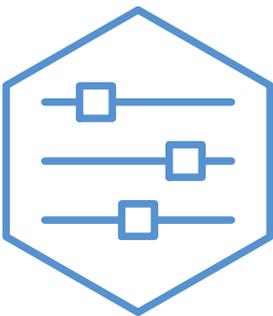


HRV unit

NIBE ERS S40



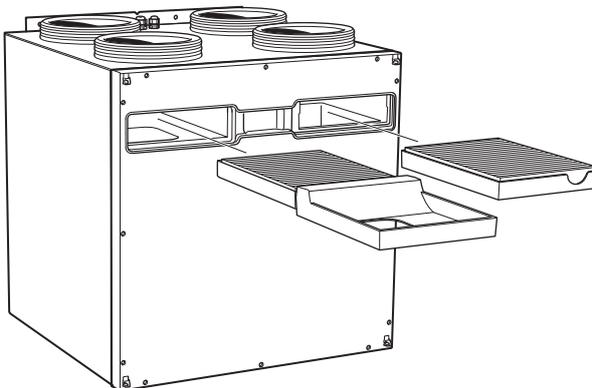
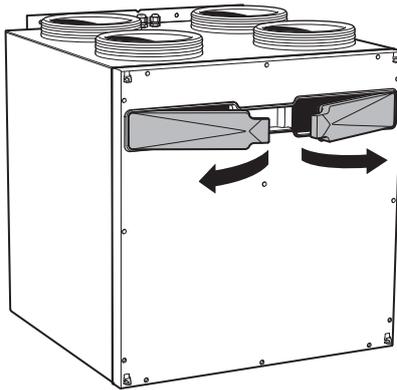
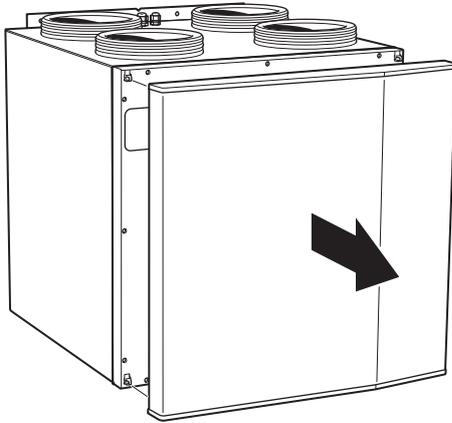


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Important information

Installation data

Product	ERS S40
Serial number	
Installation date	
Installer	

No.	Name	Fact. sett.	Set
7.1.4.1	Fan speed, exhaust air	75%	
7.1.4.2	Fan speed, supply air	60%	
7.2.11	Vent. heat exchanger (ERS) lowest extract air temp. bypass at excess temperature	5 °C 4 °C	

Serial number must always be given

It is hereby certified that the installation has been carried out in accordance with the instructions in the Installer manual and applicable regulations.

Date _____

Signed _____

Safety information

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

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SYMBOLS

Explanation of symbols that may be present in this manual.



NOTE

This symbol indicates danger to person or machine.

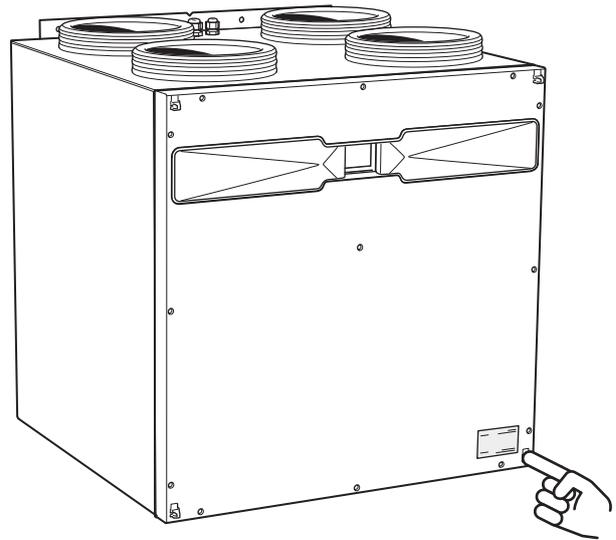


Caution

This symbol indicates important information about what you should observe when maintaining your installation.

Serial number

The serial number can be found at the bottom right, inside the front cover.



Caution

You need the product's serial number for servicing and support.

Compatible products

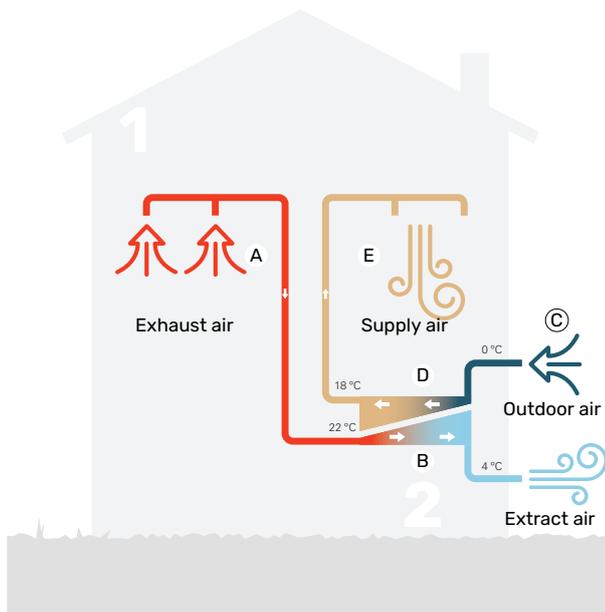
S-SERIES

- S1155
- S1255

- VVM S320
- VVM S325

- SMO S40

Function of the HRV unit



The temperatures are only examples and may vary between different installations and time of year.

An HRV unit is a ventilation heat exchanger that utilises the heat in the house's ventilation air to heat the incoming outdoor air. From the outgoing ventilation air (1), heating energy is recovered from the dwelling and transferred to the HRV unit. In the heat exchanger (2), the heat from the indoor air is transferred to the incoming outdoor air.

Ventilation air

- A** The hot air is transferred from the rooms to the HRV unit via the building's ventilation system using a fan.
- B** In the HRV unit, the air releases heat energy and the temperature drops significantly. The cold air is then blown out of the building.

Outdoor air

- C** The outdoor air is transferred to the HRV unit via the building's ventilation system.
- D** In the HRV unit, the air absorbs the heat energy and the temperature is raised.
- E** A fan blows the heated air into those rooms that have supply air inlets.

Maintenance of ERS S40

Regular checks

Your HRV unit requires minimal maintenance after commissioning. However, it is recommended that you check your installation regularly.

If something unusual occurs, messages about the malfunction, in the form of different alarm texts, appear in the main product display.

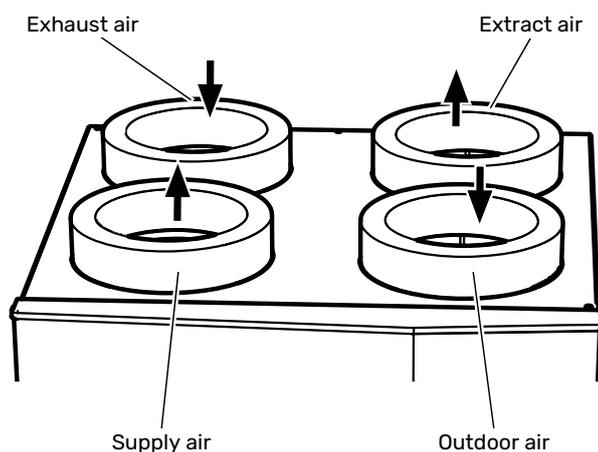


NOTE

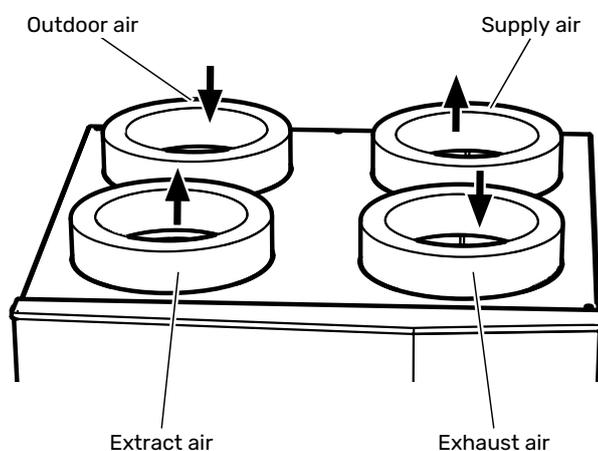
Always switch off the power and wait until the fans have stopped before opening ERS S40.

PHYSICAL CONFIGURATION

ERS S40 is supplied with exhaust air and supply air to the left, known as the left-handed version. The images in this manual show ERS S40 in the left-handed version, unless otherwise specified.



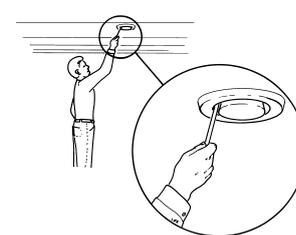
ERS S40 can be converted to a right-handed version if necessary, which means that exhaust air and supply air are connected to the right.



CLEANING THE VENTILATION DEVICES

The building's ventilation devices should be cleaned regularly with, for example, a small brush to maintain the correct ventilation.

The device settings must not be changed.



NOTE

If you take down more than one ventilation device for cleaning, do not mix them up.

REPLACING THE AIR FILTER

The filters in ERS S40 are of a type that should not be cleaned; they have to be replaced instead. These must be replaced regularly, although how often depends of factors such as the amount of particles in the ventilation air. Test to find out what is most appropriate for your installation.



Caution

The efficiency of the installation can be reduced by a dirty air filter.

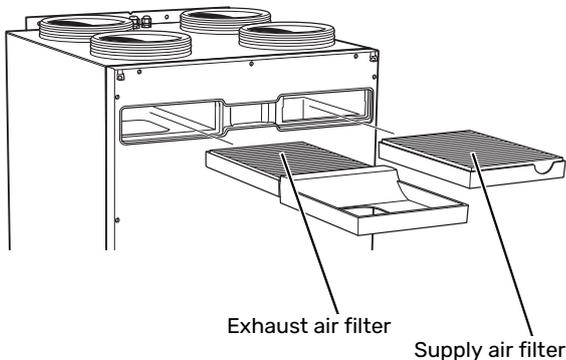
In the main product's display, you will receive a reminder to check the filters. The factory setting for reminders is every three months.

1. Switch off the main product with the on/off button.
2. Remove the front cover by pulling it towards you.
3. Remove the filters.
4. Check the condition of the filters and replace if needed.
5. Carry out assembly in reverse order.

Even if the filters look clean, dirt collects in them and this affects the efficiency of the filters. For this reason, replace them after approx. 1 years. New filters can be ordered via a dealer for NIBE.

Exhaust air filter: Coarse 65%

Supply air filter: ePM1 55%



Disturbances in comfort

In most cases, the main product notes a malfunction (a malfunction can lead to disturbance in comfort) and indicates this with alarms and shows action instructions in the display.

- Silencers not correctly installed.
 - Contact your installer!

Troubleshooting

If the operational interference is not shown in the display the following tips can be used:

BASIC ACTIONS

Start by checking the following items:

- That the main product is running and that the supply cable to ERS S40 is connected.
- Group and main fuses of the accommodation.
- The property's earth circuit breaker.

HIGH OR LOW ROOM TEMPERATURE

- The re-heater is not activated.
 - Contact your installer!

LOW OR A LACK OF VENTILATION

- The exhaust air filter and/or the supply air filter is clogged.
 - Replace the filters.
- The ventilation is not adjusted.
 - Order ventilation adjustment.
- Closed, too much choke or blocked ventilation device.
 - Check and clean ventilation valves (see page 7).
- Fan speed in reduced mode.
 - Enter the main product's menu 1.2.1 and select "Normal".
- External switch for changing the fan speed activated.
 - Check any external switches.

HIGH OR DISTRACTING VENTILATION

- The exhaust air filter and/or the supply air filter is clogged.
 - Replace the filters.
- The ventilation is not adjusted.
 - Order ventilation adjustment.
- Closed, too much choke or blocked ventilation device.
 - Check and clean ventilation valves (see page 7).
- Fan speed in forced mode.
 - Enter the main product's menu 1.2.1 and select "Normal".
- External switch for changing the fan speed activated.
 - Check any external switches.

Contact information

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