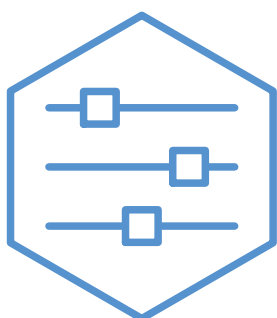
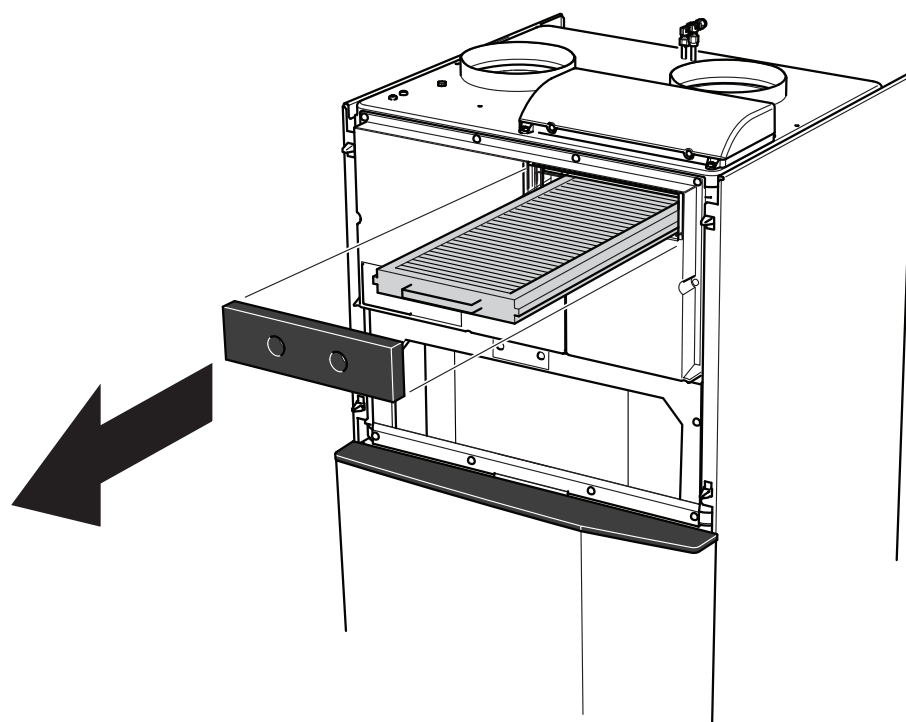
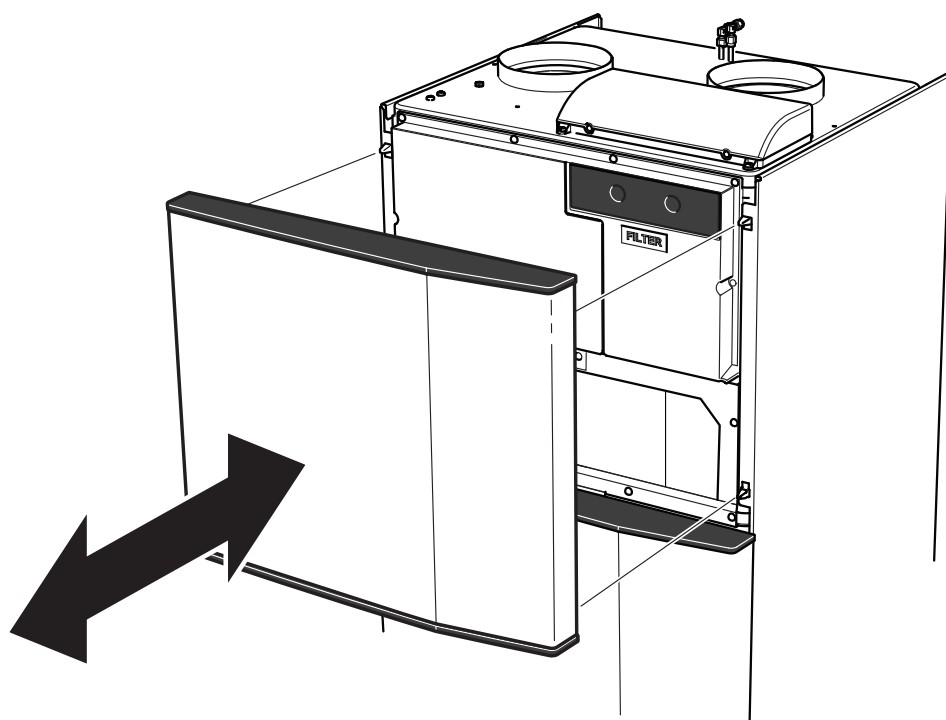


Supply air module

NIBE SAM S42/SAM S44





Important information

Installation data

Product	SAM S42/SAM S44
Serial number	
Installation date	
Installer	

No.	Name	Fact. sett.	Set
7.2.9	Supply air module (SAM)		
	Outdoor temperature T1	-15.0	
	Supply air temperature at T1	18.0	
	Outdoor temperature T2	0.0	
	Supply air temperature at T2	18.0	
	Outdoor temperature T3	15.0	
	Supply air temperature at T3	18.0	
7.1.4.2	Fan speed, supply air (Normal)	75%	

✓	Accessories
	Extra shunt group ECS 40/41

Serial number must always be given.

Certification that the installation is carried out according to instructions in the accompanying 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.



CAUTION!
This symbol indicates danger to person or machine.



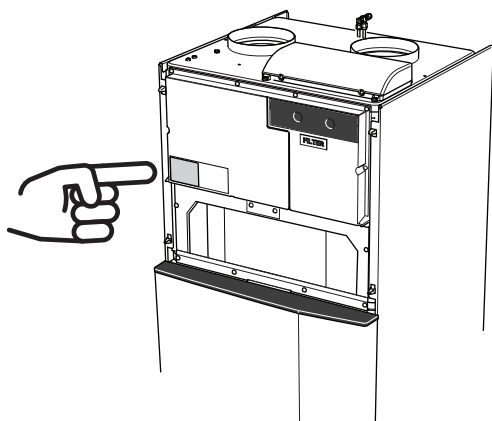
NOTE!
This symbol indicates important information about what you should observe when maintaining your installation.



TIP!
This symbol indicates tips on how to facilitate using the product.

Serial number

The serial number can be found to the left, inside the upper front cover.



NOTE!

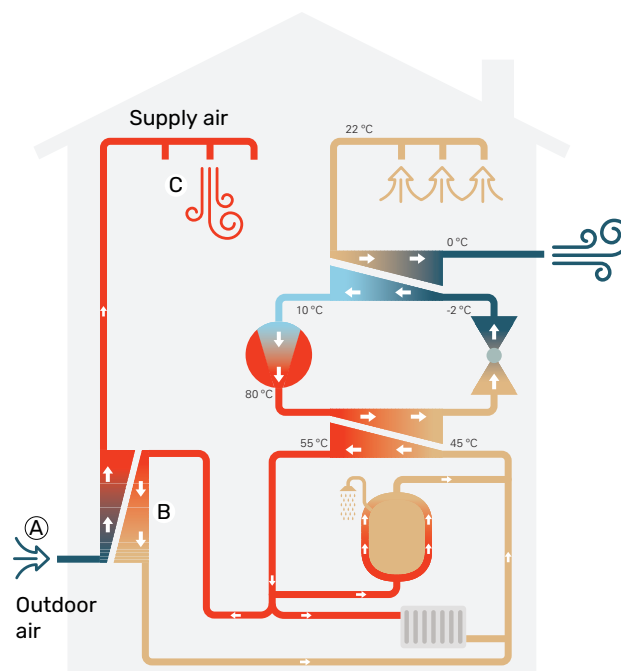
You need the product's (14 digit) serial number for servicing and support.

Compatible products

- S735
- S735C

The function of the supply air module

A supply air module utilises, via the heat pump, the heat in the building's ventilation air to heat up the incoming outdoor air.



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

Outdoor air

- A** The outdoor air is transferred to the supply air module via the house's ventilation system.
- B** In the supply air module, the air absorbs the heat energy and the temperature is raised.
- C** A fan blows the heated air (the supply air) into those rooms that have supply air valves.

Maintenance of SAM S42/SAM S44

Regular checks

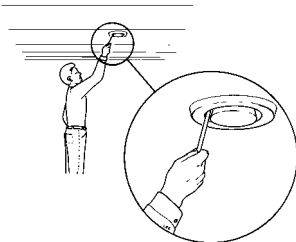
Your supply air module requires minimal maintenance after commissioning. On the other hand, it is recommended that you check your installation regularly.

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

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.



CAUTION!

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

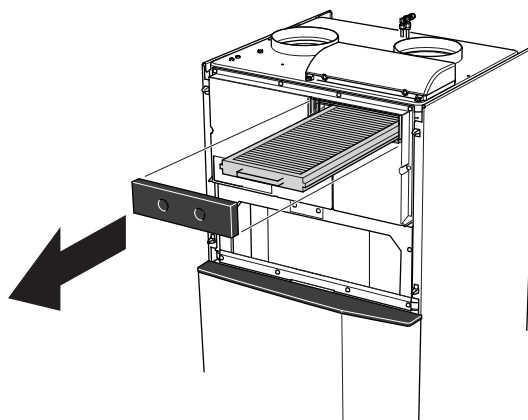
REPLACING THE AIR FILTER

The filter in SAM S42/SAM S44 is of a type that should not be cleaned, but has to be replaced instead. Replacement must be performed regularly, at least once a year. More frequent intervals may be necessary, depending on the quantity of particles in the air as well as other environmental factors. Test to find out what is most appropriate for your installation.

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

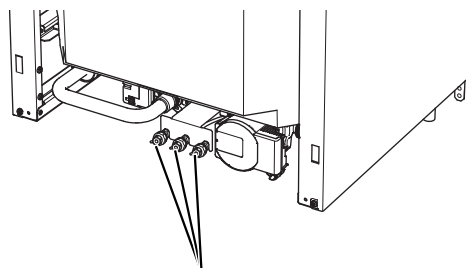
1. Follow the instructions in the start guide.
2. Remove the front hatch by pulling it straight out.
3. Pull out the filter.
4. Check the condition of the filter and replace if needed.
5. Carry out assembly in reverse order.

Even if the filter looks clean, dirt collects in it and this affects the efficiency of the filter. For this reason, replace the filter at least once a year. A new filter can be ordered via a dealer for NIBE or at nibe.eu.



VENTING

Vent SAM S42/SAM S44 by opening one vent valve at a time, until water comes out. Then close the valve again.



Bleed valves

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.

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 heat pump is operating and the supply cable to SAM S42/SAM S44 is connected.
- Group and main fuses of the accommodation.
- The property's earth circuit breaker.

LOW HOT WATER TEMPERATURE OR A LACK OF HOT WATER

- The heat pump has temporarily prioritised supply air ventilation to prevent too low temperatures in the supply air coil.

LOW OR A LACK OF VENTILATION

- Supply air filter clogged.
 - Change the filter.
- The ventilation is not adjusted.
 - Order ventilation adjustment.
- Supply air device closed, blocked or throttled down too much.
 - Check the supply air inlets.
- Fan speed in reduced mode.
 - Enter menu 1.2.1 - "Fan speed" and select "Normal"
- External switch for changing the fan speed activated.
 - Check any external switches.
- Closed external freeze protection damper.
 - Check external freeze protection damper.

HIGH OR DISTRACTING VENTILATION

- Supply air filter clogged.
 - Change the filter.
- The ventilation is not adjusted.
 - Order ventilation adjustment.
- Supply air device closed, blocked or throttled down too much.
 - Check the supply air inlets.
- Fan speed in forced mode.
 - Enter menu 1.2.1 - "Fan speed" and select "Normal"

- External switch for changing the fan speed activated.
 - Check any external switches.
- Silencers not correctly installed.
 - Contact your installer!

LOW SUPPLY AIR TEMPERATURE

- Air in the heating system.
 - Venting SAM S42/SAM S44. See section Venting.
- Incorrectly set values for the supply air temperature.
 - Contact your installer!

HIGH SUPPLY AIR TEMPERATURE

- Incorrectly set values for the supply air temperature.
 - Contact your installer!

Contact information

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