

Imperial

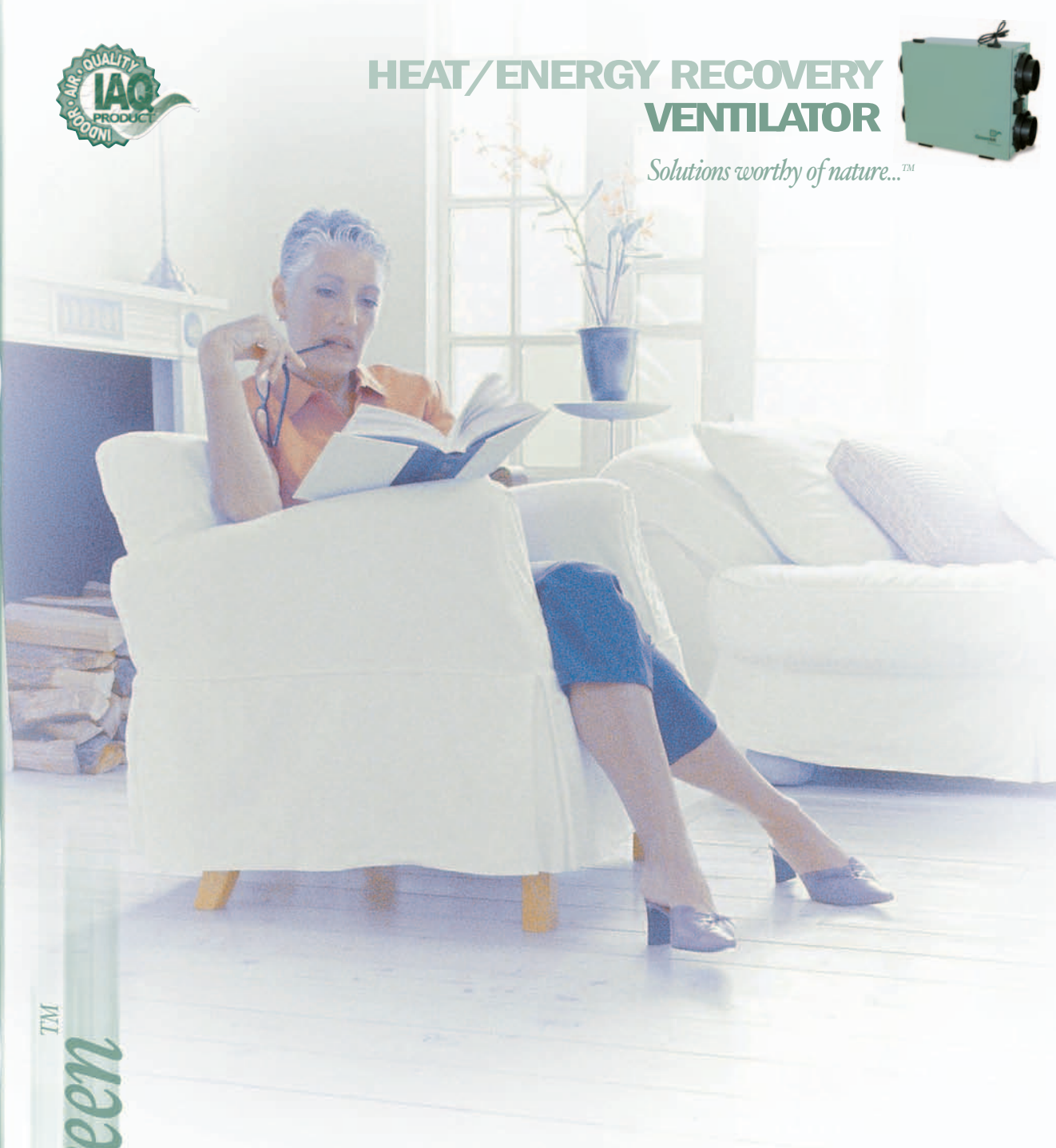
REDEFINING INDOOR AIR QUALITY



HEAT/ENERGY RECOVERY VENTILATOR



Solutions worthy of nature...™



Greenentek

Think Green™



Greenentek

Think Green™

Greentek
Think Green™



CONTROL YOUR

Heat or energy recovery ventilation systems HRV/ERV

Following the energy crisis of the 1970s, we tended to insulate our homes and make them airtight. The result? Our homes are more economical to heat because heat losses and infiltrations are reduced to a minimum. The consequence? Everything produced inside the home remains inside and accumulates. Resulting in the deterioration of air quality.

More and more illnesses are associated with poor air quality. We have only to think of the growing number of asthma and allergy cases. The air we breathe is contaminated by all types of gases, dust, viruses and bacteria. In addition, we consume oxygen and produce gases and humidity, while not renewing the oxygen consumed.

Create a healthier indoor environment



Types of Pollutants indoor air quality

The following is a list of pollutants you can find in most homes or in your vicinity.

Solvents

- Households cleaning materials
- Paint
- Glue
- Cosmetics

Particles

- Rugs
- Linen
- Furniture
- Insulation
- Animals

Vapors

- Fog
- Cigarettes

Combustion

- Propane fireplaces
- Gas stoves
- Candles
- Wood space heater

Humidity

- Bathroom
- Kitchen
- Laundry room
- Aquarium
- Flowers, plants
- Basement
- Humans

Ventilation Solution

What system do you need? First, evaluate your problem, identify your heating system, and select one of the air quality systems offered by "Imperial Air Technologies Inc.". Installed by a ventilation specialist, any Greentek™ system will improve your comfort and air

quality, while offering the peace of mind you and your family deserve.

If the ventilation solution proves to be the best way to solve these problems, we have the product you require.

Heat or Energy Recovery Ventilators (HRV or ERV)

Heat or energy recovery has become essential today, given constantly rising costs and public awareness of our non-renewable resources. Heat or energy recovery systems have been designed to recover the heat or energy contained in exhaust air.

Thanks to a balanced air-flow exchange system, the heat or energy from contaminated exhaust air passes through the recovery core, and fresh air enters through other cells absorbing that heat or energy without mixing with the exhaust air. So you benefit from healthy fresh air while you save on heating or air conditioning costs. A selection of models and controls is offered to suit your needs.

How can you know whether you need a heat or an energy recovery system?

If you use a heating system more often than air conditioning, you need an HRV. If the opposite is the case, an ERV is recommended.

HRV: Contaminated exhaust air and fresh outside air pass through the heat recovery core in separate passages that prevent air contamination or mixture.

The fresh outside air then absorbs the heat and warms up, and is distributed at a more comfortable temperature to the various rooms by the ventilation system.

ERV: It transfers latent energy (humidity) from the most humid air current to the driest, while transferring heat. So in winter, the outside air will absorb the exhaust air's humidity, and in summer the reverse.

INDOOR AIR QUALITY

*Solutions worthy
of nature...™*



RD-4P model™
DEHUMIDISTAT PROFESSIONAL

Features

- Dehumidistat to select the humidity level
- Speed Control (Off, Normal and Reduced)
- Mode Control (Intermittent and Continuous Ventilation)
- Cycles per hour (0/0, 20/40 and 30/30)
- Light On Override
- Maintenance Light Reminder

RD-4D model™
DEHUMIDISTAT DELUXE

Feature

- Dehumidistat to select the humidity level
- Speed Control (Off, Normal and Reduced)
- Mode Control (Intermittent, Recirculation and Continuous Ventilation)
- Cycles per hour (0/0, 20/40 and 30/30)
- Light On Override
- Maintenance Light Reminder



T3 model™
PUSH-BUTTON TIMER

Feature

- 20 /40 /60 Minutes exchange

High humidity level?

Your home needs a certain humidity level to be comfortable.

The "GreenThinker model™" is equipped with low voltage connections to ensure better control even in a high humidity environment.



Light indicator

When should you do maintenance on your ventilation system?

Some of the "GreenThinker models™" come with a light indicator to remind you when you should check your HRV/ERV.



Quality Accessories

For optimal performance of your HRV/ERV system.



Quality Air Exhaust and Supply Accessories

Selection

- Exhaust and distribution grid
- Supply vents with double collar
- Exhaust vents with double collar
- Reduced-space shoulders

Flexible Air Ducts

(AVAILABLE IN 4", 5", 6" AND 8")

Selection

- Insulated vinyl
- Aluminum foil*
- Polyester covered by insulation and a polyethylene vapor barrier*
- Miscellaneous accessories
- Telescopic pipe

*UL and ULC approved class 1 air connection

Optional Filters

Selection

- Pleated filters
- Carbon filters

Greentek™ Accessories



Using the appropriate accessories, your system will be simple to install and its performance will be optimal.

Choose from the complete range of ventilation accessories and products by "Imperial Air Technologies Inc".



Ask for a brochure on other Greentek™ Indoor Air Quality Products at a distributor near you.

INDOOR AIR QUALITY

Heat or energy recovery ventilation systems □ HRV/ERV □

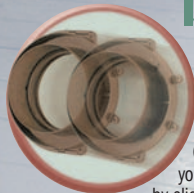
HRV/ERV Systems

Horizontal series □ AH □



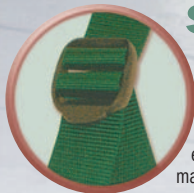
German Engineered motors

All Greentek™ products are designed with high-performance and reliable motors for your comfort and peace of mind. Factory sealed and dynamically balanced, our motors are maintenance-free for years to come.



ISF™ 6" (dia.) collar system (Patent Pending)

Quick and simple to install thanks to our revolutionary "Insert Slide and Fix™" collar system. The "ISF™ 6" (dia.) collar system by Greentek™ enables you to manipulate duct within your reach and then insert the collar to the HRV/ERV by sliding it in place, for a better and quicker installation.



SPM™ attachment system

The entire line of Greentek™ HRV/ERV products is designed for installation by a single person. "Single Person Mounting™" will enable you to save time and effort by offering you a variable attachment system and maximizing your basement space.



DuoTrol™ balancing system (Patent Pending)

Silent and economical... By reducing motor speed to balance the unit, you avoid the noise that would be produced by balancing dampers. In addition, with this technology the unit will consume less energy.



model P™ PROFESSIONAL (7.15 AND 10.22)

Features

- 2 operating modes (Intermittent and Continuous Ventilation)
- Variable speed
- ISF™ 6" (dia.) collar system
- Proportional defrost (Patent Pending)
- 10-year limited warranty* on ventilation motors
- Lifetime limited warranty on the heat recovery core
- 5-year limited warranty on the enthalpic core
- 5-year limited warranty on all other components



model S™ STATIC (0.8 AND 0.12)

Features

- Model with optional motorized dampers (model SHM™)
- Dehumidistat included (model SHM™)
- ISF™ 6" (dia.) collar system
- No motor. Unit must be installed on forced air system
- Lifetime limited warranty on the heat recovery core
- 5-year limited warranty on all other components

Why our system is the best ?

Features

- Selection of controls
- Selection of filters and accessories
- Compact installation
- "DuoTrol™" balancing system (patent pending)
- Sloped drain pan
- "Push Through" design
- Backward inclined motor blades
- Permanent lubrication of PSC motors
- Door opens upward
- No obstruction around the drain pan
- Simple electronic control
- Auxiliary connecting relays
- 10-year limited warranty on the ventilation motors
- Lifetime warranty on the heat recovery module
- Easy access to the control connection box
- "ISF™ 6" (dia.) collar system (patent pending)
- "SPM™" attachment system

*5-year limited warranty on the enthalpic core

Benefits

- Operating flexibility
- Better air quality
- Maximizes your space
- Silent and economical
- Eliminates bacteria-producing stagnant water
- Silent
- Better performance
- Maintenance-free
- Easy access
- Easy to clean
- Easy to operate
- No relay necessary
- Reliable and trouble-free
- Peace of mind
- Eliminates risks of error
- Quick and simple to install
- Variable settings

Greentek™

Greentek™



LITY AT ITS BEST

*Technology and Know-how
makes it clean & simple...™*



model **TPH™**
TOP COLLAR (7.15)

Features

- 2 operating modes (Intermittent and Continuous Ventilation)
- Variable speed
- Proportional defrost (Patent Pending)
- 10-year limited warranty* on ventilation motors
- Lifetime limited warranty on the heat recovery core
- 5-year limited warranty on the enthalpic core
- 5-year limited warranty on all other components



model **D™**
DELUXE (7.15 AND 10.22)

Features

- 3 operating modes (Intermittent, Continuous Ventilation and Recirculation)
- Variable speed
- ISF™ 6" (dia.) collar system
- Equipped with a 5" ISF™ 6" (dia.) collar for recirculation
- Proportional defrost (Patent Pending)
- 10-year limited warranty* on ventilation motors
- Lifetime limited warranty on the heat recovery core
- 5-year limited warranty on the enthalpic core
- 5-year limited warranty on all other components



Proportional Defrost operation system

On Defrost Mode, the motor speed is proportional with the outside temperature. At -5°C, the Defrost Mode will function at low speed and the more the temperature drops, the speed will increase to offer a silent operation.



Sloped Drain Pan drainage system

Greentek™ HRV/ERV units are equipped with an easy-access sloped drain pan, so that excess condensation that might accumulate inside the unit goes to the centre of the drain pan to be evacuated.



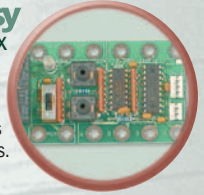
FMA™ maintenance system

In order to improve air quality and offer the best possible air quality in your home, Greentek™ has developed one of the first maintenance service systems in the industry. The "Filter Maintenance Adviser™" will remind you by e-mail when the filter of your HRV/ERV system must be replaced, to maximize its performance and efficiency.



Quick and easy connection box

Greentek™ HRV/ERV units are built to reduce installation time. Installation is made simple with our easy access connection box which will eliminate errors.



Technical Information and Specifications

Specifications	PH* 7.15	PH* 10.22	SH** 0.8	SH** 0.12
Size	23 7/8" x 21 1/2" x 11 3/8"	23 7/8" x 21 1/2" x 16 1/2"	23 7/8" x 21 1/2" x 11 3/8"	23 7/8" x 21 1/2" x 16 1/2"
Heat exchanger (L x H x W)	12" x 12" x 10"	12" x 12" x 15"	12" x 12" x 10"	12" x 12" x 15"
CFM	30 to 160	50 to 220	80**	120**
Type of heat exchanger	Cross-Flow	Cross-Flow	Cross-Flow	Cross-Flow
Exchange surface	104 ft²	150 ft²	42ft²	64ft²
Power consumption	130 W	150 W	N/A	N/A
Defrost type	Evacuation	Evacuation	N/A	N/A
Certification	HVI, cCSA _{US}	HVI, cCSA _{US}	N/A	N/A

*Available with an enthalpic core (PE Series)

Specifications	TPH* 7.15	DH* 7.15	DH* 10.22
Size	23 7/8" x 21 1/2" x 11 3/8"	31 3/4" x 21 1/2" x 11 3/8"	31 3/4" x 21 1/2" x 16 1/2"
Heat exchanger (L x H x W)	12" x 12" x 10"	12" x 12" x 10"	12" x 12" x 15"
CFM	30 to 160	30 to 160	50 to 220
Type of heat exchanger	Cross-Flow	Cross-Flow	Cross-Flow
Exchange surface	104 ft²	104 ft²	150 ft²
Power consumption	130 W	130 W	150 W
Defrost type	Evacuation	Recirculation	Recirculation
Certification	HVI, cCSA _{US}	HVI, cCSA _{US}	HVI, cCSA _{US}

*Available with an enthalpic core (TPE and DE Series)

**Depending on the static pressure of the forced air system.

Greentek™ Peace of Mind

All Greentek™ products are backed by the best limited warranty in the industry, for your peace of mind.



You benefit from a lifetime warranty on the core, a 10-year warranty on our ventilation motors, a 5-year warranty on the enthalpic core, and a 5-year warranty on all other components. So you can breathe easy.



Greentek

Think Green™

All Greentek™ products are backed by the best limited warranty on the market.

Imperial Air Technologies Inc. reserves the right to modify a product, without prior notice, whether in design, colour or specifications, in order to offer at all times a quality product that is highly competitive.

Please consult local authorities to find out whether the installation of electrical products requires the services of a certified technician or electrician.



Greentek
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CONTROL YOUR

Heat or energy recovery ventilation systems HRV / ERV

Range of controls

GreenThinker model™



Range of controls

The entire range of "GreenThinker model™" controls is offered with features making your ventilation system simple, easy to operate and backed by a 5-year limited warranty.



Easy to use

All our "GreenThinker model™" controls have sliding switches, making the unit easy to use. The features for the various applications of the Greentek™ ventilation system are simple to view and operate.



Decorative element

The attractive "GreenThinker model™" is design to complement any decor or indoor environment.



RD-1 model™ DEHUMIDISTAT

Features

- Dehumidistat to select the humidity level

RD-2 model™ DEHUMIDISTAT

Features

- Dehumidistat to select the humidity level
- Speed Control (Off, Normal and Reduced)
- Light On Override

RD-3P model™ DEHUMIDISTAT PROFESSIONAL

Features

- Dehumidistat to select the humidity level
- Speed Control (Off, Normal and Reduced)
- Mode Control (Intermittent and Continuous Ventilation)
- Light On Override

RD-3D model™ DEHUMIDISTAT DELUXE

Features

- Dehumidistat to select the humidity level
- Speed Control (Off, Normal and Reduced)
- Mode Control (Intermittent, Recirculation and Continuous Ventilation)
- Light On Override

Customer Service

In addition to technical support, free of charge...



Peace of Mind

Ensure your comfort in the years to come by using Greentek™ systems and accessories to install any ventilation, humidification, purification or filtration product.

Need help? You benefit from certified customer service ready to guide you in the installation or operation of your Greentek™ system.



Our team is certified and ready to assist you

For expert advice,

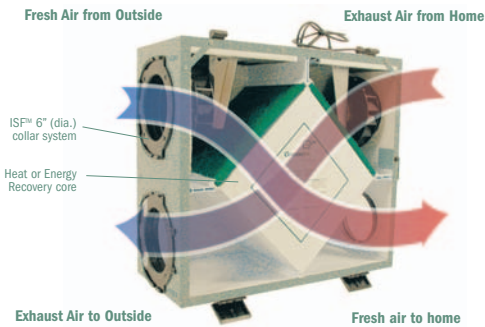
talk to Mario!



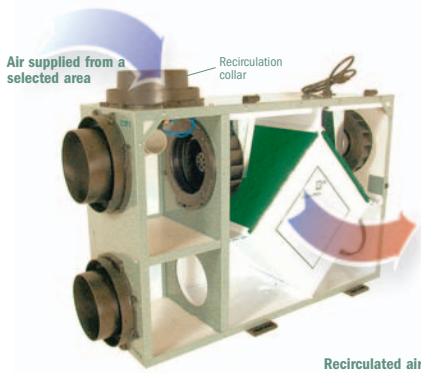
INDOOR AIR QUALITY

Silent operation for better home comfort...™

HRV/ERV system MODELS P, T AND S



HRV/ERV system with recirculation mode MODEL D ONLY



Push Through operation system



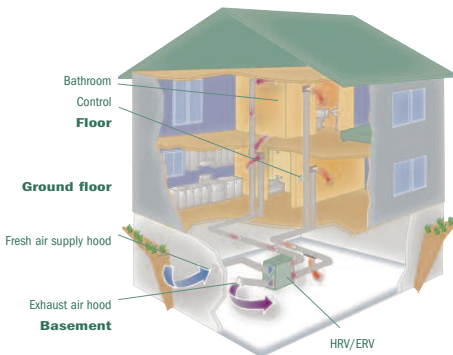
The illustrations show the operation of a Greentek™ system. Outside air is pushed through the heat exchanger, which acts as a sound attenuator. This process is very silent and provides you with better home comfort.

The recirculation mode takes already-heated ambient air from a selected area, recirculates it through the unit's filters, and distributes throughout your home. This option enables the unit to have an auxiliary air supply during the system's defrost period in winter, and offers you better air quality without unpleasant odors.

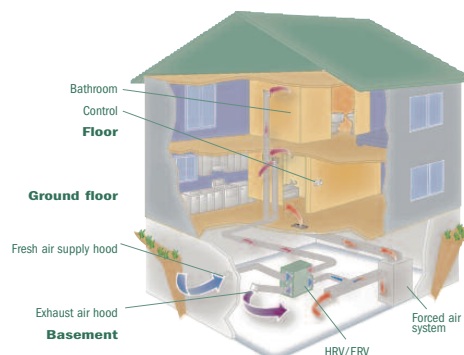
System Installation

(example only)

Independent system FIGURE 1



Exhaust at the source with forced air system FIGURE 2



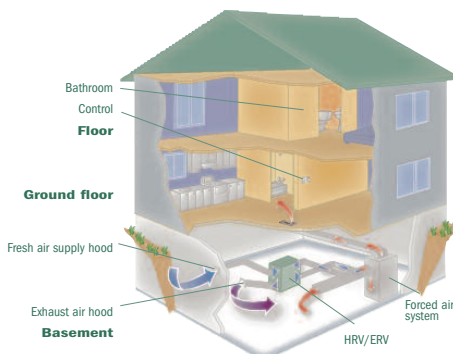
Installation Greentek™ system



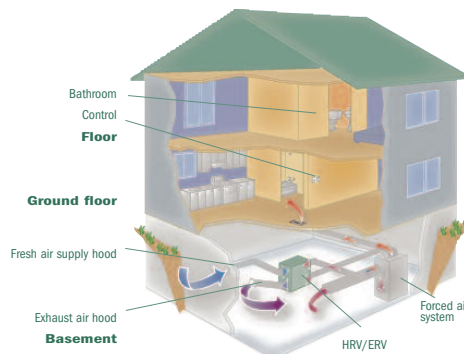
The following illustrations show different ways of installing a Greentek™ system, depending on your needs.

Before proceeding to the installation of any ventilation system, please obtain information on applicable codes in your area.

Exhaust and supply in the return FIGURE 3



Exhaust from return and supply in supply FIGURE 4



Color Legend airflow

- Fresh air
- Heated air
- Exhaust air



*Protect the natural world from
harmful activities of humans*

About Us

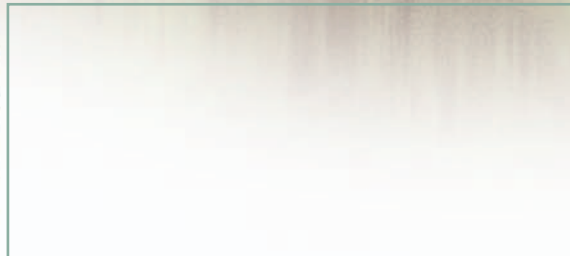
Imperial Air Technologies Inc. is the only manufacturer that offers you a complete range of products designed to improve indoor air quality, and that provides a wide selection of accessories to facilitate installation.



Our vision - To offer a complete range of Greentek™ products that satisfy environmental concerns.

Whether your needs involve ventilation, purification, humidification or filtration, Greentek™ has the customized solution for you, with its range of quality products backed by the best warranty in the industry.

You can find Greentek™ indoor air quality products at the following distributor:



Imperial Air Technologies Inc.
500 Ferdinand Blvd.
Dieppe, NB Canada
E1A 6B9

Toll free: 1 888 724-5211
Fax: 1 (506) 388-4633
Visit us at: www.greentek.ca



We choose to use recyclable and non-toxic materials when ever possible

Patent Pending Technologies engineered exclusively to Greentek™ Indoor Air Quality Products.

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