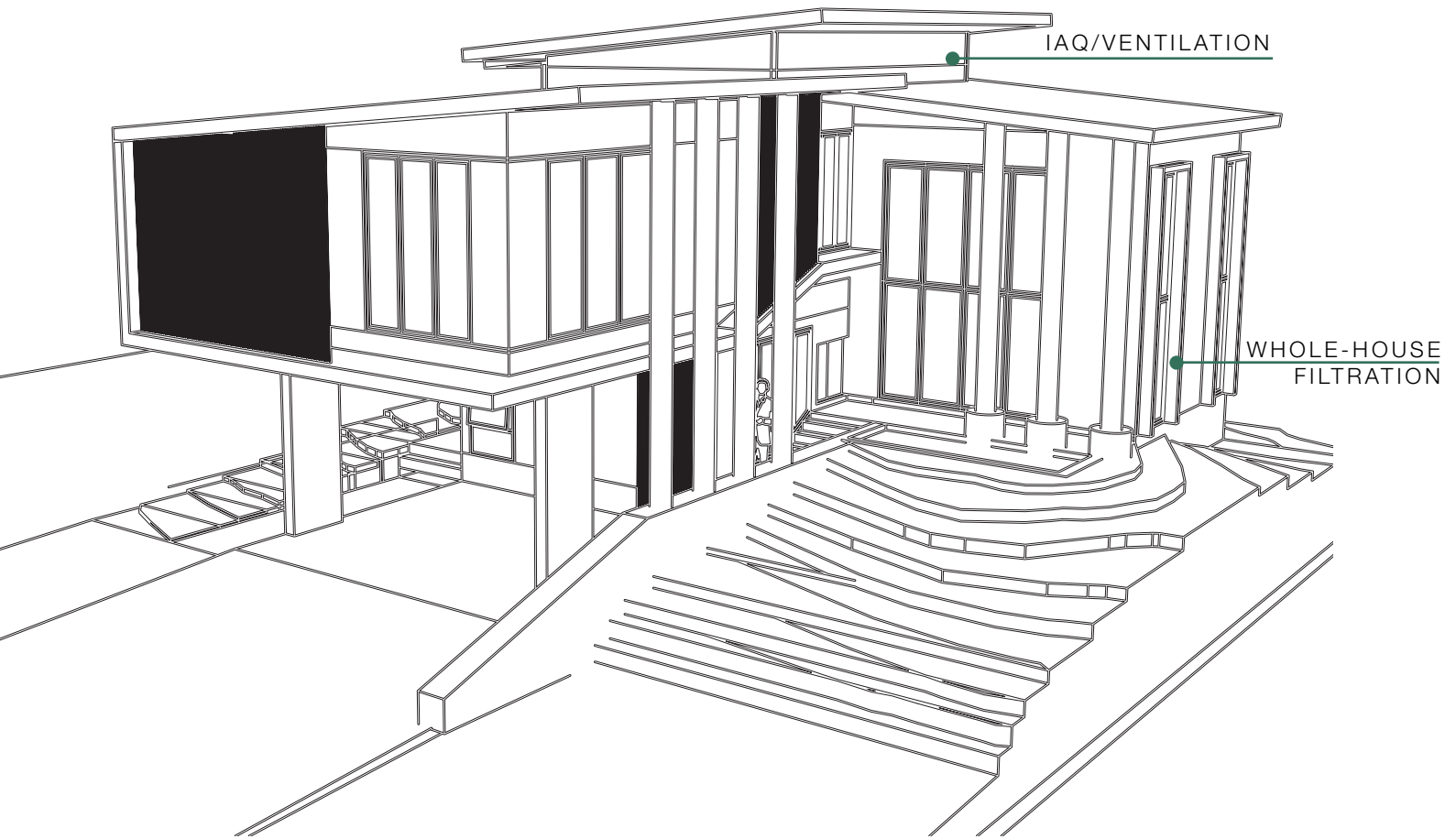




# Fresh Air Appliances

Solace<sup>®</sup>, Premier, Profile Series



# Think Green. Think Greentek.

Pulled by the demands for energy conservation that result in airtight homes, builders today need versatile and efficient fresh air appliances. The team at Greentek developed fresh air appliances that bring fresh air in without losing progress gained in energy recovery. These fresh air appliances offer the flexibility, durability, and efficiency that you have come to expect from Greentek for your single and multi-family residential construction projects.

- Solace – Top ducted system most often used in single-family homes, utilizes a counterflow heat recovery core and offers a secondary level of filtration with MERV-8 & MERV-13 filtration systems as an optional accessory.
- Premier – Slightly more compact, this side ducted system, again most often used in single-family homes, offers an efficient crossflow energy exchanger.
- Profile – Designed for small spaces, this compact and lightweight system fits best in multi-family residential installations over false ceilings.
- HS3.0 – This whole-house HEPA filtration system provides full-spectrum air cleaning by removing pollutants and allergens from the air circulating within the home. Ideal for single- or multi-family homes as well as small commercial settings.

With a history of contractor collaboration, Greentek’s engineers thoughtfully developed these products utilizing the highest quality materials, while still offering Sensible Recovery Efficiency (SRE) operation up to 82% Solace 1.5H-EC. With easy installation, and minimal homeowner maintenance, the quality is in our products, and I believe you’ll see that.

When specifying your next fresh air appliance,  
Think Green – Think Greentek.

Bruno Poitras  
Product Manager - IAQ



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# SOLACE®

**Solace®** fresh air appliance provides a controlled way of ventilating a home. It works continuously to supply fresh, filtered air into the building while removing the equal amount of moist, stale air.

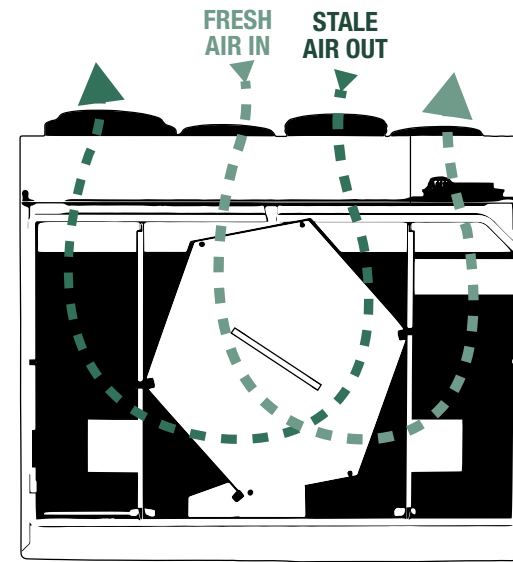
Up to 82% (on EC models) of the heat in the extracted air is recovered by the heat exchanger and used to heat the fresh air coming from outside.



- Round metal duct connections with rubberized duct seals
- Plastic collar shrouds with integrated backdraft prevention
- Removable screw terminal for easy connection with external access
- Top port design fits in tight spaces
- Includes chains. Optional wall mounting, sold separately.
- Counterflow heat recovery core
- Electrical box external access with easy connectors.
- Multiple speed operation
- Internal recirculation defrost
- Injected foam cabinet UL rated with improved aerodynamics, insulation and sound proofing
- Optional MERV 13 Filters
- Energy-efficient motors

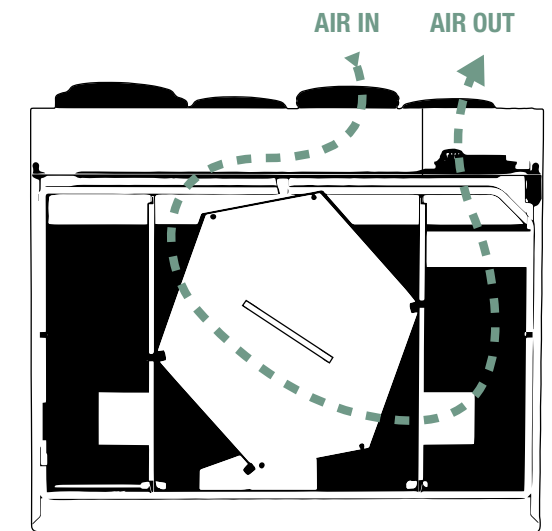


Single Family Home



## Counterflow Core

- More efficient than cross-flow
- Exceptional sensible recovery up to 82%



## Recirculation Defrost

- Most energy efficient frost prevention
- Ideal for high humidity indoor conditions or colder outdoor conditions



## Recommended Control\*

### STS 2.0, Programmable Touch Screen Wall Control

- Manual Mode
- ECO Mode

Offers 5 speeds to choose from:

- Low speed 20 minutes per hour
- Low speed 40 minutes per hour
- Low speed continuous
- Medium speed continuous
- High speed continuous

With just one touch, the unique ECO Mode will reference your preferred daytime and night time settings to automatically choose the best operating mode based on your home's current conditions. By sensing indoor Relative Humidity (RH) and outdoor incoming temperature, the STS 2.0 will find the right balance between good air quality and lower energy consumption.

\*Solace® is compatible with all controls

## WHAT SETS SOLACE® APART?



Counterflow core



Optional MERV-13 Filter



Top ported

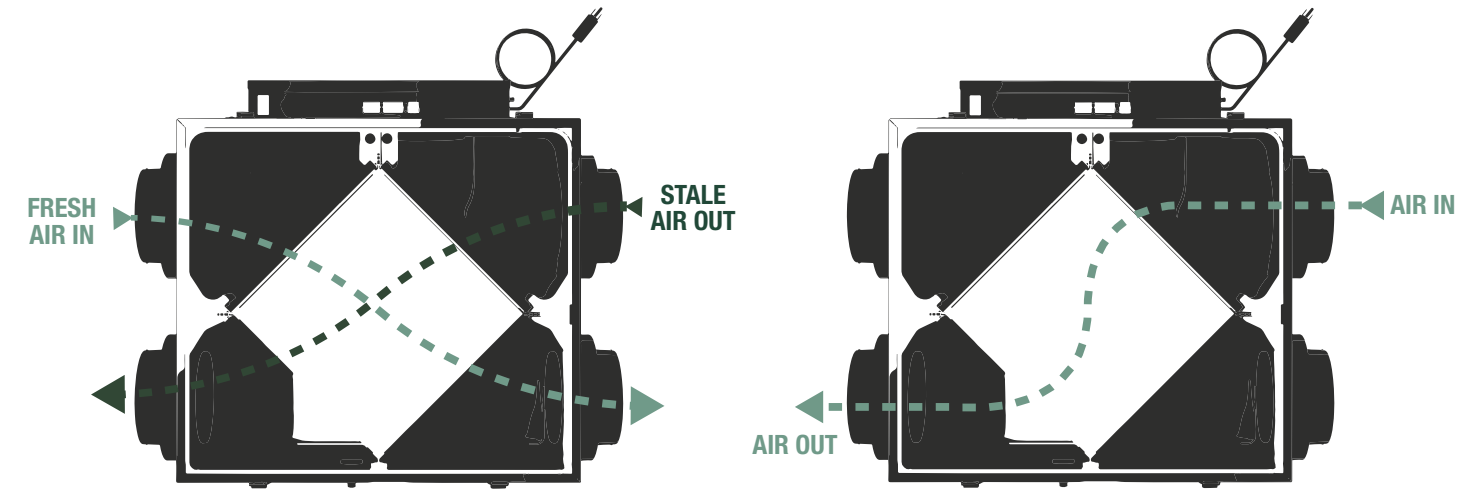
# PREMIER

**Premier** is designed for high static pressure applications that demand high efficiency. The product is equipped with an automatic defrost mechanism that is activated when outdoor air temperature drops to 23°F (-5°C) or lower. During the defrost cycle, the supply air fan shuts down while the exhaust air fan switches into high speed to maximize the effectiveness.

The appliance features an efficient cross-flow exchanger with SRE up to 75%, standard MERV3 filters, a hanging chain kit, easy connect ports, duct ports with plastic collar shrouds for simple and quick installation, and integrated air balancing taps.



- Compact design
- Electrostatic filters (washable)
- Cross-flow core (ERV) transfers both heat and humidity  
Cross-flow core (HRV) transfers heat only
- Removable screw terminal for easy connection with external access
- Lightweight
- Multiple speed operation
- Chain mount standard, wall bracket optional
- One-piece foam cabinet



## Cross-flow Core

- Up to 75% energy transfer
- Transfer heat and moisture from incoming air to outgoing air

## Supply Fan Shutdown Defrost

- Simple and robust frost prevention system



## Recommended Control\*

### EHC 2.5, Multi-Function

This control activates the system on 3 possible modes of operation:

- Ventilation Mode - Removes stale air from inside your home and replaces it with fresh outdoor air
- Recirculation Mode - Takes air from areas of your home and redistributes it to other rooms. No outdoor air is introduced into the home<sup>1</sup>
- Standby Mode - Inactive unless the indoor relative humidity is above the setpoint on the control

The fan speed can be selected.– Reduced, Medium, Normal or 20min/h

\***Premier** is compatible with all controls

<sup>1</sup>This option only applies to units that have recirculating features

## WHAT SETS **PREMIER** APART?



• Note: PRS 0.7H is part of the Premier Series, but is a top-ported appliance unlike the other side-ported appliances in the series.

# PROFILE

**Profile** features a slim housing, side port connection, energy recovery core, and supply fan modulation for frost prevention. Ideally suited for condominiums and apartments.

**Profile** brings a continuous supply of fresh air into the premises while exhausting an equal amount of contaminated air out.

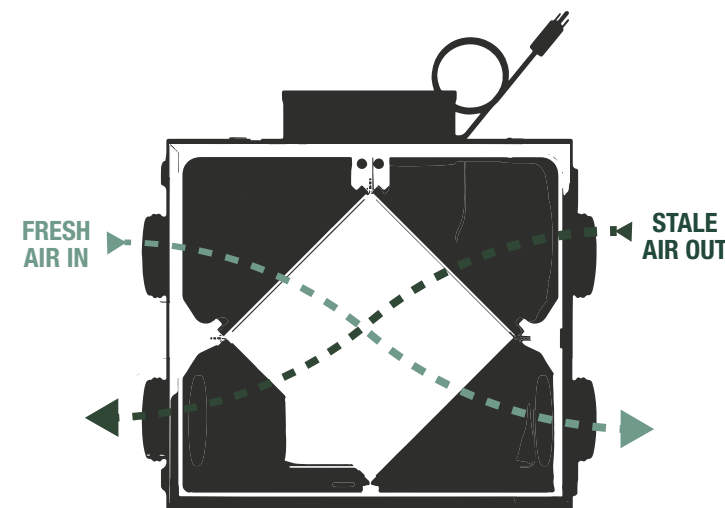
The energy recovery core transfers both heat and moisture from the outgoing exhaust air to the incoming fresh air reducing the energy required to condition it. In summer time, the appliance removes humidity from the fresh air and in the winter time, it heats it while retaining humidity to keep the living area comfortable year-round.



- Compact design, only 10" (254 mm) installed depth
- No drain required
- Easy to install on ceiling or wall with mounting bracket included
- Energy recovery core (washable)
- Electrostatic filters (washable)
- Multiple speed operation
- Lightweight design
- Removable screw terminal for easy connection with external access
- MERV 3 Filters

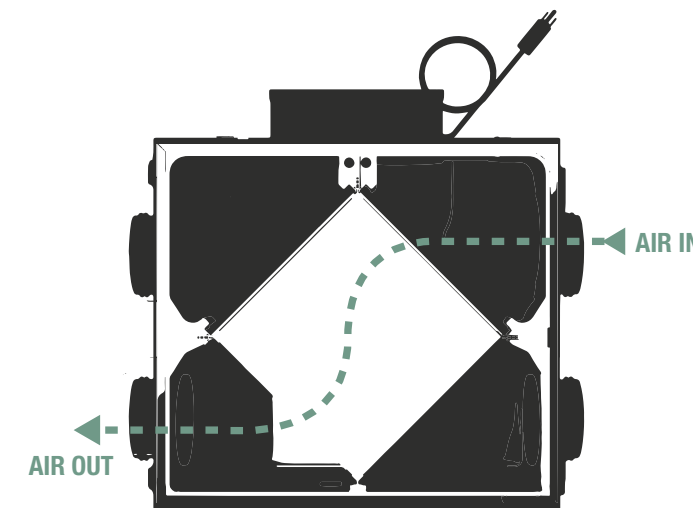


Multi-Family Home



## Cross-flow Core

- Up to 77% energy transfer
- Transfer heat and moisture from incoming air to outgoing air



## Supply Fan Shutdown Defrost

- Simple and robust frost prevention system
- Integrated O/A motorized prevention damper (P1.2E-D & P1.2E-D-EC only)



## Recommended Control\* EHC 2.0, Multi-Function

This control activates the system on 3 possible modes of operation:

- ECONO Continuous operation in ventilation mode at low or medium speed.
- 20 MIN/H 20 minutes ON, 40 minutes OFF Intermittent
- CONT Continuous high speed in ventilation or recirculation mode.
- OFF Standby mode, both fans off

\*Profile is compatible with all controls

## WHAT SETS PROFILE APART?



Cross-flow Core



Low Profile



Side Ported


# HS 3.0

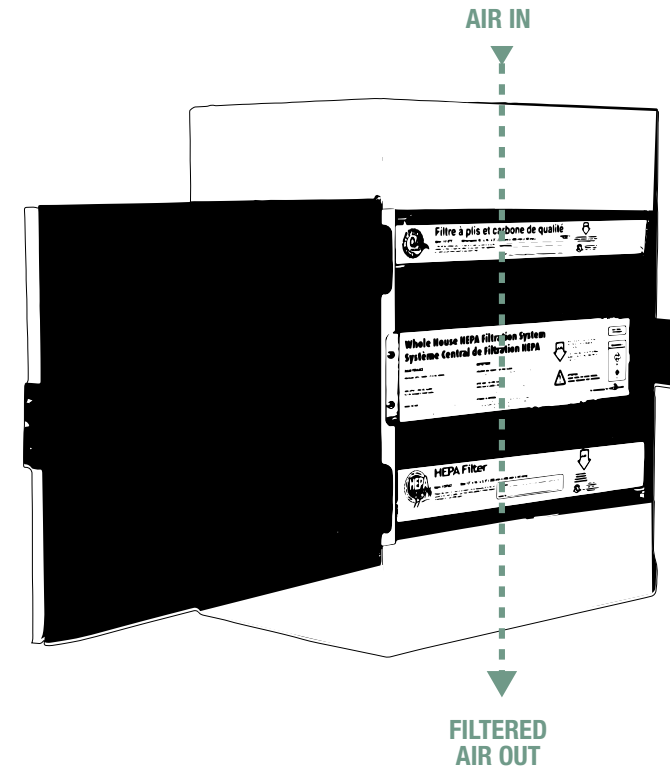
Oftentimes, the biggest culprit behind poor indoor air quality is what we can't even see or detect. Did you know that the air you breathe in your home can be up to 70% more polluted than outdoor air? From cooking to pet dander, everyday activities and items can compromise the quality of your home's air—and, ultimately, your health.

The **HS 3.0** has a three stage filtration system: MERV8, Carbon and HEPA. This filtration system is designed to clean and filter the air in a 2000 square foot space every hour. Filter replacement is quick and simple.



- 3-stage filtration: MERV8, pre-filter with carbon, HEPA filter
- Captures 99.97% of particles 0.3 microns and larger
- Two speed operation (208 or 282 cfm)
- No adverse effect on your forced-air system
- Fully insulated cabinet
- Recommended for spaces of up to 2000 sq.ft.

-  Single Family Home
-  Multi-Family Home



## Technical Specifications

Voltage / Phase (V/~)	120 / 1
Rated power (W)	180
Max current (A)	1.23
Height (in (mm))	22 (557)
Depth (in (mm))	12 (307)
Width (in (mm))	16 (406)
Shipping weight (lbs (Kg))	33.1 (15)



## Filters

### Carbon Filter


- The carbon filter will capture household odors like cooking oil and smoke.


### HEPA Filter

- The filter will collect up to 99.97% of particles as small as 0.3 microns in size such as carbon dust, bacteria, legionella, combustion smoke, milled flour, welding fumes, pollen, bacteria, pet dander, and mold spores.

## WHAT SETS **HS 3.0** APART?

 3 Filter Layers

 2000 sq. ft. Coverage in 1 hour (8' ceiling)

 Two Speed Operation

## SOLACE®

HEAT RECOVERY MODELS	1.2H	1.5H	2.0H	1.5H-EC	2.5H-EC
Airflow range (cfm @ 0.4" P <sub>s</sub> )	53 - 112	36 - 150	76 - 203	28 - 172	31 - 252
Voltage / Phase (V/~)	120/1	120/1	120/1	120/1	120/1
Duct connection size (in (mm))	5 (127)	6 (152)	6 (152)	6 (152)	6 (152)
Consumed Power: High/Low (W)	165/69	180/59	210/98	110/23	260/34
Max sensible recovery efficiency	81	81	80	84	82
Max current (A)	1.2	1.4	2.0	3.0	6.4
Defrost cycle	Recirculation	Recirculation	Recirculation	Recirculation	Recirculation
Height (in (mm))	24 1/4 (616)	24 7/8 (626)	24 7/8 (626)	24 7/8 (626)	24 7/8 (626)
Depth (in (mm))	11 1/2 (291)	13 3/8 (341)	15 3/8 (391)	13 3/8 (341)	15 3/8 (391)
Width (in (mm))	23 1/4 (591)	27 7/8 (707)	27 7/8 (707)	27 7/8 (707)	27 7/8 (707)
Shipping weight (lbs (Kg))	41 (19)	51 (23)	59 (26)	51 (23)	57 (26)

## PREMIER

HEAT & ENERGY RECOVERY MODELS	0.7H	1.5H	1.5E	2.0H	2.0E
Airflow range (cfm @ 0.4" P <sub>s</sub> )	27 - 57	35 - 150	35 - 161	35 - 191	35 - 201
Voltage / Phase (V/~)	120/1	120/1	120/1	120/1	120/1
Duct connection size (in (mm))	4 (100)	6 (152)	6 (152)	6 (152)	6 (152)
Consumed Power: High/Low (W)	48/42	168/54	168/52	168/52	168/52
Max sensible recovery efficiency	63	74	75	75	75
Max current (A)	0.4	1.4	1.4	1.4	1.4
Defrost cycle	Fan Shutdown	Fan Shutdown	Fan Shutdown	Fan Shutdown	Fan Shutdown
Height (in (mm))	17 1/8 (435)	21 7/16 (546)	21 7/16 (546)	21 7/16 (546)	21 7/16 (546)
Depth (in (mm))	10 1/4 (261)	11 11/16 (297)	11 11/16 (297)	11 11/16 (297)	16 5/8 (423)
Width (in (mm))	21 1/2 (546)	23 7/8 (606)	23 7/8 (606)	23 7/8 (606)	23 7/8 (606)
Shipping weight (lbs (Kg))	26 (12)	47 (21)	51 (23)	51 (23)	62 (28)

## PROFILE

ENERGY RECOVERY MODELS	0.7E	1.2E	1.2E-D	1.2E-D-EC
Airflow range (cfm @ 0.4" P <sub>s</sub> )	35 - 70	40 - 127	40 - 127	40 - 129
Voltage / Phase (V/~)	120/1	120/1	120/1	120/1
Duct connection size (in (mm))	4 (102)	5 (127)	5 (127)	5 (127)
Consumed Power: High/Low (W)	58/40	104/55	104/55	74/23
Max sensible recovery efficiency (%)	70	74	74	77
Max current (A)	0.6	1.4	1.4	2.3
Defrost cycle	Fan Shutdown	Fan Shutdown	Fan Shutdown <sup>1</sup>	Fan Shutdown <sup>1</sup>
Height (in (mm))	19 5/8 (498)	23 5/32 (588)	23 5/32 (588)	23 5/32 (588)
Depth (in (mm))	10 3/8 (264)	10 (254)	10 (254)	10 (254)
Width (in (mm))	21 1/2 (546)	24 5/8 (625)	25 1/16 (636)	25 1/16 (636)
Shipping weight (lbs (Kg))	29 (13)	34 (15)	35 (16)	35 (16)

<sup>1</sup> Integrated O/A motorized damper

### Controls



“Ventilation is the profound secret of existence.”

- Peter Sloterdijk, German philosopher and cultural theorist

To meet the demands for energy conservation, we have built our homes to keep fresh air out. As we increase our home's efficiency, we also become more efficient at trapping contaminants. That means the air inside our homes — the air we breathe every day — is likely to be more polluted than the air outdoors. Up to 50 times more.

The most harmful contaminants in our homes are airborne particulates that are invisible to the naked eye. Particulate matter less than 10 micron in size, including fine particles less than 2.5 micron, penetrate deep into the lungs, causing serious health problems.

Evidence from community studies links particulate exposure to premature death, increased hospitalization, school absence, and lost work days due to respiratory and cardiovascular diseases like asthma. People most at risk are children, the elderly, and people with chronic respiratory problems.

Keep families safe and healthy by installing one of our Fresh Air Appliances. They are experts at taking air full of unwanted impurities out and bringing fresh air in.

**Think Green.  
Think Greentek.**







# Greenetek®



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