



User Guide

40E, 40H+ AND 50H

TOP PORTS



VB0200

40E MODEL NO. 44262

SIDE PORTS



VB0201

40E MODEL NO. 44263



VB0200

40H+* MODEL NO. 44252

50H* MODEL NO. 44600



VB0201

40H+* MODEL NO. 44253

50H* MODEL NO. 44602



*THESE PRODUCTS EARNED THE ENERGY STAR® BY MEETING STRICT ENERGY EFFICIENCY GUIDELINES SET BY NATURAL RESOURCES CANADA AND THE US EPA. THEY MEET ENERGY STAR REQUIREMENTS ONLY WHEN USED IN CANADA.

READ AND SAVE THESE INSTRUCTIONS



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Congratulations!

You have made an excellent choice! The operating principle of your Heat or Energy Recovery Ventilator will give you personal comfort you have never known before.

We have prepared this User Guide especially for you. Please read it carefully to ensure you obtain full benefit from your unit. Over the coming months, you will increasingly appreciate the feeling of living in a more comfortable house.

Please take note that this guide uses the following symbols to emphasize particular information:

⚠ WARNING

Identifies an instruction which, if not followed, might cause serious personal injuries including possibility of death.

CAUTION

Denotes an instruction which, if not followed, may severely damage the unit and/or its components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

We welcome any suggestions you may have concerning this guide and/or the unit, and we would appreciate hearing your comments on ways to better serve you. Please forward all correspondence to us at the address indicated on the product registration card included with this guide.

CAUTION

Make sure at all times that the outdoors intake and exhaust hoods are free from any snow during the winter season. It is important to check your unit during a big snow storm, so it doesn't draw in any snow. If this is the case, please operate the unit in the recirculation mode, or turn it OFF for a few hours.

Do not use your unit during construction or renovation of your house or when sanding drywall. This type of dust may damage your system. Since the electronic control system of the unit uses a microprocessor, it may not operate correctly because of external noise or very short power failure. If this happens, unplug the unit and wait approximately 10 seconds. Then, plug the unit in again.

CAUTION

When leaving the house for a long period of time (more than two weeks), a responsible person should regularly check if the unit operates adequately. If the ductwork runs through an unconditioned space (e.g.: attic), the unit must operate continuously except when performing maintenance and/or repair. Also, the ambient temperature of the house should never drop below 18°C (65°F). At least once a year, the unit mechanical and electronic parts should be inspected by qualified service personnel.

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REPLACEMENT PARTS AND REPAIR

In order to ensure your ventilation unit remains in good working condition, you must use vänEE genuine replacement parts only. vänEE genuine replacement parts are specially designed for each unit and are manufactured to comply with all the applicable certification standards and maintain a high standard of safety. Any third party replacement part used may cause serious damage and drastically reduce the performance level of your unit, which will result in premature failing. vänEE also recommends to contact a vänEE certified service depot for all replacement parts and repairs.

1. Defrosting Mode

When the temperature outdoors is below -5°C (23°F), recovery of heat or energy creates frost in the core.

To maintain its proper operation, the unit is programmed to defrost the recovery core. The defrost frequency varies according to the temperature outdoors.

During the defrost cycle, the unit shifts to maximum speed and the dampers close. After defrosting, the unit returns to the operating mode selected by the user.

2. Controls

2.1 Booting Sequence

The unit booting sequence is similar to a personal computer boot sequence. Each time the unit is plugged after being unplugged, or a power failure occurs, the unit will perform a 30-second booting sequence before starting to operate.

During the booting sequence, the integrated control LED will light up and remain GREEN for 5 seconds, and then will turn RED. During this RED light phase, the unit is checking and re-setting the motorized damper position. Once the motorized damper position is completely set, the RED light turns off and the booting sequence is done.

NOTE: No command will be taken until the unit is fully booted.

2.2 Integrated control

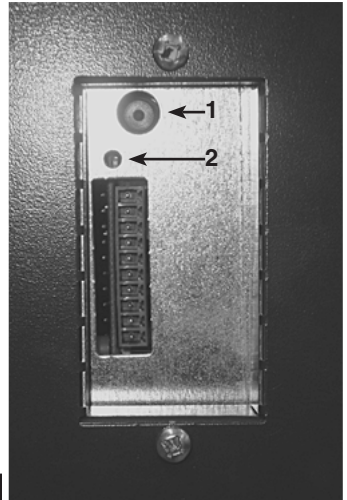
All units are equipped with an integrated control, located on the upper left side of the unit.

Use the push button (1) to control the unit. The LED (2) will then show which mode the unit is in. Refer to table below.

LED COLOR	RESULTS
AMBER	Unit is on Low speed
GREEN	Unit is on High speed
NO LIGHT	Unit is OFF or controlled by a main control

If a problem occurs during the unit operation, its integrated control LED (2) will blink. The color of the blinking light depends on the type of error detected. Refer to Section 4 Troubleshooting on last page for further details.

CAUTION
When using optional main control, the integrated control must be turned off.



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2.3 Optional Main and Auxiliary Controls

For more convenience, these units can also be controlled using an optional main control. Only one main control can be connected per unit.

CAUTION
Turn off the integrated control and wait until its LED is turned off before using an optional main wall control.

NOTE: If an optional auxiliary control is used, its activation will override the main control operation.

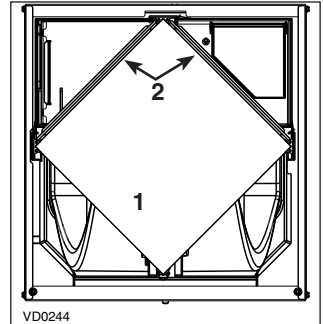
For more information about your unit controls, refer to the *Main and auxiliary wall controls user guide* (included with your unit and also available at www.vanee.ca).

3. Maintenance

⚠ WARNING

Risk of electric shock. Before performing any maintenance or servicing, always disconnect the unit from its power source. Sharp edges may be present. When cleaning the unit, it is recommended to wear safety glasses and gloves.

Refer to illustration at right to identify the inner parts of your unit.



1) Core

2) Core filters

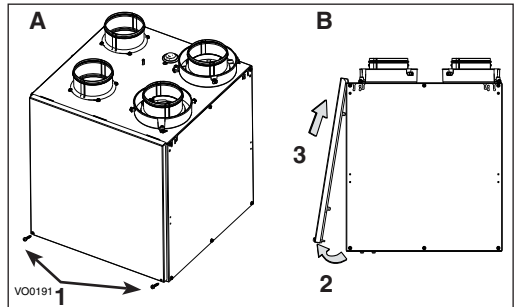
3.1 Quarterly Maintenance

1. Unplug the unit.

2. Remove the unit door by following these steps:

A. Remove both door bottom machine screws no. 8-32 x 1" (1) and set aside.

B. Open (2) and lift out the door (3).

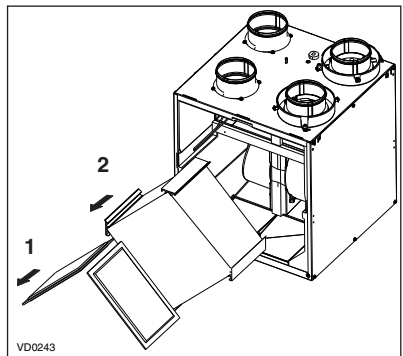


3. Slide out both filters (1) and recovery core (2) from the unit.

4. Clean the inside walls of the unit with a clean damp cloth, then wipe with a clean dry one.

5. Remove dust on filters and on core using a vacuum cleaner and a soft brush attachment.

6. Wash both core filters under lukewarm water with mild soap. Rinse thoroughly and let dry completely before reinstalling on the core.



CAUTION

Follow the instructions on the core label to reinstall it correctly.

7. Slide the core and the cleaned filters into the unit.

8. Reinstall the door. Secure it with both mechanical screws no. 8-32 x 1" previously removed and plug the unit.

NOTE: The unit will return to its previous setting after a 30-second delay for boot sequence.

3. Maintenance (cont'd)

3.2 Annual Maintenance

Do the same operations as the Quarterly Maintenance (Section 3.1), and clean the recovery core as follows (refer to the core label):

HRV units: Soak the heat recovery core in a mixture of lukewarm water and mild soap. Rinse thoroughly. Shake the core to remove excess water and let it dry.

ERV units: Remove the dust on the core using a vacuum cleaner and a soft brush attachment.

After reinstalling the core, the filters and the unit's door, then clean the exterior hoods.

4. Troubleshooting

If the unit does not work properly, reset the unit by unplugging it for one minute and then replug it. If it is still not working properly, refer to table below. First make sure that the integrated control is set to OFF (no LED lit).

PROBLEM	TRY THIS...
1. Nothing works.	<ul style="list-style-type: none">• See if the unit is plugged in.• See if the unit is receiving power from the house circuit breaker or fuse.
2. Condensation on windows (air too humid).	<ul style="list-style-type: none">• Operate the unit on maximum speed ventilation until the situation is corrected.• Leave curtains half-open to allow air circulation.• Store all firewood in a closed room with a dehumidifier or in a well ventilated room, or store the wood outside.• Do not adjust the thermostat of your heating system below 18°C (64°F).
3. Indoor air too dry.	<ul style="list-style-type: none">• Temporarily use a humidifier.• Operate the unit in recirculation mode (if available).
4. Air too cold at the air supply grille.	<ul style="list-style-type: none">• Check if the exterior hood is blocked.• Operate the unit in low speed ventilation, in intermittent or in recirculation mode (if available).• Install a duct heater.
5. The LED of the integrated control is blinking green.	<ul style="list-style-type: none">• There is a problem with the thermistor. The unit is still working, but will defrost frequently. Contact your installer.
6. The LED of the integrated control is blinking amber.	<ul style="list-style-type: none">• There is a problem with the motorized damper. The unit is OFF. For a 2½-hour period, the unit will try to reset the damper every 30 minutes. After 2½ hours, if the problem is not solved, the unit stops trying to reset damper.• Contact your installer.
7. The integrated control push button does not work.	<ul style="list-style-type: none">• The 30-second boot sequence is not completed.• See <i>Integrated Control</i> on page 4.

For wall controls problems, refer to the Troubleshooting section in the *Main and auxiliary wall controls user guide* (included with the ventilation unit and also available at www.vanee.ca).

If the problem is still not solved, call your installer or the nearest approved Service Center. You can also reach the Customer Service Department at the following phone number: 1-800-567-3855.