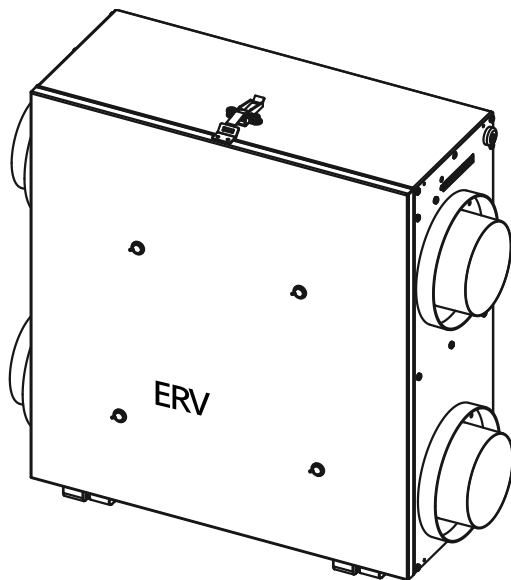


# USER MANUAL

## ERV

### ENERGY RECOVERY VENTILATOR



OSALE115

OSALE150

OSAME230R



DNSALE115

DNSALE150

DNSAME230R



ISALE115

ISALE150

ISAME230R



GSALE115

GSALE150

GSAME230R



S16/ESALE115

S16plus/ESALE150

S20R/ESAME230R

# READ AND SAVE THESE INSTRUCTIONS

## SAFETY PRECAUTIONS

**WARNING:** TO REDUCE THE RISK OF FIRE,  
ELECTRIC SHOCK, OR INJURY TO PERSONS,  
OBSERVE THE FOLLOWING:



- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Unplug the unit before servicing, cleaning, installing or replacing filters.
- Do not operate any fan with a damaged cord or plug. Discard fans or return to an authorized service facility for examination and/or repair.
- Do not run cords under carpeting. Do not cover the cord with throw rugs, runners, or similar coverings. Do not route cords under furniture or appliances. Arrange cord away from traffic areas and where it will not be tripped over.
- Do not damage, pull, twist, bend or place heavy objects on the cord.
- Never handle the electrical cord with wet hands.
- Do not alter the plug in any way.
- Do not use with extension cords.
- Never tug on the electrical cord to unplug the unit from the outlet.
- Do not place fingers or foreign objects into the airflow openings of the unit.
- Operate the unit in a well-ventilated area.
- Do not operate the unit outdoors.
- Do not operate near flammable gases.
- Do not operate the unit in humid or wet places such as a bathroom.
- Do not use chemical sprays near the unit, they will accumulate on the filter and potentially cause harmful fumes.
- Do not operate the unit in an area with high oil content, such as mechanical oil or cooking oil, over time it will deteriorate the filter.
- Make sure all filters are correctly installed before running the unit.
- This is not a toy and is not intended for use by children.

**WARNING:** to reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.



*Congratulations  
on your purchase of an  
Energy Recovery Ventilator.*

*Your new system will improve  
the quality of the air in your home  
for many years to come.*

## **THE QUALITY OF THE AIR IN HOMES TODAY.**

Homes today are built to be as energy efficient as possible. To prevent heat loss, newer homes are more airtight. This reduces the cost to heat a house but in effect, it lowers indoor air quality. Regardless, in any home, new or old, indoor air quality is typically 2 to 5 times more polluted than outdoor air.

The ERV system is specifically designed to bring fresh air while recuperating the energy and moisture from the airflow going out of your home.

## USE

The ERV was designed to operate 24 hours a day, 7 days a week in intermittent mode (20 minutes ON - 40 minutes OFF). Typically the system is designed, installed and calibrated by a specialized contractor to be very efficient and quiet.

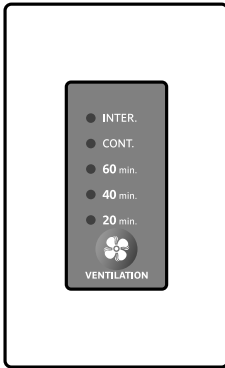
High levels of indoor relative humidity during the heating season can cause water condensation on windows and lesser insulated surfaces. It's essential to control water condensation to prevent health problems related mold growth.

The following table gives the typical maximum indoor relative humidity levels required to prevent condensation at an indoor ambient temperature of 22 °C for a house with average performance windows.

OUTSIDE TEMPERATURE	MAXIMUM TYPICAL INDOOR RELATIVE HUMIDITY
-5 °C	45%
-10 °C	40%
-15 °C	35%
-20 °C	30%
-25 °C	25%
-30 °C	20%

When required you can increase or maintain the air quality by putting the ERV at high speed. Exemple: Smokers, bad smell, many people visiting you.

## CONTROL-TIMER (LT15)



**INTER.** Intermittent mode, 20 minutes ON in low speed 40 and minutes OFF. It's recommended to leave the machine in this mode except when absent from home for prolonged periods.

**CONT.** CONTINUOUS mode on low speed.

**20-40-60** HIGH SPEED mode for the selected timer value. Depress the "VENTILATION" to select the desired time values.

## MODE CHANGE

To alternate between CONTINUOUS and INTERMITENT mode you need to press and hold the "VENTILATION" button for **4 seconds**. Apfter a power outage the machine will return into INTERMITENT mode.

## EXTENDED ABSENCE (MACHINE OFF)

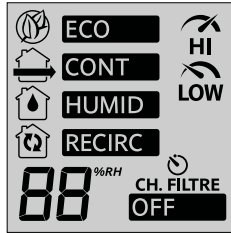
To stop the machine for a long time you must press and hold the "VENTILATION" button for **10 seconds**. In the event of a power failure, the machine returns to EXTENDED ABSENCE mode.

To exit the mode simply press the "VENTILATION" button briefly.

## DIGITAL WALL CONTROL (SA-LCD15)



Economic mode  
 Continuous mode  
 Humidity mode  
 Recirculation mode  
 Humidity %



High speed

Low speed

Change filters  
OFF mode

## OPERATING MODES



**ECONOMIC** — Intermittent, 20 minutes in LOW speed and 40 minutes OFF. It's recommended to select this mode except during an extended absence from home.



**CONTINUOUS** — In HIGH speed or Low speed



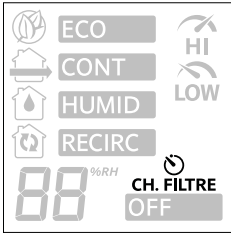
**HUMIDITY** — Switches to HIGH speed when ambient relative humidity exceeds user-adjustable setpoint



**RECIRCULATION** — In HIGH speed or LOW speed



**OFF** — Does not operate until restarted by user.



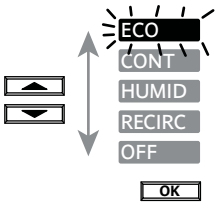
When this indicator light is on, it's time to change the filters.

Scheduled every 6 months

To reset, hold down the OK button for 10 seconds

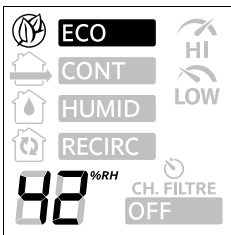
## ECONOMIC MODE

Select the desired mode using the arrows.



By pressing the OK button the current selection will flash.

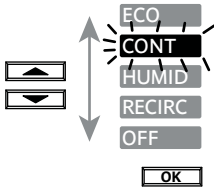
Press OK to confirm selection



Current mode and humidity %

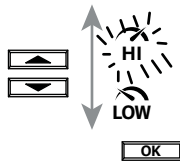
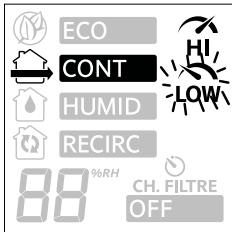
## CONTINUOUS MODE

Select the desired mode using the arrows.



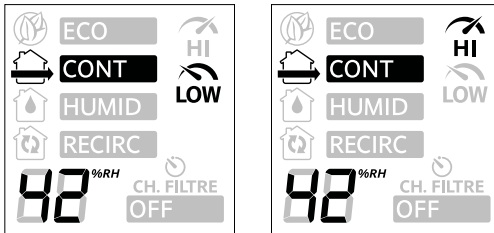
By pressing the OK button  
the current selection will flash.

Press OK to confirm selection



Select speed

Press OK to  
confirm selection

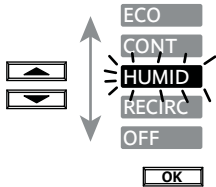


Current mode,  
speed and humidity %



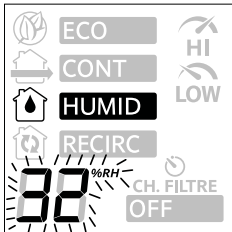
## HUMIDITY MODE

Select the desired mode using the arrows.



By pressing the OK button  
the current selection will flash.

Press OK to confirm selection



Range 20% to 60%

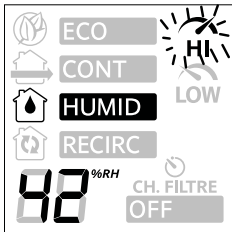


Setpoint +1%

Setpoint -1%



Press OK to confirm  
new setpoint

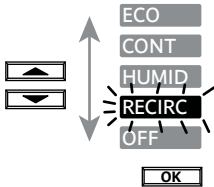


HI mode is flashing when running

Current mode,  
speed and  
humidity %

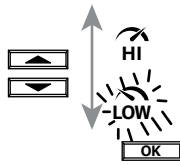
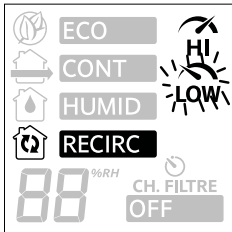
## MODE CONTINU

Select the desired mode using the arrows.



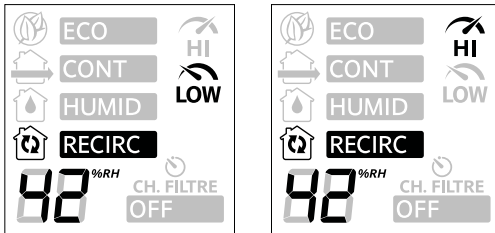
By pressing the OK button  
the current selection will flash.

Press OK to confirm selection



Select speed

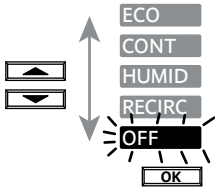
Press OK to  
confirm selection



Current mode,  
speed and humidity %

## MODE ARRÊT

Select the desired mode using the arrows.



By pressing the OK button  
the current selection will flash.

Press OK to confirm selection



Current mode and humidity %

## MAINTENANCE SCHEDULE

Your ERV is equipped with two carbon filters

Your system is equipped with 2 charcoal filters that protect the energy recovery core. It is recommended to replace these filters every 6 months. It is also very important to keep the recovery core clean. A dirty core would have the effect of decreasing the energy recovery efficiency.

- **EVERY 6 MONTHS:** Replaces both charcoal filters..
- **EVERY YEAR:** Clean the energy recovery core.

The annual maintenance kit for your ERV has the product number (**ANCKITVRC**). It contains everything you will need to maintain your device for one year.

To order the annual maintenance kit, go to our website (**boutique.epurair.com**) or contact our customer service. Fast delivery is included in the price.

## FILTER REPLACEMENT

Remove both filters from the device and replace them with two new filters.



## CLEANING OF THE ENERGY RECOVERY CORE

1. Remove both filters as mentioned previously.
2. Remove the core from its location.

It is normal for the core to be difficult to remove. Hold the block firmly and pull it towards you.



3. Rinse the core with clean water at room temperature (neither cold nor hot).

If the core is greasy, you can soak it for 1 minute at room temperature water containing a very small amount of dish soap. Let the block drip for a few minutes before reinstalling it.

4. Reinstall the exchanger core with the label pointing at the top of the machine.
5. Reinstall the two filters.





**SPECIFICATIONS**

Dimensions: (53.3 cm L x 68.9 cm H x 22.9 cm D)  
 Air exchange: **up to 230 CFM**  
 Motor: Thermally protected - Class F insulated  
 continuous use tests 50,000 h  
 Power: 120 volts, 60 Hz, 33 W  
 Classification: **Residential HVAC**  
**CSA approved**  
 Control: (SA-LT15) Control/Timer  
 or (SA-LCD15) Digital Control/Timer

**LIMITED GUARANTEE**

The motor inside the Innovair Solutions unit is guaranteed to the original purchaser for the duration of FIVE (5) years from the date of purchase. All other components with the exception of the filters that are guaranteed for ONE (1) year. Innovair Solutions will repair or replace at its choice the component(s) which upon inspection by an authorized Innovair Solutions dealer proves to have failed in normal use due to defects in material or workmanship. Innovair Solutions will at its discretion, replace the unit if necessary. The warranty is void if any attempts have been made by unauthorized personnel to service or modify the unit as well as operating the unit at voltages other than that specified on the unit.

THE CUSTOMER IS RESPONSIBLE FOR ANY DELIVERY CHARGES WHEN SHIPPING THE UNIT TO INNOVAIR SOLUTIONS FOR WARRANTY REPAIRS OR WORK.



Designed and made  
in CANADA

**EASY!**

To order you annual maintenance supplies.

**[boutique.epurair.com](http://boutique.epurair.com)**

or by phone.

Fast delivery is included in the price.

**CUSTOMER SERVICE**

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