

VENMAR AVS INTRODUCES ITS **NEW CR12 HRV AND CR12 ERV**



CREATED TO RESPOND
TO THE BUILDER'S NEEDS


VENMAR[®]
AVS
THE PROFESSIONALS' CHOICE

NEW BUILDING CODE SOLUTIONS

In the early 90s, the Canadian building code introduced the requirement for continuous mechanical ventilation. In continuous improvement, Ontario came with specific energy efficiency requirements according to the Supplementary Standard SB-12 and the new Part 12.

The new 2017 Ontario Building Code (OBC) is a new opportunity to fine-tune your HRV and ERV selections, and Venmar has the solution to help you meet the new requirements.

UNDERSTANDING THE CODE CHANGE

The new code change offers clarifications and emphasis on "Performance Path" and "Other Acceptable Compliance Methods." If the Prescriptive Path is chosen, the new 2017 Ontario SB-12 Supplementary Standard for Energy Efficiency for Part 9 dwellings has specific prescriptive packages that are being used to design the energy efficiency elements. Ontario is split in two zones – Zone 1 (Southern Ontario) and Zone 2 (Northern Ontario). Each zone has three tables of packages specific to homes heated with natural gas, oil, and electricity.

EXAMPLE FOR COMPLIANCE PACKAGE A1

All HRVs and ERVs installed in Canada must be listed by the Home Ventilating Institute (HVI). Make sure your HVAC contractor knows and complies with this code.

Number of bedrooms	Compliance Package	Minimum SRE Requirements	
		0°C	-25°C
1	A1	75% at 15 L/s (31.8 cfm)	55% at 30 L/s (63.6 cfm)
2	A1	75% at 22.5 L/s (47.7 cfm)	55% at 30 L/s (63.6 cfm)
3 or more	A1	75% at 30 L/s (63.6 cfm)	55% at 30 L/s (63.6 cfm)

Note that in previous codes, an HRV or ERV efficiency could be selected at any airflow. Now, the minimum Sensible Recovery Efficiency (SRE) required is based on a test temperature of zero degrees Celsius at an airflow equal to the principle exhaust flow but need not exceed 30 L/s.

LET'S MAKE IT SIMPLE

Zone 1 – Compliance Packages for Space Heating Equipment with AFUE ≥ 92%

	PACKAGES Airflow 30 L/s (64 CFM)			
	A1, A2, A4 Package 75% SRE@0°C	A3 Package 81% SRE@0°C	A5 Package 70% SRE@0°C	A6 Package 65% SRE@0°C
NEW CR12 HRV / ERV	•		•	•
Constructo 1.0 HRV/ERV				•
C12 HRV/ERV				•
Constructo 1.5/2.0 HRV				•
E10 HRV	•		•	•
E15 HRV	•		•	•
E15 ECM HRV	•		•	•
E15 ECM ERV				•
S10/S10+ ERV				•
X24HRV ECM	•	•	•	•
X24ERV ECM	•	•	•	•
X30HRV ECM	•		•	•
X30ERV ECM	•		•	•

Venmar AVS offers a host of choices for Prescriptive Package A1-A6 for homes in southern Ontario. All of these models are listed by the Home Ventilation Institute (HVI) and each complies to the code(s) indicated below.¹

There are many more equipment options available for builders who use the "Performance or Other Acceptable Compliance Methods" such as ENERGY STAR® for New Homes or R2000.

Contact your Venmar AVS representative for details.

¹ Refer to SB-12 Table 3.1.1.2.A Applicable for ZONE 1 – Compliance Packages for Space Heating Equipment with AFUE ≥ 92%


VENMAR AVS INTRODUCES ITS NEW CR12 HRV AND CR12 ERV

DESIGNED FOR A GREATER FLEXIBILITY AND QUICK INSTALLATION

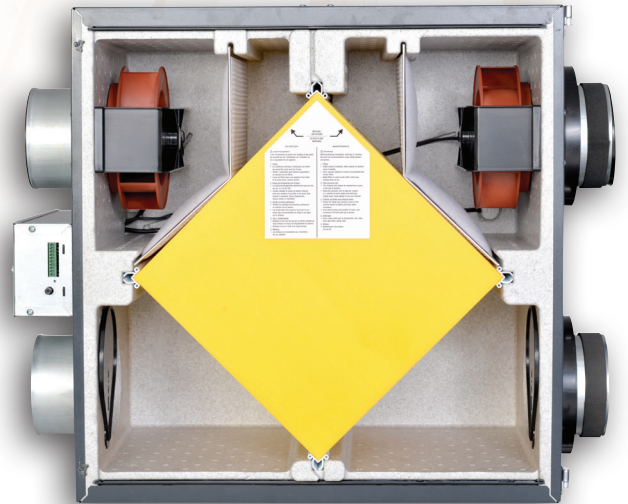
COMPLIANT WITH THE ONTARIO BUILDING CODE
(A1, A2, A4, A5, A6 Package)

Versatile and designed with the installer in mind, CR12 HRV and CR12 ERV can be installed quickly and easily in medium to large sized home.

- Reversible compact unit for greater installation flexibility
- No drain is required for the CR12 ERV
- Integrated "Snap-in" drain system installed in seconds with no additional parts to buy for the CR12 HRV
- Easy to balance with integrated dampers, pressure taps and hooks. Less risk of installing it incorrectly and letting cold air get inside the house
- ERV unit was tested at winter temperature for all zone 1 to prove how high our performances really are
- Energy efficient, all to make final user save money

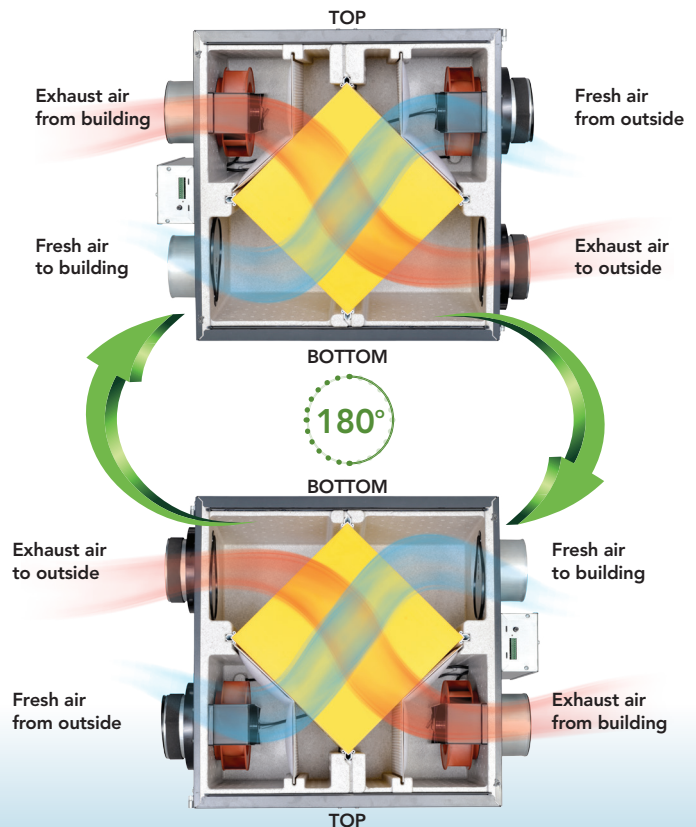
PART NUMBER	CR12 HRV	CR12 ERV
CFM at 0.2 in. w.g. / 0.4 in. w.g.	155 / 129	
Electrical consumption	62W	
Sensible recovery efficiency at 0°C	75%	
Apparent sensible recovery efficiency at 0°C	83%	
Sensible recovery efficiency at -10°C	-	75%
Sensible recovery efficiency at -25°C	60%	
Filtration	Merv 6	
Product dimension (in.) (WxDxH)	22 x 13.9 x 22.6	
Warranty on parts / core	5 years / Limited Lifetime	5 years / 5 years
Power cord length	6'	
Control compatibility	Lite-Touch, Deco-Touch, Constructo	
ENERGY STAR ^{®2}		

² This product earned the ENERGY STAR[®] by meeting strict energy efficiency guidelines set by Natural Resources Canada and the us EPA. It meets ENERGY STAR[®] requirements only when it used in Canada.



* ERV core color may differ from the HRV

**CR12 HRV AND CR12 ERV
ARE REVERSIBLE (180°)
TO PROVIDE THE BEST
INSTALLATION FLEXIBILITY.**



WALL CONTROLS COMPATIBILITY



40370

**THE BUDGET
CONSCIOUS**
VENTILATION CONTROLLER

The **Lite-Touch** wall control is offering the basic air exchange modes for simplicity of usage. A selection of minimum, maximum and intermittent air exchange speeds is available.



40400

**THE STYLISH DIGITAL
CONTROL WITH
OUTSTANDING VALUE**

The modern-style **Deco-Touch** wall control is featuring a nice LCD screen, which is displaying the many operation modes available that are making it really flexible. Different air exchange speeds are available, as well as recirculation* and dehumidistat operation modes.



40350

SIMPLE AND EFFICIENT
VENTILATION CONTROLLER

The **Constructo Wall Control** is easy to use and includes two operating modes, minimum and maximum, in addition to a dehumidistat switch. The perfect match for a simple and efficient control.

* Recirculation mode is not available on CR12 HRV and CR12 ERV units.

Available at this authorized dealer:



550 Lemire Blvd., Drummondville (Quebec) Canada J2C 7W9
Toll-Free: 1-800-567-3855

www.venmar.ca