VENMAR®

Complete story

Make your environment healthier.

2 pages
At-a-glance
product comparisons

Installation made easy

CENTRAL AIR EXCHANGE
Why it's easy and effective

Humidity issues,
HEPA filters
...and more inside!

VENMAR TACKLES EXCESS HUMIDITY HEAD-ON

VENMAR®
A REVOLUTIONARY CONCEPT

More than thirty years ago, poor indoor air quality prompted the engineers at Venmar to tackle the problem of modern, airtight homes. They came up with a revolutionary concept. They called it the air exchanger, a name which has since become synonymous with efficient, healthy and whole-house ventilation.

Soon after they moved in, Tom and Lydia's dream home turned into a nightmare of condensation-covered windows and sleeping problems.

AFTER HAVING COMPLETED a great deal of insulation work, Tom and Lydia quickly noticed problems with moisture and condensation on the windows of their home.

Just like Tom and Lydia, many people experience problems with moisture after insulation projects, the installation of new doors and windows or acquiring a new house. In fact, because today's houses are too well insulated, they do not properly aerate, consequently trapping pollutants and moisture inside.

When foul air and excessive moisture remain trapped inside, they cause condensation on windows, unpleasant odours and the formation of mould, which can damage your home's structure.

That's why Tom and Lydia chose a global solution and installed a Venmar air exchanger. In addition to eliminating excess moisture, the air exchanger refreshes the air in every room.

Choose Venmar and breathe easy.

Adequate ventilation, good air circulation and maintaining adequate heat throughout your home are important and effective methods to help prevent moisture problems.

Source: Canada Mortgage and Housing Corporation (CMHC)

VENMAR HELPS MAKE BREATHING EASIER

Venmar air exchangers use a central system, which means that the air in a house can be completely replaced several times per day. Now people with respiratory problems and allergies can feel the benefits of breathing fresh air indoors, all year round.

KELLY, JESSICA AND STEVE'S YOUNGEST DAUGHTER, has had asthma problems since birth.

Just like them, more than 20% of Canadian families have a family member who suffers from respiratory problems or allergies.

Continuous exposure to contaminants and allergens, like dust, dust mites, hair and pet dander, and cigarette smoke can cause a variety of symptoms such as headaches, chronic fatigue and eye, nose or throat irritation. It can also aggravate asthma, allergies and other respiratory problems.

Rather than buying a portable air purifier, Kelly's parents chose a more complete global solution. An air exchanger with HEPA filtration enables them to control the quality of the air in every room in the house by filtering and adding fresh air.

Choose the global solution.
Choose Venmar.

The rate of asthma has increased by 160% over the last fifteen years.

Source: www.aerias.org

HOW CENTRAL AIR EXCHANGE WORKS

The air in your home will be completely replaced by bringing in fresh air from outside and removing pollutants and stale air from inside, all the while filtering, purifying and reducing excess humidity.

EVEN LEAVING THE WINDOWS OPEN in summer isn't that effective. But there's more to an air exchanger than simply changing the air. It reduces excess humidity by expelling moisture-filled air outdoors several times a day. This can help eliminate mould and bacteria-friendly environments, make unpleasant odours disappear and protect buildings from humidity-related damage.

HEPA Filtration

High Efficiency Particulate Air

THE BEST WAY TO ACHIEVE optimal air quality in your home is to use HEPA filtration* with antimicrobial protection, combined with air exchange. Together, they create the ultimate system for people who want a clean and healthy environment. HEPA filters capture 99.97% of all dust and particles as small as 0.3 micron (1 human hair = 150 microns). They can help reduce allergy symptoms, asthma, recurring colds and persistent coughs. In fact, HEPA filters are so effective, they're used in hospital operating rooms.

* Included with HEPA 3100, optional with HRV 2600

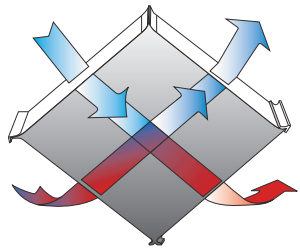
HEPA Filter with ANTIMICROBIAL PROTECTION

Heat Recovery

Ideal for Colder Climates

CERTAIN VENMAR AIR EXCHANGERS feature a heat recovery system.* As warm air is expelled from your house, it warms the incoming cold, fresh air before it's circulated throughout your home. The result is a constant supply of fresh air, no unpleasant drafts and greater home comfort.

*Included with HVR 2600 and HEPA 3100



Heat Recovery Core

Venmar units now come with an automatic and programmable electronic wall control so you can optimize your energy consumption while keeping your home's air fresher than ever.
(Included with HVR 2600 and HEPA 3100).

What are the primary sources of indoor air pollution?

Window condensation, Mould

Cigarette smoke

Dust, Allergens

Pet hair and dander

Chemical pollutants

Cooking pollutants

CHOOSING THE RIGHT AIR EXCHANGER

EA 1500

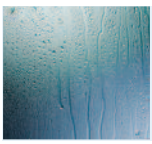
IDEAL FOR SMALLER SPACES

AIR EXCHANGE

Expels polluted indoor air and continually exchanges it with fresh outdoor air to improve Indoor Air Quality.

✓

EXCESS HUMIDITY CONTROL



Expels excess humidity and reduces the risk of window condensation, which prevents damage to and deterioration of your home.

✓

RECIRCULATION

Features a recirculation setting, which allows you to filter your indoor air 24 hours a day and attain a consistent temperature throughout your whole home.

✓

SMART TEMP

When extreme outdoor temperatures occur, the Smart Temp mechanism automatically sets the time of air exchange in order to ensure the most comfortable indoor environment.

✓

HEAT RECOVERY

Constant supply of fresh, warm air, no unpleasant drafts and greater home comfort.

HEPA FILTRATION

- Captures 99.97% of all dust and particles, even those as small as 0.3 micron (1 human hair = 150 microns)
- Can help reduce allergy symptoms, asthma, recurring colds and persistent coughs
- Venmar holds an establishment license for Class 1 Medical Devices (No. 1409)

WALL CONTROL

HRV 2600

IDEAL FOR HUMIDITY PROBLEMS & ODOURS

HEPA 3100

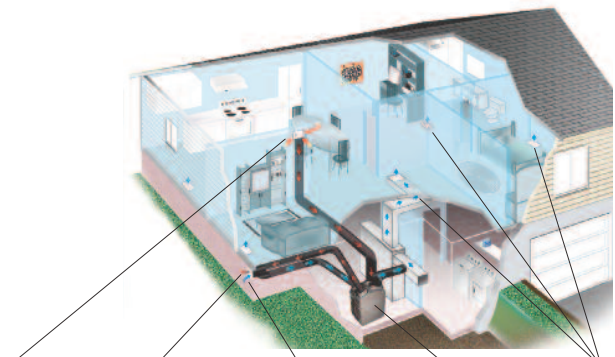
IDEAL FOR RESPIRATORY PROBLEMS & ALLERGIES

HRV 2600	HEPA 3100
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
	✓

INSTALLATION IS A BREEZE!

If your house has a forced-air system, you're all set for central air exchange! HRV 2600 and HEPA 3100 units are designed to be compatible with any forced-air system. Installation is quick, easy and safe. For houses without forced-air systems, the air exchanger can be installed in the attic or basement, depending on the model.

HEPA 3100 Installation



Note: Unit can also be installed independently.

Fast and safe installation

Two easy installation options:

1 Professional Installation

Our installation specialists have been trained by Venmar and are recognized for their **expertise** with Venmar Whole-House Air Exchangers.

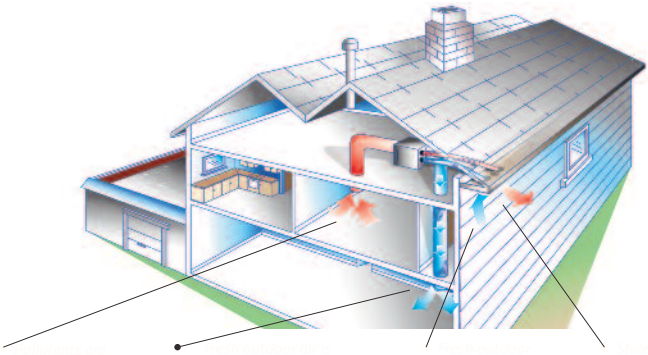
When your unit is installed by a Venmar-recommended installer, you benefit from an exclusive **2-year warranty including home service.**

For more information, ask your retailer or call **1-800-567-3855** to speak with one of our specialists and learn more about Venmar products and installation procedures.

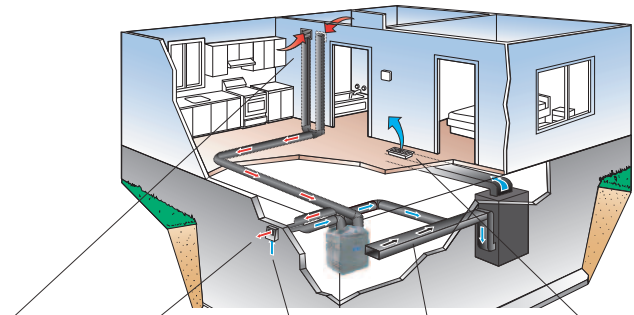
VENMAR RIS RECOMMENDED INSTALLATION SERVICE

You may also visit our website at **www.venmar.ca**

EA 1500 Installation



HVR 2600 Installation



Pollutants are drawn in.

Stale, polluted air is expelled.

Fresh outdoor air enters.

Fresh outdoor air enters your forced-air system

Fresh outdoor air is distributed throughout your home.

Note: Unit can also be installed independently
Requires the services of a professional installer.
Additional parts required – sold separately.

2 Do-it-yourself kit

Installation kits (sold separately)

Easy-to-use kits contain all the components you need to install a Venmar unit.

Installation kit shown is for EA 1500 and HRV 2600

Easy-to-access unit oval ports*

Can be easily disassembled and wall to you to install ducts within arm's reach.

** HRV 2600 and HEPA 3100 only*

Requires a single hole in the exterior wall

This exclusive Venmar fixture makes installing your air exchanger fast and easy and only requires a single hole in your exterior wall.

Note: Does not apply to attic installation

TECHNICAL SPECIFICATIONS

	EA 1500	HRV 2600	HEPA 3100
TYPICAL VENTILATION AREA	2,000 sq. ft.*	3,000 sq. ft.*	3,000 sq. ft.*
RATE OF AIR FLOW (fresh air) cfm** (l/s)***	30-55 cfm (14-26 l/s)	50-104 cfm (24-49 l/s)	70-105 cfm (33-50 l/s)
TOTAL AIR FLOW cfm** (l/s)***	185 (87 l/s)	104 (49 l/s)	270 (128 l/s)
FILTER	Mesh	Foam	HEPA
DIAMETER OF AIR EXHAUST OUTLETS AND FRESH AIR VENTS	4 or 5 in. (100 or 125 mm)	5 or 6 in. (125 or 150 mm)	5 or 6 in. (125 or 150 mm)
DIAMETER OF INDOOR AIR PORTS	6 in. (150 mm)	5 or 6 in. (125 or 150 mm)	8 in. (200 mm)
VOLTAGE	120 V	120 V	120 V
POWER	140 W	192 W	232 W
DIMENSIONS: HEIGHT WIDTH DEPTH	12.25 in.(310 mm) 23 in.(584 mm) 15 in.(380 mm)	30.2 in.(767 mm) 22.9 in.(582 mm) 17.8 in.(452 mm)	29.4 in.(748 mm) 22.9 in.(582 mm) 17.8 in.(452 mm)
WEIGHT (approx.)	40 lbs (18 kg)	41 lbs (18.7 kg)	40 lbs (18 kg)
INSTALLATION KIT (sold separately) **ATTIC INSTALLATION KIT** (sold separately)	#15273 #EA20130	#15273 N/A	#13932 N/A
WALL CONTROL (included)	C34	40415 automatic and programmable	40415 automatic and programmable
HVI CERTIFIED (Home Ventilating Institute)	No	Yes	Yes

*Important notice: for new constructions, please refer to your local building code
**Cubic feet per minute
***Litres per second

VENMAR 2-year WARRANTY

For more than 25 years, Venmar Ventilation has been one of North America's leading manufacturers of innovative Indoor Air Quality products for commercial and residential applications. Today, with over one million homeowners among its customers, Venmar continues to manufacture a full range of products. From kitchen range hoods and attic ventilators to filtration and ventilation systems, all of our products are recognized as the industry standard for quality, styling, reliability, and an optimally healthy indoor air environment.

AUTHORIZED RETAILER

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