Pinion eWind
Pinion Premium eWind

Operating and maintenance instructions for the ventilation unit

CONTENTS

READ FIRST

This instruction manual is intended for all users of the Enervent ventilation units. Only qualified persons may install the equipment described in this manual, according to the manufacturer's instructions and the local laws and regulations. Unless the instructions provided in this manual are followed, the warranty for the equipment becomes void and personal and material damages may be result.

The equipment described in this manual may not be used by persons (including children) with reduced physical, sensory or mental capacity or without sufficient experience or knowledge, unless a person responsible for their safety is supervising and counselling in the use of the equipment.

PURPOSE OF USE

The purpose of the unit is to improve the quality of indoor air and its primary function is ventilation.

The unit is also used for the recovery of heat energy from the extract air. In addition, depending on the model and accessories the unit can be used for cooling the supply air in summer. It can also be used for regulating the moisture and carbon dioxide levels of indoor air.

SAFETY

General

DANGER

Always check before opening the service hatch that the supply voltage of the equipment is switched off.

WARNING

In case of malfunction, always find out the reason for the malfunction before starting the unit again.

WARNING

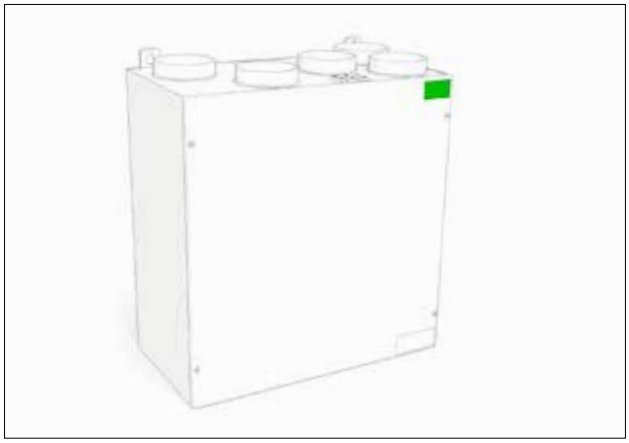
Wait for two (2) minutes after switching off the unit power before you commence with the maintenance. Although the power is switched off, the fans continue running and the after-heating coil stays hot for a while.

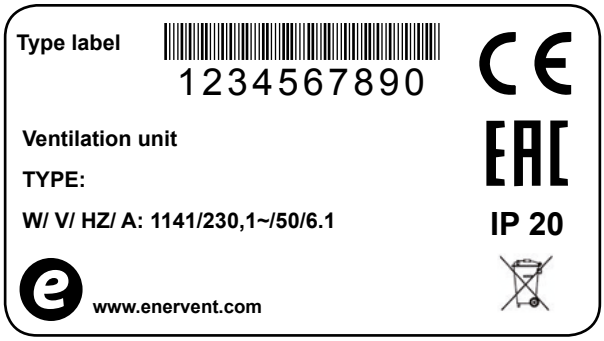
Electrical safety

DANGER

Only an authorised electrician may perform any actions in the electrical box.

TYPE PLATE

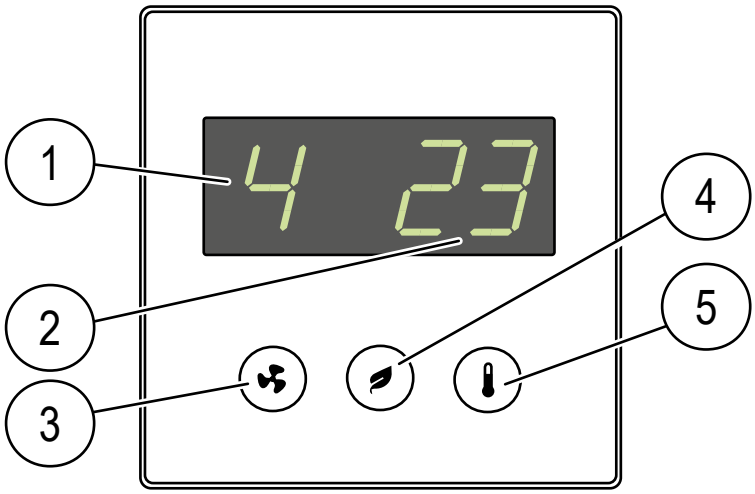




Should you need any technical support, refer to the equipment type and serial number in the type plate.

USE OF THE VENTILATION UNIT

When the ventilation system has been carefully designed and installed, any actions from the users are seldom needed. The user can just relax and enjoy good ventilation.



Button/display	Description
Mode display	Current operation mode
Temperature display	Target temperature of the supply air
Mode button	Selection of the operation mode (browsing of the parameters)
Eco button	Selection of Eco mode (browsing of the parameters)
Temperature button	Selection of the target temperature of the supply air

NOTE

Some functions of the control panel are for installation or maintenance purposes only.

The eWind control panel

The eWind control panel

1. *Mode (in basic view)*
2. *Temperature (in basic view)*
3. *Mode button*
4. *Eco button*
5. *Temperature button*

Daily use of the ventilation

The ventilation is adjusted with an easy-to-use control panel, the operation of which is based on actual situations of use. Operation modes based on these situations cover all the ventilation needs of your home. When you change the operation mode, the operation of the ventilation unit is changed accordingly. The installer of the unit adjusts the settings for each operation mode when installing the ventilation unit.

The control panel is usually in standby mode where the display is dimmed. You can activate the panel by pressing any button.

Operation modes

1 = Away (when you are not at home)

2 = Home (when you are at home)

3 = Home (when you are at home, boosted ventilation)

4 = Boosted (when the ventilation needs to be boosted more)

F-PL = Fireplace mode (when lighting a fire in the fireplace)

HEAt = Heating on/heating off

Eco = Energy-saving ventilation

PdC = Hood mode

Away mode (1)

You can reduce ventilation when you are going to be away for an extended period of time, e.g., due to a trip.
To select:

1 Go to mode 1 by pressing button .

- The ventilation system will enter the selected mode.

NOTE

You can select Away mode by using an external switch as well (if installed).

Home mode (2)

When you are at home, the ventilation unit functions normally in Home mode.
To select:

1 Go to mode 2 by pressing button .

- The ventilation system will enter the selected mode.

Home mode, boosted ventilation (3)

When you need more efficient ventilation, you can increase the airflow.
To select:

1 Go to mode 3 by pressing button .

- The ventilation system will enter the selected mode.

Boosted mode (4)

When you have visitors, the ventilation level of the mode designed for everyday use may not be sufficient. This may be the case, for example, when several people are having a sauna.
To select:

1 Go to mode 4 by pressing button .

- The ventilation system will enter the selected mode. There is a time limit in Boosted mode. The passing of time is displayed on the screen by alternating bars after the number of the mode.

NOTE

If Boosted mode is controlled by pressing an external button, the mode will remain on as long as the button is activated. When the button is released, Boosted mode will remain on for the duration set in the system. The factory setting is 2 hours.

To change the supply air temperature

The target temperature of the supply air (displayed on the screen) is set when installing the system. You can adjust the temperature on the scale 15...22 °C. To adjust:

1 Go to the desired target temperature by pressing button .

- The system adjusts the efficiency of the heat recovery or the effect of the after-heating/cooling accordingly.

Fireplace mode

The Fireplace mode may be useful when you light a fire in the fireplace.

To select:

WARNING

Fireplace mode is designed for use only when lighting a fire in the fireplace – not to be used as the source of replacement air when using the fireplace.

TIP

Unnecessary use of Fireplace mode causes unnecessary waste of energy.

1 Press button for 3 seconds. Text **on** will be displayed for a short period of time and then followed by **F-PL**.

To go back to Home mode:

1 Press button for 3 seconds. The text **oFF** will be displayed for a short period of time. Next, the display will return to the basic view.

NOTE

The default duration of Fireplace mode is 10 minutes and you can select it at most two times per day. When the time has elapsed, the system will return to the previous mode.

You can select Fireplace mode by using a separate Fireplace button as well (if installed).

If a cooker hood has been connected to the unit, the fireplace mode will not be available.

Hood mode

In Hood mode, the unit will boost ventilation and remove cooking smells from the cooker more efficiently. When the cooker hood has been connected to the unit and the hood boosting has been activated from the hood, the text "**PdC**" will be displayed on the screen. When this mode is selected, the unit's mode cannot be changed by using the eWind control panel.

Heating mode

In Heating mode the supply air is heated by using the integrated heater. To select:

1 Press button for 3 seconds. The text **HEAt** will be displayed for a short period of time. Next, the display will return to the standard view.

To go back to Home mode:

1 Press button for 3 seconds. The texts **HEAt** and **oFF** will be displayed for a short period of time. Next, the display will return to the standard view.

NOTE

The heater does not heat the supply air when the outside temperature exceeds +25 °C.

Eco mode

When you select Eco mode in the ventilation system, the system will save energy by making minor adjustments in the set temperature and airflow values. In Eco mode, the system does not react to changes in temperature as quickly as in the normal mode. It will first examine which way the temperature is going before it starts to heat or cool the supply air.

This green operation mode will not significantly reduce comfort, but it will reduce costs.

To select:

1 Press button . The text **ECO** and **on** will be displayed for a short period of time. Next, the display will return to the basic view. The ventilation system will enter the selected mode.

To go back to Home mode:

1 Press button . The texts **ECO** and **oFF** will be displayed for a short period of time. Next, the display will return to the basic view.

NOTE

The selected Eco mode will be switched off when the outside temperature exceeds +25 °C and it will be switched back on when the outside temperature falls below +25 °C.

Data display

You can view the available functions in the eWind info list on the data display.

eWind info list

Opening:

1 Simultaneously press buttons and once.
Parameter (n1..nn) is displayed.

2 Browse the info list using buttons and .

Return to the standard view:

3 Simultaneously press buttons and once.

FOR YOUR INFORMATION

If you do not press any button, the menu will close in 5 minutes and the panel will return to the standard view.

eWind info list	
Marking	**Definition**
n0	Standard mode is on
n1	Boosted ventilation for the removal of humidity
n2	Boosted ventilation for the removal of carbon dioxide
n3	Heat recovery is on
n4	Post-heating with an electric or water coil is on
n5	Outdoor air pre-heating with CHG/AGH or an electric pre-heater is on
n6	Supply air CG, CHG, or AGH cooling is on
n7	Cold recovery with the rotating heat exchanger is on
n8	Ventilation boosted manually
n9	Away mode is on
n10	Dehumidification with rotor is on
n11	Defrosting is on
n12	Eco mode is on
n13	Maintenance reminder: the time remaining until the next filter replacement in days
n14	Unit is starting

Measurement display

You can monitor temperature, humidity, heat recovery efficiency and other measurement values in the eWind measurement list, which is displayed on the measurement display.

eWind measurement list

Opening:

1. Simultaneously press buttons and two times. • Parameter (r1..rn) and the parameter values are displayed.
2. Browse the parameter list up or down by pressing button or .

Return to the standard view:

1. Simultaneously press buttons and once.

eWind measurement list				
Marking	**Definition**	**Marking in the chart and the connection in the automation motherboard**	**Note**	**Modbus register**
r1	Outdoor air temperature, °C	TE01	All models	6
r2	Supply air temperature after heat recovery, °C	TE05	All models	7
r3	Supply air temperature, °C	TE10	All models	8
r4	Extract air temperature, °C	TE30	All models	10
r5	Exhaust air temperature, °C	TE32	All models	9
r6	Return water temperature of water-based heating coil, °C	TE45	eWind W only. Other models display '0'.	12
r7	Temperature of pre-heated outdoor air (CHG/AGH/electric pre-heater), °C	TE02	Only if equipped with CHG/AGH or an electric pre-heater.	32
r8	Relative humidity (RH) of extract air	RH30	All models	13
r9	Carbon dioxide level, ppm		Without an external carbon dioxide sensor (accessory), '- -' is displayed	23
r10	Measurement of external relative humidity, %RH		Without an external humidity sensor (accessory), '- -' is displayed-	23
r11	Temperature efficiency of the supply air heat recovery, %		All models Calculated value	29
r12	Temperature efficiency of the extract air heat recovery, %		All models Calculated value	30

EFFICIENT USE OF THE VENTILATION

A correctly designed and used ventilation system reduces costs and saves energy. In addition, it promotes the health of both the living environment and the residents.

- Always use the ventilation system according to the plan drawn up for your home – around the year.
- Clean or replace the filters when the system advises you to do so and vacuum-clean the interior of the unit regularly.
- Open the lid of the ventilation unit and take a look inside the unit regularly, e.g. once a month.
- Dust or other impurities in the air may accumulate in the equipment. Dirt blocks the filters and adheres to the heat exchanger and weakens the efficiency of ventilation.
- Use special modes, such as Fireplace mode, only when necessary.
- The unnecessary use of special modes increases energy consumption.
- Instead of or in addition to adjusting the ventilation system, you can improve living comfort by using traditional methods:
- Keep the curtains and windows closed on hot days in order to keep out the heat of the sun. Dress more warmly on cold days. This will help you to save a lot of energy.
- Use only spare parts approved by Enervent.
- Use original filters only. They have been designed to ensure the best possible performance of your ventilation system.
- Use **Eco** mode in order to save energy and reduce costs, without compromising the quality of indoor air.

Use of the ventilation during the cold season

CAUTION

Reducing ventilation may cause serious damage to the structures of your house.

Do not reduce ventilation or switch it off when the outdoor temperature drops. Instead of decreasing, the costs may increase. Your ventilation system is the result of a professional system designer. Changes in the outside temperature have been taken into consideration in designing the system and the unit. If there are no changes in your daily routines, no adjustments are required in the ventilation system.

If you reduce airflow in cold weather, ice may form inside the ventilation unit. The risk is especially high in extremely cold weather and when the indoor air humidity is high (the shower is used frequently and large amounts of laundry are dried).

If the structure of the ventilation system needs to be updated, contact the designer of the system.

ADDITIONAL FUNCTIONS

Service reminder display

The purpose of the service reminder is to remind the user when the service interval has elapsed. The maintenance interval is 4 or 6 months depending on the model.

When the service interval has elapsed, the text **FILS** will be displayed on the screen.

Time for next service

Checking:

1	Simultaneously press buttons and once.
2	Browse to the parameter n13 by pressing button .

- The time remaining until the next service is displayed in days.

Set-up display

The set-up display is designed for professional use only. It displays the current settings in the ventilation system and enables changing the settings.

CAUTION

Changing the settings is only allowed for an authorised person who has received sufficient training in using the ventilation system.

ADJUSTMENTS

Supply air is too warm

If the air coming from the ventilation system is too warm:

1. Go to a lower supply air target temperature by pressing button . The temperature value on the panel will change and the ventilation system will be adjusted according to the set target temperature.

NOTE

The system uses all of its devices in order to reach the required temperature. Missing devices, such as a cooling coil, may cause a higher temperature than the one you selected.

Using Eco mode maximises heat recovery in warmer weather as well. However, it may also cause the supply air to be too warm. In this case, switch off Eco mode.

Supply air is too cold

If the air coming from the ventilation system is too cold:

Go to a higher supply air target temperature by pressing the button. The temperature value on the panel will change and the ventilation system will be adjusted according to the set target temperature.

NOTE

The system uses all of its devices in order to reach the required temperature. Missing devices, such as an after-heating coil, may cause a lower temperature than the one you selected.

Insufficient maintenance: Cold supply air can be caused by, for example, a blocked filter or the heat recovery's worn-out drive belt.

See also the following section: Heating mode, on page 8

Ventilation is not sufficient

If the ventilation is not sufficient:

1. Check that the filters are clean and that they do not need to be replaced.
- If the filters are dirty, replace them according to the instructions provided in the section **"Filters" on page 12**.
2. Check that no changes have occurred in the need for ventilation after the design and installation of the system.
- If changes have occurred in the number of people living in your household or in your routines, the ventilation system may need to be updated. Contact the designer of your ventilation system.

Ventilation is noisy

Although our ventilation units are fairly quiet, they are never totally silent. If the ventilation system has been designed and installed correctly (no devices are placed close to the bedroom and soundproof doors and silencers are used), disturbance caused by ventilation can be reduced to a minimum.

If the ventilation is unusually noisy:

1. Check that the filters are clean and that they do not need to be replaced.
2. If the filters are dirty, replace them according to the instructions provided in the section **"Filters" on page 12**.
3. Check that the fans are clean and that they do not require cleaning.
4. If the fans are dirty, clean them as instructed in the maintenance instructions.
5. Check that the automated humidity boosting for removing moisture is not on.
6. Open the Information display and browse to the parameter n1. If the parameter is visible, the humidity boosting is on.

NOTE

If the automatic humidity boosting is always on, the humidity may be too high. Contact the designer of your ventilation system.

Indoor air is too humid

In addition to feeling the humidity, you may also identify a too high moisture content by listening to the sound caused by the ventilation. If the automatic humidity boosting is always on, the humidity may be too high and thus the ventilation system is trying to return the humidity to the correct level.

If the indoor air is too humid:

1. Check that the filters are clean and that they do not need to be replaced.
- If the filters are dirty, replace them according to the instructions provided in the section **"Filters" on page 12**.
2. Check that no changes have occurred in the need for ventilation after the design and installation of the system.

NOTE

If changes have occurred in the number of people living in your household and/or using the shower or sauna, the ventilation system may need to be updated. Contact the designer of your ventilation system.

Ventilation does not work

If the ventilation does not work:

1. Check that the unit is connected to the electricity supply.
2. Check that the fuse has not tripped in the electricity distribution board.

If all these matters are ok and the ventilation still does not work, contact maintenance.

MAINTENANCE

The unit requires very little maintenance. The required maintenance usually includes the following tasks:

- replacing the filters
- cleaning the heat exchanger (in connection with cleaning the ventilation ducts)
- cleaning the fans (in connection with cleaning the ventilation ducts)
- checking the condensation water discharge pipe.

DANGER

Before commencing with maintenance, switch the power supply off by removing the plug from the socket outlet. Wait for two (2) minutes before you commence the maintenance. Although the power supply of the unit has been switched off, the fans continue running and the electric heater will be hot for a while.

The equipment includes moving parts (e.g., fans and the motor and belt of the rotating heat exchanger) which wear out in use. Due to normal wear these parts must be replaced during the life span of the equipment. The normal service life of the wearing parts is determined by the operational conditions and time of use and thus no normal maintenance interval can be specified for the wearing parts.

Service reminder

The control panel will advise the user to conduct the regular maintenance. The service reminder **FILS** appears on the control panel display when the end of the maintenance interval has been reached.

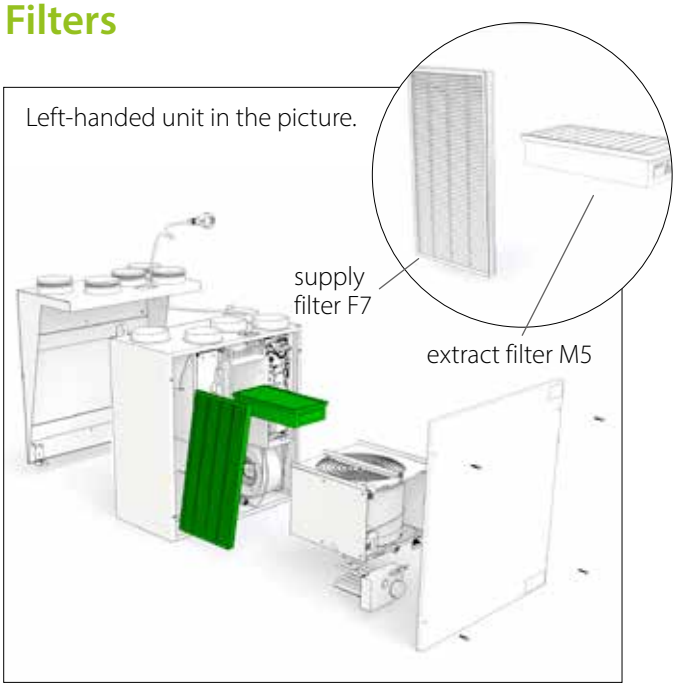
Acknowledge the service reminder by pressing any key on the eWind panel for 5 seconds.

FOR YOUR INFORMATION

In connection with conducting maintenance on any part of the equipment, always check the wear and cleanliness of other parts as well.

Watch the maintenance instruction video in our Help Center on our website at www.enervent.com.

Filters



M5 and F7 cassette filters are used in the ventilation unit.

The maximum recommended maintenance interval of the cassette filter is 4 months.

Cassette filters can be cleaned by using compressed air which extends the maintenance interval at the maximum to six (6) months.

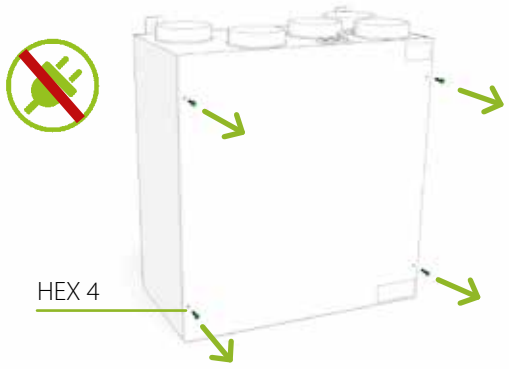
FOR YOUR INFORMATION

The compressed air used must be dry and oil-free.

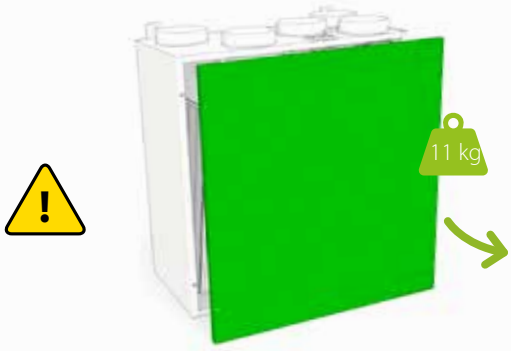
Replacing filters, left-handed model

1

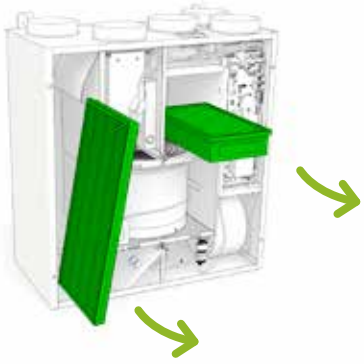
2



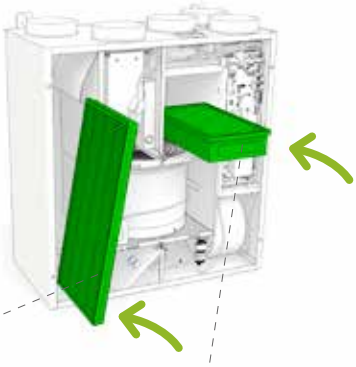
3



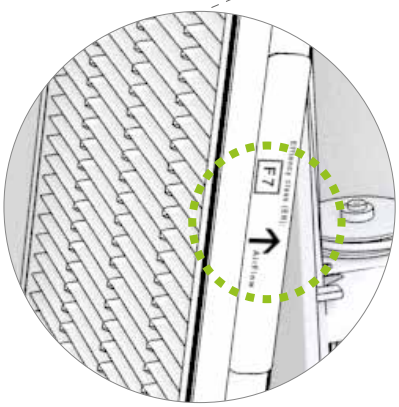
4



5



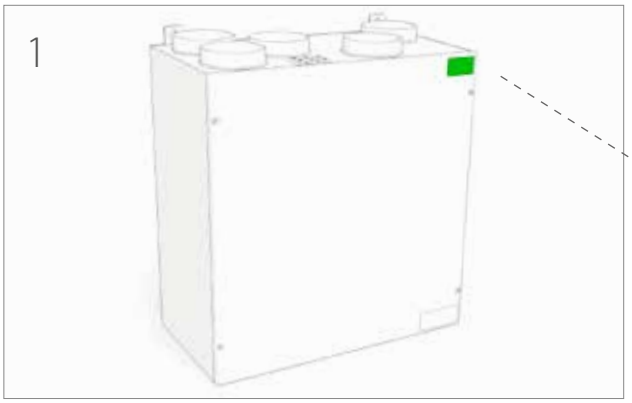
F7



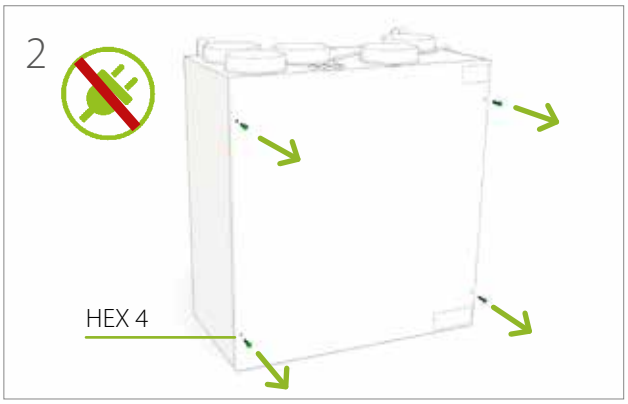
M5

Replacing filters, right-handed model

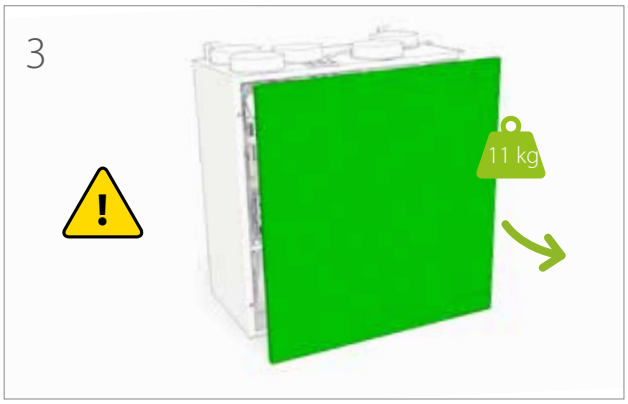
1



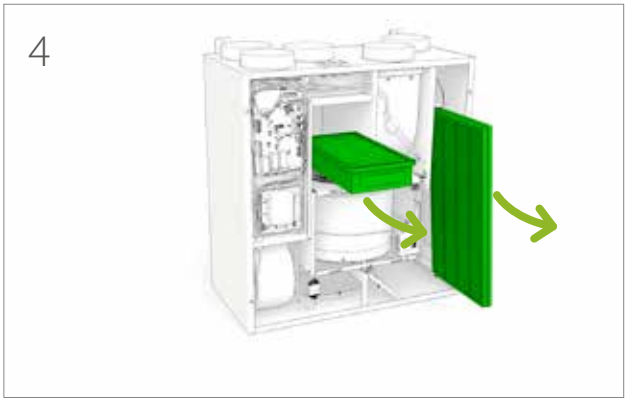
2



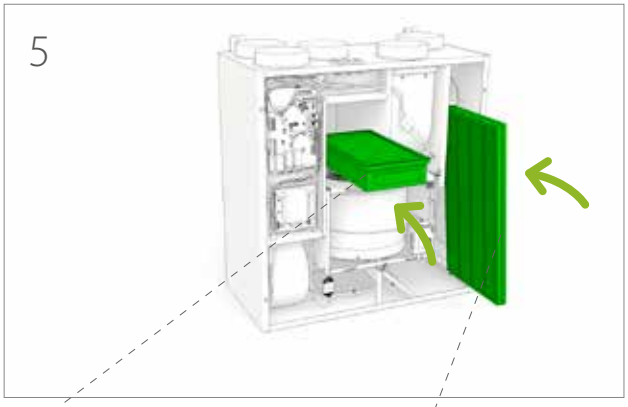
3



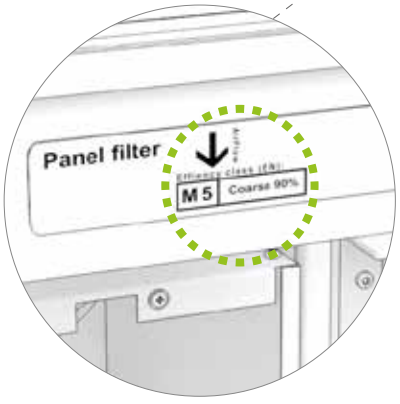
4



5



M5



F7

Fans

Inspecting

DANGER

Before opening the service hatch, always make sure that the unit's supply voltage is switched off.

1. Inspect the cleanness of the fans visually when changing the filters.

- If they look dirty, clean them.

TIP

Vacuum the inside of the unit for better performance and cleaner indoor air.

Cleaning

DANGER

Before opening the service hatch, always make sure that the unit's supply voltage is switched off.

1. Remove the fans from the unit.
2. Clean the fans with a toothbrush or pressurized air.
3. Place the fans back into the unit.

Heat exchanger

Inspecting

1. Check the cleanness of the heat exchanger visually when changing the filters.

- If it looks dirty, clean it.

TIP

Vacuum the inside of the unit for better performance and cleaner indoor air.

Cleaning

DANGER

Before opening the service hatch, always make sure that the unit's supply voltage is switched off.

1. Remove the heat exchanger from the unit.
2. Wash the heat exchanger with water and neutral detergent or use pressurized air.

WARNING

Do not submerge the heat exchanger in water. The electric motor inside the exchanger must not get wet.

The use of a pressure washer is strictly forbidden.

3. Dry the heat exchanger properly.
4. Place the heat exchanger back into the unit.
5. Start the unit up to verify the rotation.
6. Close the service hatch.

Replacing heat exchanger belt

If the heat exchanger has stopped rotating, the reason for it may be a broken drive belt. Check the condition of the belt from the round opening at the front of the heat exchanger. There is one spare belt attached to all heat exchangers.

FOR YOUR INFORMATION

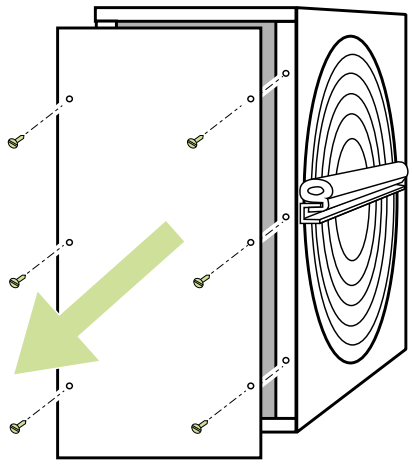
Visit the HelpCenter on our webpage www.enervent.fi for videos showing the maintenance tasks.

To replace:

DANGER

Turn off the ventilation unit by switching off the main power supply, by removing the fuse or by disconnecting the wall plug.

1. Detach the bayonet connector from the socket.
2. Remove the heat exchanger from the unit carefully.
3. Unscrew the six screws on the heat exchanger maintenance hatch lid at the front side of the heat exchanger.

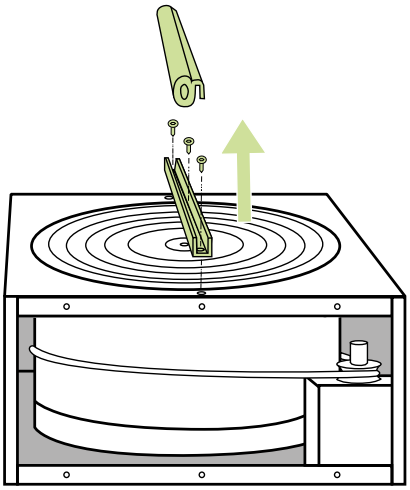


4. Open the maintenance hatch with the help of a flat tool.
   - Use for example a Stanley knife.
5. Pull off the broken heat exchanger belt.
6. Inspect the belt wheel to make sure it is undamaged, in its place and rotating properly.
7. Clean the heat exchanger and the belt wheel.
   - Use water and neutral detergent with a soft, lint-free cloth.
   - Rotate the heat exchanger to make sure everything gets cleaned.
   - Make sure that the heat exchanger is rotating freely, without excessive force. You should be able to rotate the heat exchanger with only one finger.

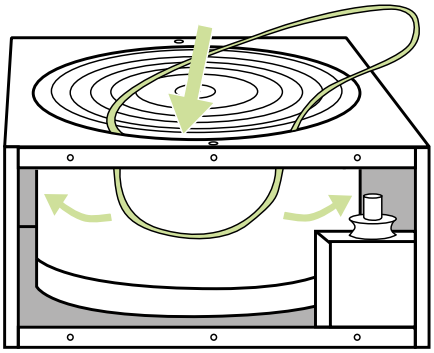
Go to step 8 if a spare belt is not attached on your heat exchanger.

- Pull the spare exchanger belt from the holders by rotating the exchanger. Leave the holders on the heat exchanger.

8. Loosen the U-beam on one side of the heat exchanger by removing the screws under the U-beam rubber gasket.



9. Unscrew the hexagonal screw of the axle in the middle of the U-beam and remove the beam.
10. Slide the new belt inside around the heat exchanger through the opening in the casing and the gasket.

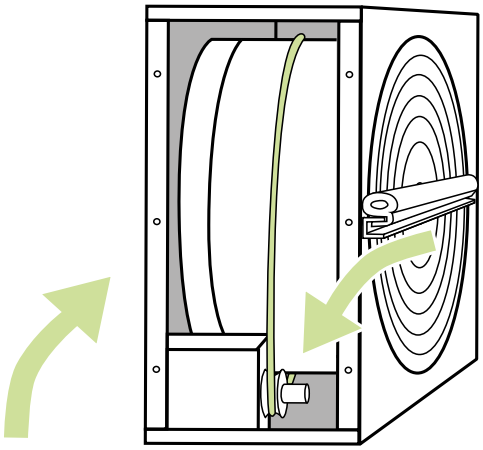


11. Rotate the heat exchanger to get the belt properly in place.

12. Replace the U-beam and reattach the axle and U-beam screws.

13. Go through the new belt with the cleaning cloth to make sure it is free of dirt.

14. Pull the belt onto the belt wheel.



15. Rotate the heat exchanger to see that the belt is in its place and everything looks fine.

16. Vacuum clean the heat exchanger casing.

- Rotate the heat exchanger when you are vacuuming to be sure to clean everywhere.

17. Close the maintenance hatch.

18. Add some silicone onto the rubber strips outside the heat exchanger casing.

19. Place the heat exchanger back into the unit.

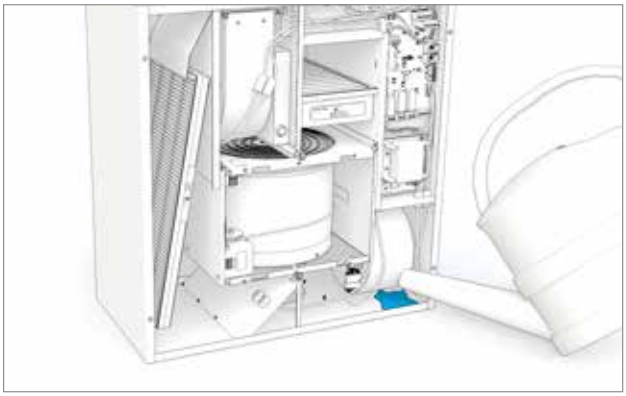
20. Reconnect the bayonet connector to the socket.

21. Reconnect the power.

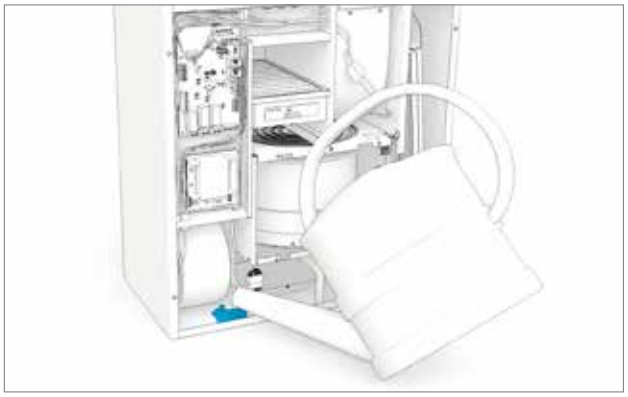
22. Make sure the heat exchanger rotates.

Adding water to the water trap (removal of the condensation water)

Left-handed model



Right-handed model



TROUBLESHOOTING

Problem	Reason	Help	Solution
FILS Service reminder	Normal reminder with 4 or 6 month intervals (depending on the unit model)		Change the filters and clean the unit from the inside and check if the unit is working.
Err Temperature sensor malfunction	The temperature sensor is short-circuited or there is a break in the connection.		Turn off the ventilation unit from the main switch, open the electrical box, and check that the quick couplings of the temperature sensors are connected. It is possible that the quick connectors have come loose during the installation of the unit. Contact a service representive.
oFFE Stop mode	The internal alarm of the heat pump unit is active.		Find out the status of the external control system. Contact a service representive.
AL1 The water heating coil is starting to freeze. NOTE! The ventilation unit does not start until the alarm state has been removed and the alarm has been reset by pressing any button on the control panel..	The heat exchanger belt has broken.	The heat exchanger has a green belt. Check the heat exchanger rotor from the belt's control hole. If the belt is not visible, it is broken.	Change the belt.
	The heat exchanger belt-wheel is oily and the belt is slipping	The heat exchanger has a green belt. Check the heat exchangers rotor from the belt's control hole if the belt wheel is rotating even if the heat exchanger rotor is not rotating.	Change the belt.
	The extract fan has stopped.	Open the service hatch when the unit is running. The extract fan needs to be on. With the LTR unit you must push down the door coupling with a screwdriver and check if the unit starts.	Change the fans. Contact a service representive.
	The extract filter is clogged.	Open the service hatch when the unit is not on. Remove the filters and check if they are dirty.	Change the supply air filter.
	The water heater's valve actuator is broken.		Contact a service representive.
	The circulating water pump has stopped.	Check if the heating/cooling circulation pump is on.	Start the pump, contact a service representive if the problem persists.
	Error in the heat exchanger motor/ gearbox	Open the service hatch while the unit is on and listen if the noise is coming from the heat exchanger.	Contact a service representive.
	The heat exchanger belt wheel has come loose from the axel.	Check the heat exchanger rotor from the belt control hole if the axel is rotating freely and the belt wheel is stationary.	Tighten the belt wheel screw. Contact a service representive.

Problem	Reason	Help	Solution
AL2 Supply air is cold after the rotary heat exchanger.	The heat exchanger belt has broken.	The heat exchanger has a green belt. Check the heat exchanger rotor from the belt's control hole. If the belt is not visible, it is broken.	Change the belt.
	The heat exchanger belt-wheel is oily and the belt is slipping	The heat exchanger has a green belt. Check the heat exchangers rotor from the belt's control hole if the belt wheel is rotating even if the heat exchanger rotor is not rotating.	Change the belt.
	Error in the heat exchanger motor/ gearbox	Open the service hatch while the unit is on and listen if the noise is coming from the heat exchanger.	Contact a service representive.
AL3 Supply air is cold	The extract fan has stopped.	Open the service hatch when the unit is running. The extract fan needs to be on. With the LTR unit you must push down the door coupling with a screwdriver and check if the unit starts.	Change the fans.
	The extract filter is clogged.	Open the service hatch when the unit is not on. Remove the filters and check if they are dirty.	Change the supply air filter.
	The ventilation unit runs with a too low fan speed.	The correct fan speed was chosen when the ventilation was balanced in your house. Check your ventilation installation sheet for the correct fan speeds.	Adjust the fan speed from the control panel. Contact a service representive.
	The ventilation is adjusted incorrectly.		Contact the company that has installed your ventilation unit and check if the houses airflow/valves has been adjusted correctly. Contact a service representive.
AL4 Supply fan malfunction	The supply air fan has stopped	Open the service hatch when the unit is running. The supply fan needs to be on. With the LTR unit you must push down the door coupling with a screwdriver and check if the unit starts.	Contact a service representive.
AL5 Extract fan malfunction	The extract fan has stopped.	Open the service hatch when the unit is running. The extract fan needs to be on. With the LTR unit you must push down the door coupling with a screwdriver and check if the unit starts.	Change the fans. Contact a service representive.

Problem	Reason	Help	Solution
AL6 The water heating coil is starting to freeze. NOTE! The ventilation unit does not start until the alarm state has been removed and the alarm has been reset by pressing any button on the control panel.	Insufficient isolation in the ducts.		Check the thickness of the insulation in the supply air and the extract air ducts and improve the insulation when required. Contact a service representive.
	The overheating protection of the afterheater has been activated		Find out what has caused the error and reset the over-heating protection (® button on the coil) Contact a service representive.
	The ventilation unit's door is open		Close the door. Contact a service representive.
	Low room temperature		Nosta huonelämpötilaa. Contact a service representive.
	TE-30 error int the temperature sensor		Contact a service representive.
AL7 Supply air hot. Risk of fire.	Error in the electrical after heater		Contact a service representive.
	The water heater's valve actuator is broken		Contact a service representive.
	TE-10 error in the temperature sensor		Contact a service representive.
	Fire risk		Contact a service representive.
AL8 Electrical re-heater or pre-heater overheating	Error in the electrical after heater		Contact a service representive.
	The supply air fan has stopped	Open the service hatch when the unit is running. The supply fan needs to be on. With the LTR unit you must push down the door coupling with a screwdriver and check if the unit starts.	Contact a service representive.
	The supply air filter is clogged	Open the service hatch when the unit is not on. Remove the filters and check if they are dirty.	Change the supply filter.
	The outside air grille is clogged	Check if there is something blocking the outside air grille.	Clean the outdoor air grille Contact a service representive.
	The heater controller card is broken		Replace the heater controller card Contact a service representive.

Enervent Pinion

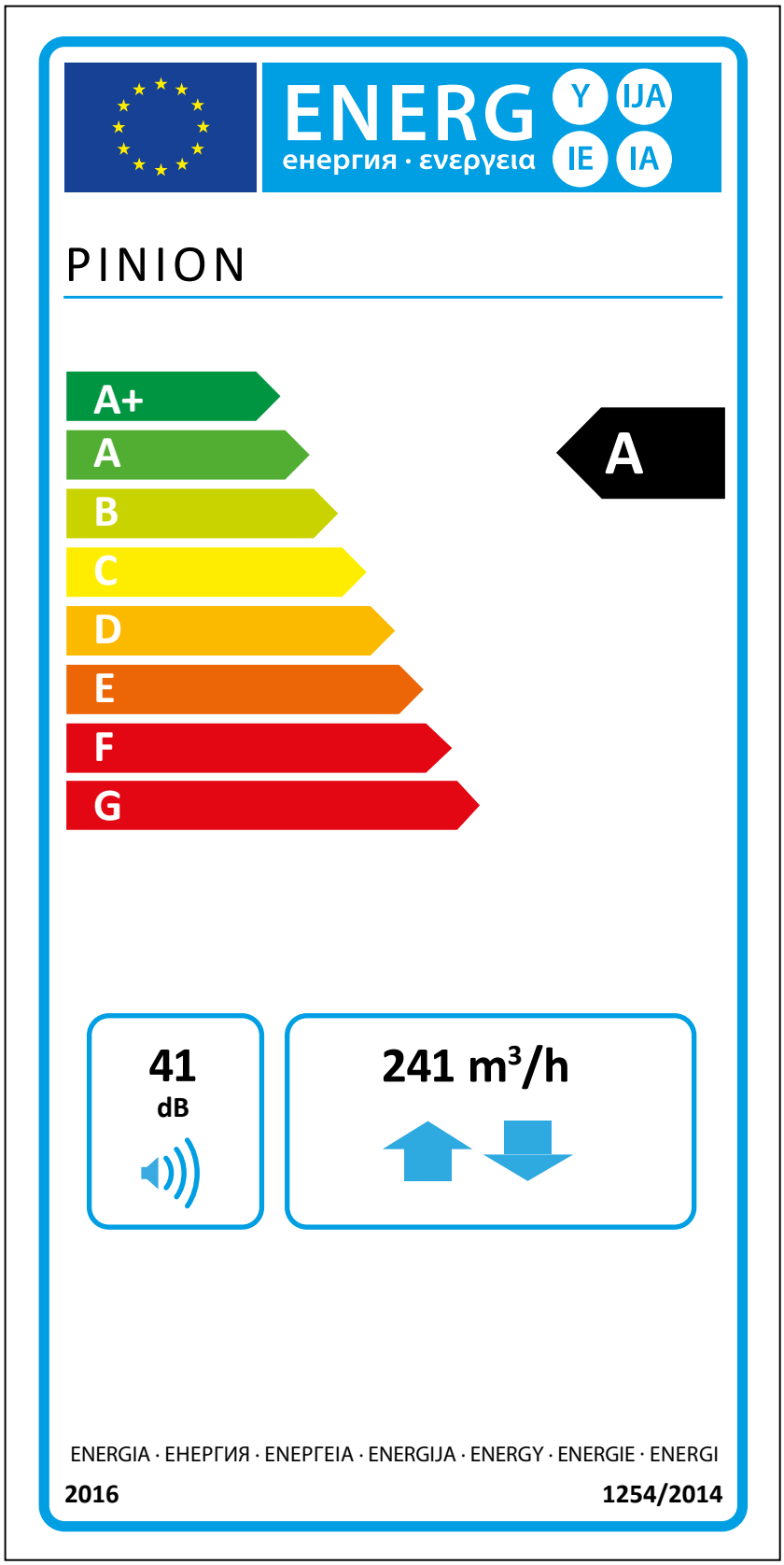
A

PRODUCT INFORMATION ACCORDING TO EU COMMISSION REGULATION NO 1253/2014 AND 1254/2014

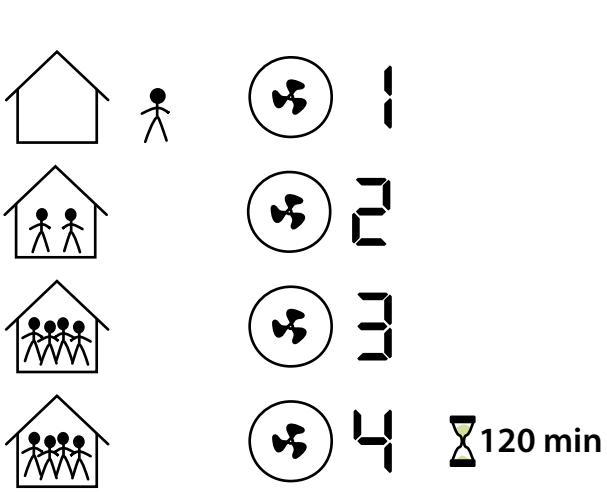
Supplier's name or trade mark	Enervent
Supplier's model identifier	Pinion
Specific energy consumption (sec) in kWh/(m^2.A)	
• Cold climate	-79,23
• Average climate	-37,32
• Warm climate	-13,31
Declared typology in accordance with article 2 of this regulation	RVU / BVU
Type of drive installed or intended to be installed	Multi-speed drive
Type of heat recovery system	Regenerative
Thermal efficiency of heat recovery	75,0
Maximum flow rate in m^3/h	241
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate (W)	166
Sound power level (L_{WA}), rounded to the nearest integer	40
Reference flow rate in m^3/s	0,047
Reference pressure difference in Pa	50
SPI in W/(m^3/h)	0,49
Control factor and control typology in accordance with the relevant definitions and classification in annex VIII, table 1	0,65
Declared maximum internal and external leakage rates (%) for bidirectional ventilation units	<4% / <2%
Position and description of visual filter warning for rvus intended for use with filters, including text pointing out the importance of regular filter changes for performance and energy efficiency of the unit	Filter warning on control panel. Instructions in user manual.
Internet address for disassembly instructions as referred to in point 3	www.enervent.com/company/mediacenter
The annual electricity consumption (AEC) (in kWh electricity/a)	260
The annual heating saved (AHS) (in kWh primary energy/a) for each type of climate	
• Cold climate	8574
• Average climate	4383
• Warm climate	1982

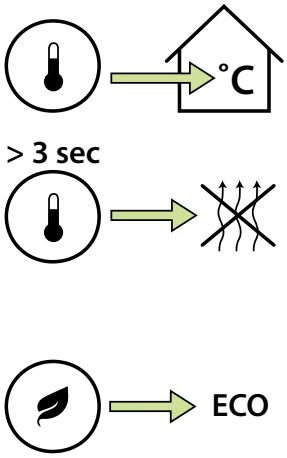
The information on the energy label for this product has been defined with local demand control. Local demand control means that the ventilation unit continuously regulates the fan speed(s) and flow rates based on more than one sensor. Please remember to connect all local sensors (some sold as extra equipment) in order to achieve the declared energy class.

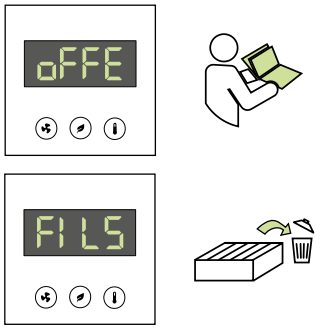
enervent


ENERG
Y
IJA
IE
IA
енергия · ενεργεια
PINION
A+
A
B
C
D
E
F
G
A
41
dB
241 m³/h
ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI
2016
1254/2014

Käyttäjän pikaopas
Snabbguide för användare
Hurtigveiledning for bruker
Quick reference guide for the user





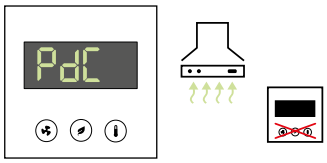


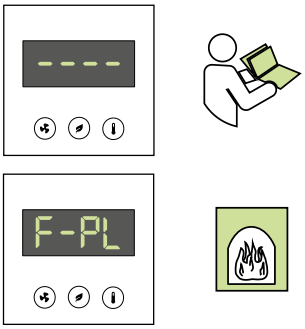
FI Kuittaa FILS huoltomuistus painamalla mitä tahansa eWind-ohjauspaneelin painiketta 5 s.

SVE Kvittera FILS-underhålls-påminnelsen genom att hålla valfri knapp intryckt i 5 sekunder på eWind-kontrollpanelen.

NO Bekreft FILS-påminnelsen om vedlikehold ved å trykke inn en tast på eWind-kontrollpanelet i 5 sekunder.

EN Acknowledge the FILS maintenance reminder by pressing any key on the eWind control panel for 5 seconds.



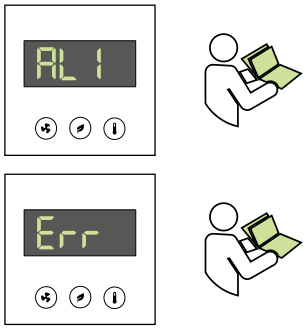


FI Paina Tila-painiketta 3 sekuntia. Näyttöön tulee ensin hetkeksi teksti on ja sitten F-PL. Jos laitteistoon on kytketty liesikupu, F-PL ei ole käytössä.

SVE Tryck på driftlägesknappen i 3 sekunder. "on" visas på skärmen i ett kort ögonblick, följt av "F-PL". F-PL används inte om en köksfläkt är ansluten till utrustningen.

NO Trykk på Modus-knappen i tre sekunder. Først vises teksten «på» en kort stund, og deretter vises teksten F-PL.
F-PL er ikke i bruk hvis en komfyrvifte er koblet til utstyret.

EN Press the Mode button for 3 seconds. First, the text 'on' will be displayed for a short period of time, and then the text 'F-PL' will be displayed.
The F-PL is not in use if a range hood has been connected to the equipment.



Enervent Zehnder Oy
Kipinätie 1
FIN-06150 Porvoo, Finland
Tel. +358 207 528 800
enervent@enervent.com
www.enervent.com

Frejagatan 8
SE-506 34 Borås, Sverige
Tel. +46 33-120 200
enervent@enervent.se
www.enervent.se

Exvent AS
Ringeriksvei 195
NO-1339 Vøyenenga, Norge
Tel. +47 67 10 55 00
exvent@exvent.no
www.exvent.no

EZ_USER INSTRUCTION, Pinion eWind, en, 02/2022, subject to change without notice