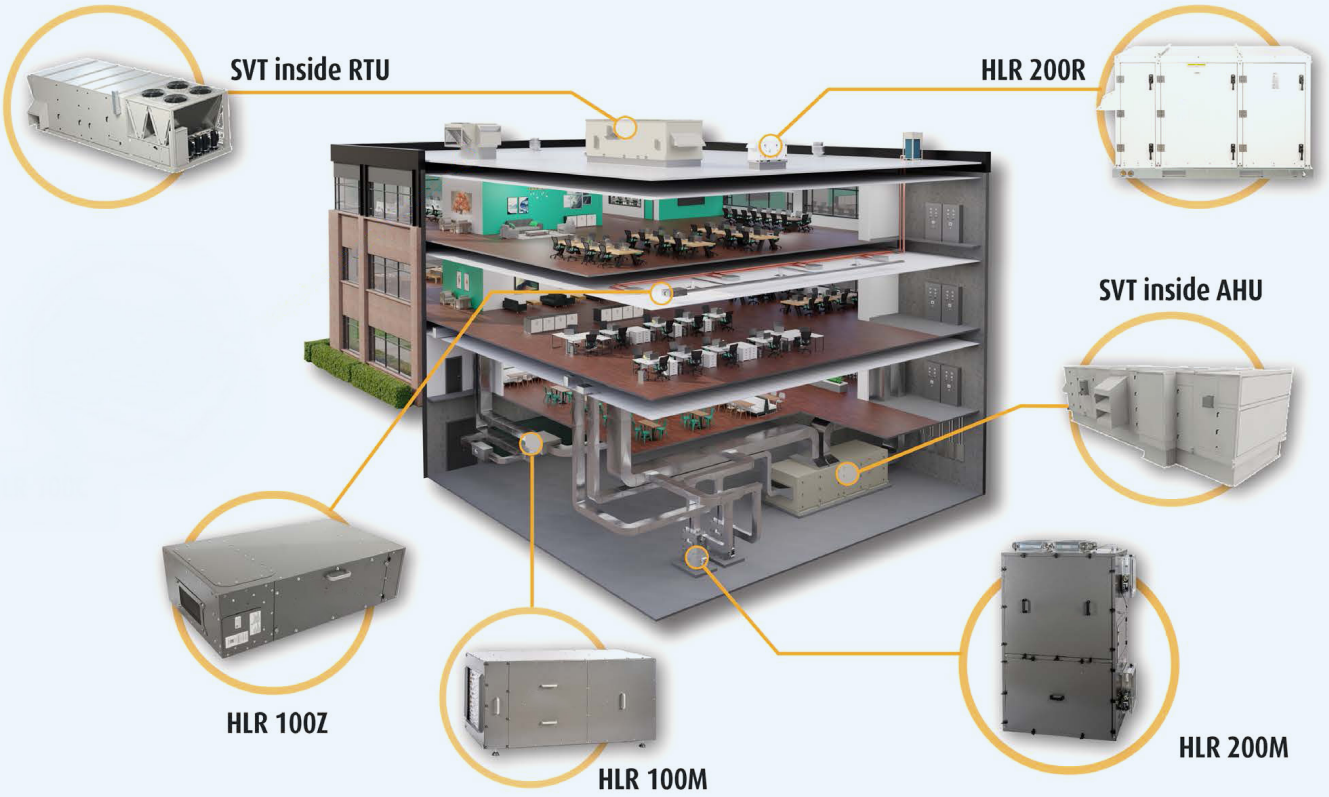
Gas-phase filtration, also referred to as Sorbent Ventilation Technology can be deployed across a broad range of commercial buildings and space types. Available in various form factors, this technology can be applied cost effectively for both retrofit and new construction projects providing significant opportunities to leverage the technology to generate considerable benefits.

- SCHOOLS/ DAYCARE
- OFFICES
- CONDITIONED WAREHOUSES
- RETAIL
- ARENAS
- LIBRARIES
- MEDICAL OFFICE & OUTPATIENT
- ASSEMBLY HALLS

FULL COMPLIANCE WITH BUILDING CODES

Reducing outside air using gas-phase filtration fully complies with ANSI/ASHRAE Standard 62.1, Section 6.3 (IAQ Procedure or IAQP) and the International Mechanical Code. By using ASHRAE's performance-based IAQP rather than the prescriptive Ventilation Rate Procedure (VRP), engineers can calculate a minimum ventilation rate that accounts for the benefits of compliant air cleaning systems to optimize cost, efficiency, and IAQ.

Various Application Types



SIMPLE TO INSTALL WITH ALL HVAC SYSTEM TYPES

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

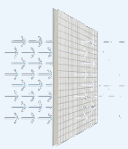
THE SCIENCE BEHIND GAS-PHASE FILTRATION TECHNOLOGY

The core of the technology 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.

MEDIA BLEND

Sorbent media blend addresses all ASHRAE defined contaminants

SORBENT FILTERS



Sorbent media is loaded into sorbent filters

HLR MODULES

4-12 sorbent filters installed in HLR modules

FOR MORE INFORMATION ABOUT OUR COMPLETE OFFERING OF HVAC SYSTEMS AND SOLUTIONS, VISIT **DAIKINAPPLIED.COM** TO FIND AN OFFICE NEAR YOU.