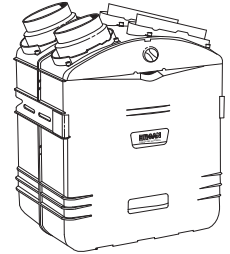


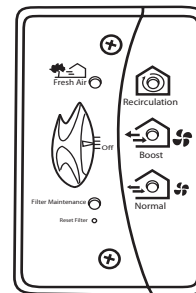
# GSVH1K FRESH AIR SYSTEM



### HEPA FILTRATION AND FRESH AIR VENTILATION FOR THE ENTIRE INDOOR ENVIRONMENT

#### FEATURES

- High Efficiency Particulate Air (HEPA) Filtration System / HEPA pre-filter, with a >90% efficiency on 3.0 - 10 micron size particles to prevent premature HEPA filter contamination. True certified HEPA filter with a >= 99.97% efficiency on 0.3 micron particles. Airborne particles trapped by our HEPA filter include: Pet dander, dust, pollen, fungal spores, mold spores, bacterial spores, airborne dust mites and cockroach fecal antigens and proteins.
- Fresh air features:
  - Tandem™\*\* “Y” shaped transition provides a single home outlet; stale air is exhausted and fresh air drawn in simultaneously, without risk of contamination. The single hole in a home’s exterior reduces product installation time, materials, and cost.
  - AirDuo™\*\* duo-flow, air exhaust/intake outdoor hooded air vent, plus integrated grille, featuring integral intake and exhaust filters, eliminates air cross-contamination. (Optional “pine tree spore” filter available for mild-climates with Alpine/Pine tree vegetation.)
  - AirChoke™\*\* in response to Outdoor Air Temperature; our system’s AirChoke™ automatically attenuates air flows to increase system performance and owner comfort.
  - AirDiffuse™\*\* product mixing cavity is specifically designed to ensure proper mixing of external and internal air, which possess differing airflow rates, while ensuring consistent HEPA filtration and ventilation.
  - SoftLinkage™\*\* damper system. The SoftLinkage™ fresh intake and stale air exhaust dampers feature a roller cam damper system which eliminates the need for mechanical actuators, motors, and gear teeth with meshing wear-out problems, and expensive damper control logic circuitry.
- GuardianPlus™ Air Systems’ fresh air exchange eliminates excess humidity during cold weather “heating” seasons.
- Owner Interface / Electronic, low voltage owner interface ensures: No high voltage wiring and no electrician required. LED indication of the products mode of operation. LED indication of patent pending filter alert logic facilitates owner filter maintenance to ensure peak indoor air quality, comfort and system efficiency, which extends the product motor life. LED indication of wiring errors facilitate installation. Remote control (no need to go to the mechanical room or attic) of the systems filtration operating modes.
- Designed for Serviceability / Self-lubricating motor needs no service. Filterglide™\*\* system ensures trouble free prefilter and HEPA filter replacement. Filters are changed in less than five minutes.
- Installation Ready / Installs in less than three hours. Installation kit included (ducting not included). Integral AirSnap™\*\* snap-on duct ports facilitate rapid installation and eliminates cross contamination. Lightweight, with integrated carrying handles. Unit allows for vertical or horizontal installation.
- Easy-to-use wall switch included with unit / Better unit control with three settings; normal, boost, and recirculation modes. Includes fresh air indicator and filter maintenance indicator.



\*\*Patent Pending

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REFERENCE	QTY.	REMARKS	Project
			Location
			Architect
			Engineer
			Contractor
			Submitted by <span style="float: right;">Date</span>

# MODEL GSVH1K

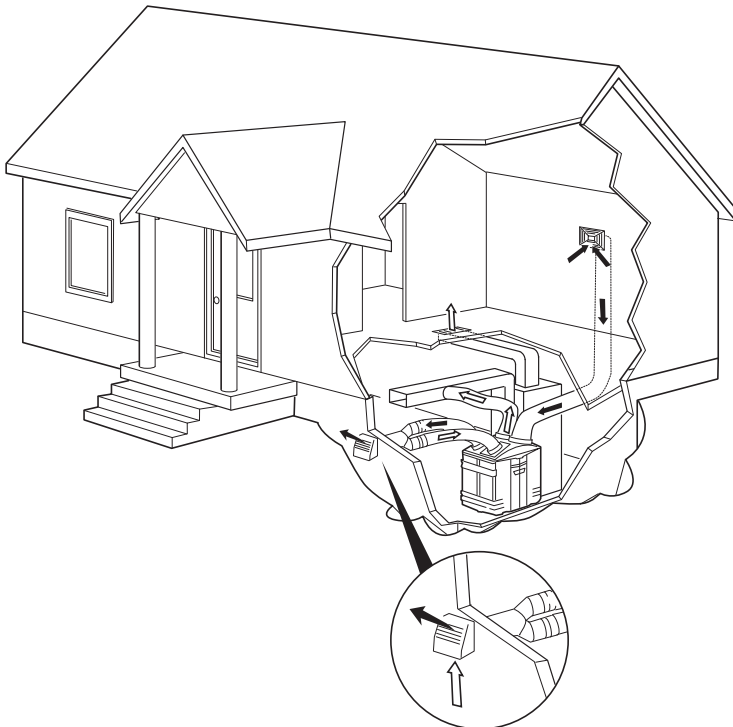
## PERFORMANCE SPECIFICATIONS

Air-Flows (where applicable)	
Fresh outdoor air intake (5" or 6")	95 cfm with 5" ducts 105 cfm with 6" ducts
Stale indoor air drawn from the space (8" duct)	270 cfm high speed 180 cfm low speed
Filter/Fresh air distributed to the indoor space (8" duct)	270 cfm high speed 180 cfm low speed

Filter Efficiency	
Normal mode	99.97 @ 0.3 micron @ 180 cfm
Boost mode	99.82 @ 0.3 micron @ 270 cfm
Recirculation mode	99.97 @ 0.3 micron @ 180 cfm

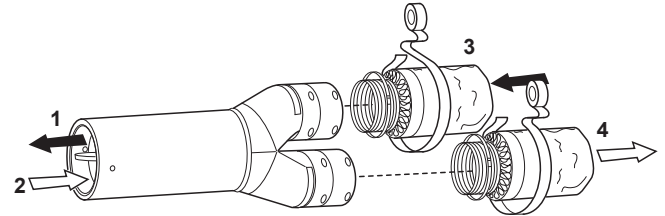
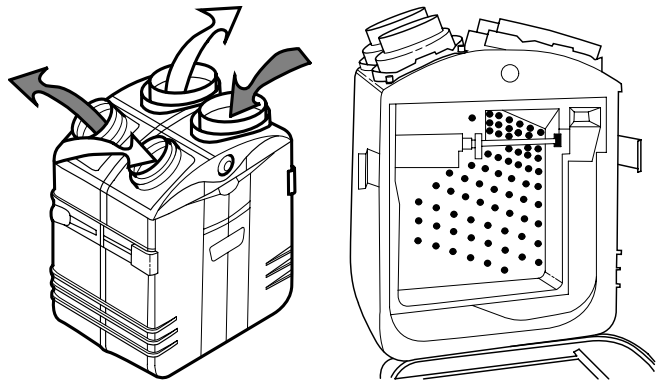
Unit Efficiency (Filtration)	
Normal mode	> 87% @ 0.3 micron
Boost mode	> 85% @ 0.3 micron
Recirculation mode	> 87% @ 0.3 micron

## INSTALLATION OPTIONS

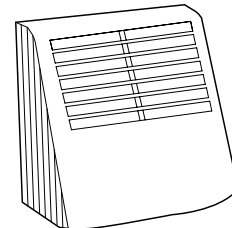


## GENERAL SPECIFICATIONS

- For houses from up to 2,500 sq. ft.
- HVI Rated of air flow: 105 cfm
- Voltage: 120 VAC
- Frequency: 60 hz
- Power Consumed: 220 Watts (Watts in normal, boost and recirculation modes)
- Dimensions: 29.4" x 22.9" x 17.8"
- Weight: 42 lbs
- Shipping Weight: 57 lbs
- Typical cross contamination: <3%
- Warranty: 2 years on parts and labor
- Materials (enclosure and insulation): ABS and EPS
- Agency Compliances: UL, cUL, Certified HVI airflow, and a key component in the compliance to ASHRAE 62-1999
- Wall control modes: Normal, Boost, and Recirculation



Our exclusive Tandem™ transition never mixes stale inside air (1) (coming from its duct unit (3)), and fresh air from outside (2) (going through its unit duct (4)). Both transition and AirSnap™ ports can be fitted with 5" and 6" diameter insulated flexible ducts.



Also shown is our AirDuo™ exhaust/intake air vent, which mounts on the exterior of the house. AirDuo™ is paintable and UV-ray protected.

## Installation (Typical Basement, Central Draw Point)

Fresh filtered air is distributed through the whole house. Only one outside connection is needed when using the Tandem™ transition and the AirDuo™ port\*, simplifying the installation.

\*Patent Pending



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