

OPERATION MANUAL

Condair HumiLife - The flexible room solution
Condair MN

Thank you for choosing Condair

Installation date (MM/DD/YYYY):

Commissioning date (MM/DD/YYYY):

Site:

Model:

Serial number:

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1 Introduction

1.1 First things first!

Thank you for choosing the **Condair MN**.

The Condair MN has been built using state-of-the-art technology and in accordance with the latest safety regulations. However, improper installation and use of the Condair MN may put users and/or third parties at risk and may also cause damage to material assets.

To ensure safe, proper and cost-efficient operation of the Condair MN, please observe and comply with all information and safety instructions in this documentation and in the instructions to the components built into the humidifier system.

Should you have any questions after reading these instructions, please contact your local Condair representative. They will be pleased to help you.

1.2 Notes on the operation manual

Delimitations

The subject of this operation manual is the Condair MN in its different versions. The options and accessories are only described insofar as this is necessary for proper operation of the equipment. Further information on options and accessories can be obtained in the respective instructions.

The information in these operating instructions is limited to the operation of the Condair MN in daily operation and is aimed at the operating personnel of the customer who have been instructed in this work

This operation manual is supplemented by various separate items of documentation (e.g. spare parts list), which are included in the delivery as well. Where necessary, appropriate cross-references are made to these publications in the operation manual.

Symbols used in this manual



CAUTION!

The catchword "CAUTION" used in conjunction with the caution symbol in the circle designates notes in this operation manual that, if neglected, may cause **damage and/or malfunction of the unit or damage to property**.



WARNING!

The catchword "WARNING" used in conjunction with the general caution symbol designates safety and danger notes in this operation manual that, if neglected, may cause **injury to persons**.



DANGER!

The catchword "DANGER" used in conjunction with the general caution symbol designates safety and danger notes in this operation manual that, if neglected, may lead to **severe injury or even death of persons**.

Storage

Please keep this operation manual in a safe place, where it can be immediately accessed. If the equipment changes hands, the documentation must be passed on to the new operator.

If the documentation gets misplaced, please contact your Condair representative.

Language versions

This operation manual is available in other languages. Please contact your Condair representative for information.

2 For your safety

General

All persons tasked to perform work on the Condair MN must read and ensure they have understood the planning and installation instructions as well as the operating manual for the Condair MN before starting work.

An understanding of the content of these planning and installation instructions and the operating manual is a basic prerequisite for protecting personnel from danger, avoiding improper installation and operating the device safely and properly.

All pictograms, signs and markings applied to the Condair MN components must be observed and kept in a clearly legible condition.

Personnel qualifications

All work described in this operating manual may only be carried out by trained and suitably qualified staff **authorised by the operator**.

For safety and warranty reasons any action beyond the scope of this manual must be carried out only by qualified personnel authorised by Condair.

It is assumed that all persons working with the Condair MN are familiar and comply with the appropriate regulations on work safety and the prevention of accidents.

The Condair MN can be used by children aged 8 years and over as well as by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, if they are supervised by a suitably trained person or have been instructed in the safe use of the device and do understand the resulting dangers. Children must not play with the device. Cleaning and maintenance work must not be carried out by children without supervision.

Intended use

The Condair MN is intended only for direct air humidification of rooms within the specified operating parameters. Any other use without the written permission of Condair is deemed to be improper use and can render the Condair MN hazardous. In the event of improper use, any warranty claim will expire.

Operation of the equipment in the intended manner requires **that all the information contained in this operation manual are observed (in particular the safety instructions)**.

Hazards that may arise from the Condair MN:



DANGER!

Risk of electrocution

The Condair MN's central unit runs on mains power. **If the central unit is open, live parts may be touched. Touching live parts may cause severe injury or death.**

Prevention: the central unit must be switched off and disconnected from the mains power supply (remove the plug from the socket) before the central unit is opened.



Warning!

Risk of contamination of the system

If the Condair MN is switched off, there is a risk of the water supply line and the internal water system becoming contaminated because the water system is no longer flushed regularly.

Prevention: After commissioning the Condair MN must not be switched off. This ensures that the water system is flushed at regular intervals and that contamination is counteracted.

Preventing hazardous operating conditions

If it is suspected that **safe operation is no longer possible**, the Condair MN should immediately **be shut down and secured against accidental power-up. Then, contact the Condair representative.** This can be the case under the following circumstances:

- if components of the Condair MN are damaged
- if the electrical installations are damaged
- if the Condair MN is no longer operating correctly
- if connections and/or piping are not sealed

All persons working with the Condair MN must report any alterations to the unit that may affect safety to the Condair representative.

Unauthorized modifications to the device

No additions or modifications may be made to the Condair MN without the written permission of Condair.

3 Operation

The Condair MN can either be operated locally via the control on the central unit (see [Section 3.1](#)) or remotely via the HumiLife-App (see [Section 3.2](#)). Local operation is given priority over remote control.



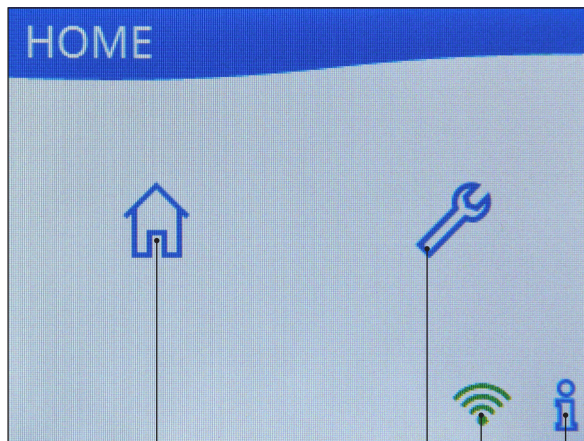
Warning!
Risk of contamination of the system

After commissioning the Condair MN must not be switched off or disconnected from the power supply. This ensures that the water system is flushed at regular intervals and that contamination is counteracted.

3.1 Local operation of the system via the control of the central unit

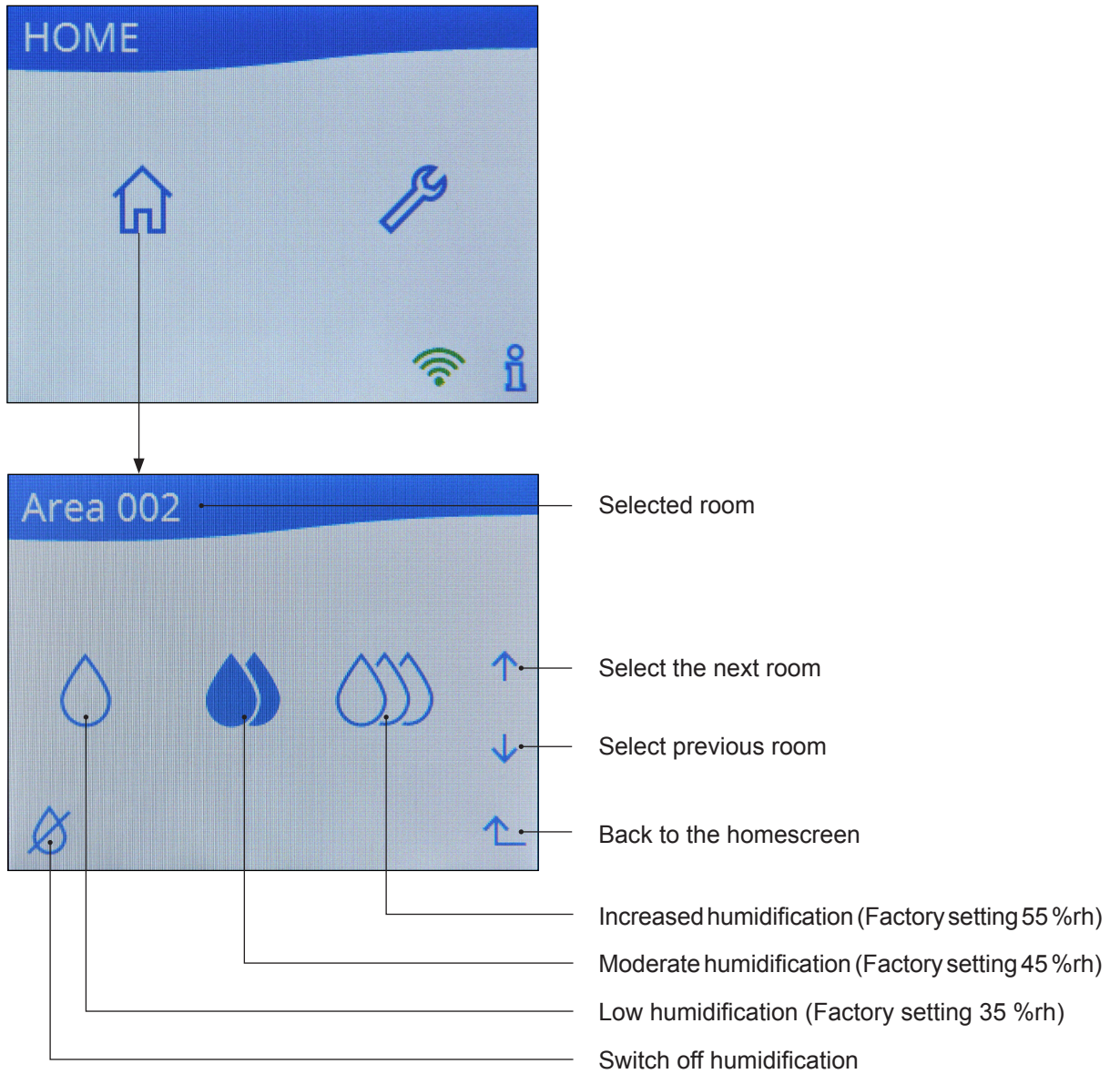
3.1.1 Waking up the display

After 30 seconds without operation, the display on the central unit goes out. The display can be reactivated at any time by tapping on it. The homescreen is then displayed.

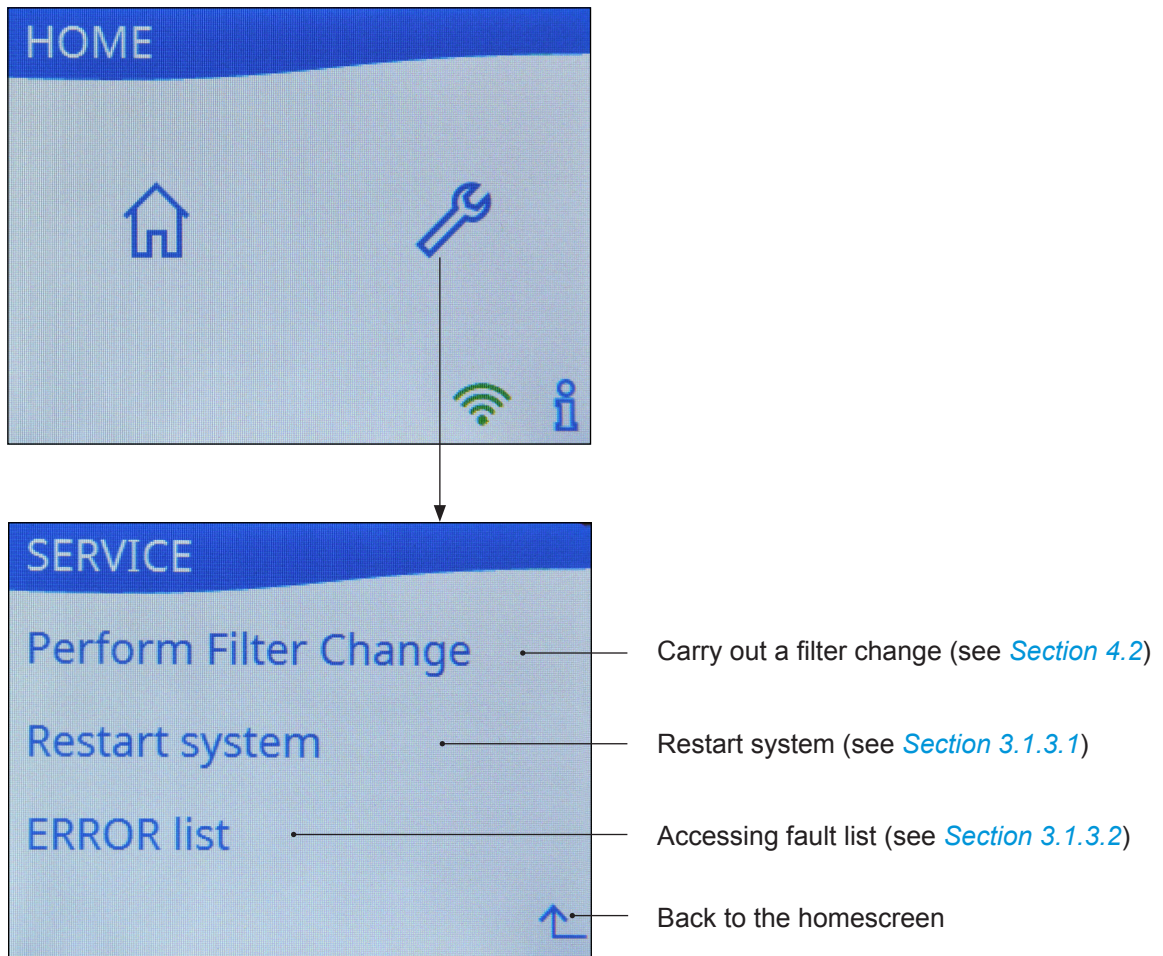


- Accessing info screen
- Network connection status indication
 - symbol lights green:
Connection to LAN gateway available
 - symbol lights red:
No connection to LAN gateway
- Accessing service functions
- Accessing humidification setting

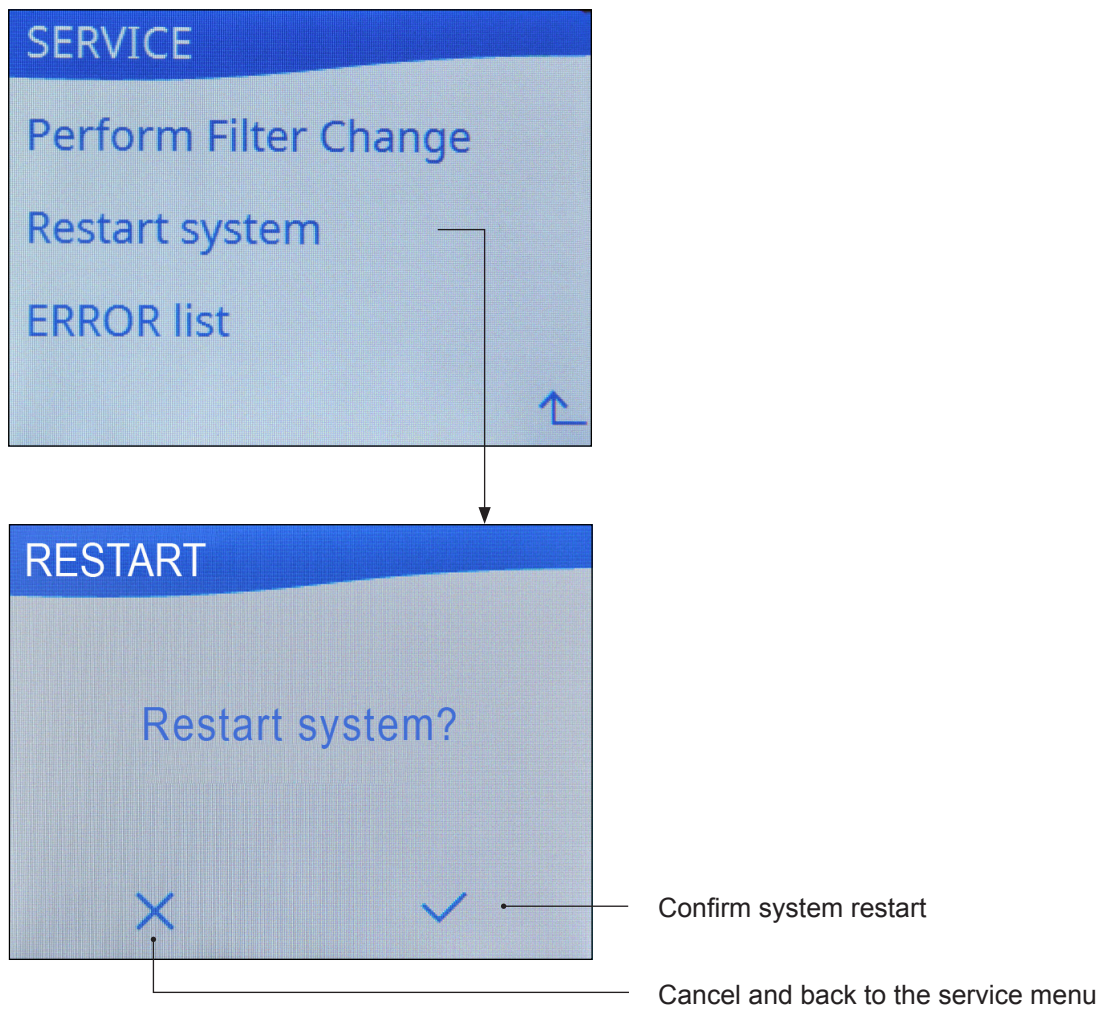
3.1.2 Setting the humidification of the individual rooms



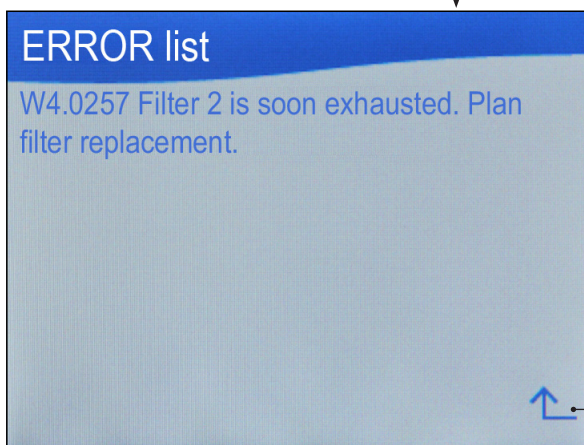
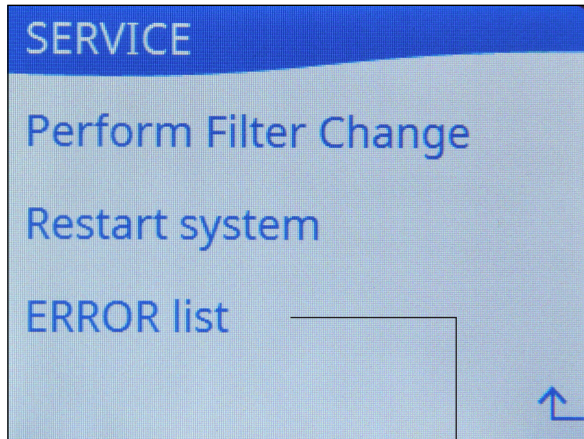
3.1.3 Service functions



3.1.3.1 Restarting the system

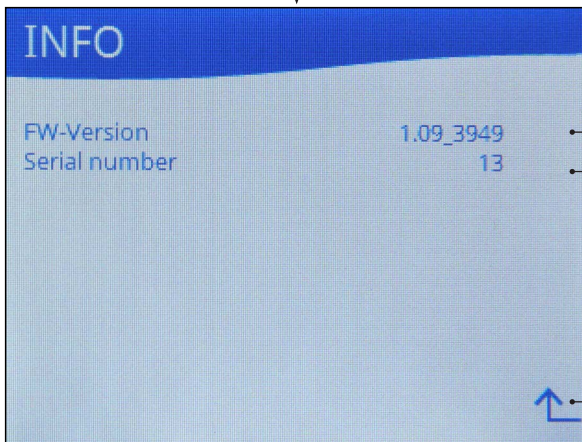
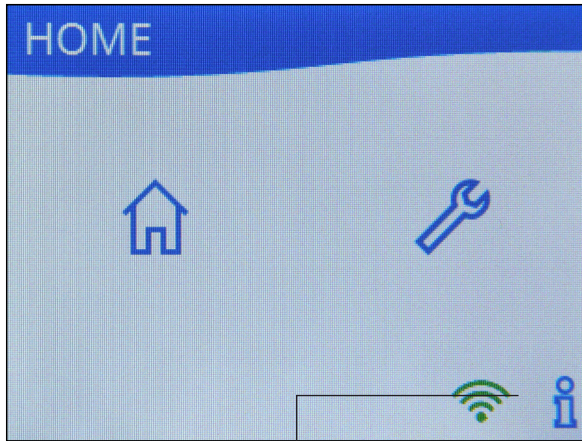


3.1.3.2 Accessing the fault list



Close the window and return to the service menu

3.1.4 Accessing info screen



- Current firmware version
- Serial number of the Condair MN
- Back to the homescreen

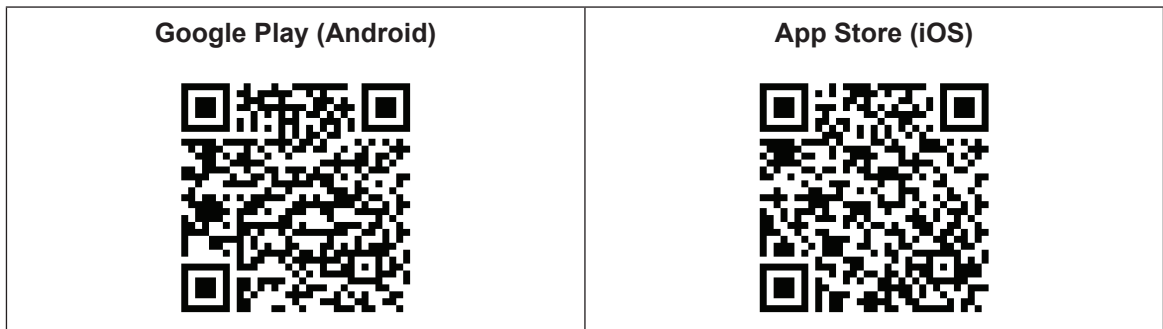
3.2 Remote control of the Condair MN via the HumiLife-App

The following description of how to use the HumiLife-App assumes:

- that when your Condair MN has been commissioned the HumiLife-App was installed on your mobile device and a user account (with your e-mail address and password) was created and that your Condair MN was correctly registered in the cloud and assigned to your user account. If not, please contact your Condair representative
- that the Condair MN is in operation.

If for any reason the HumiLife-App has been deleted from your mobile device or you want to install the HumiLife-App on a new mobile device, proceed as follows:

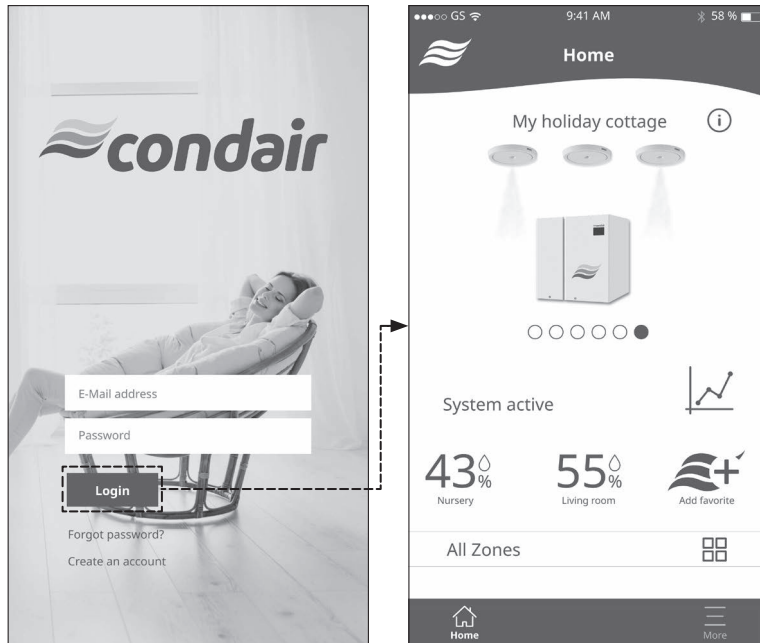
1. Download the Condair HumiLife-App from the App Store (iPhone) or the Google Play Store (Android). Use the camera or QR scanner on your mobile device and take a photo or scan the QR code to go to Google Play (Android) or the App Store (iOS).



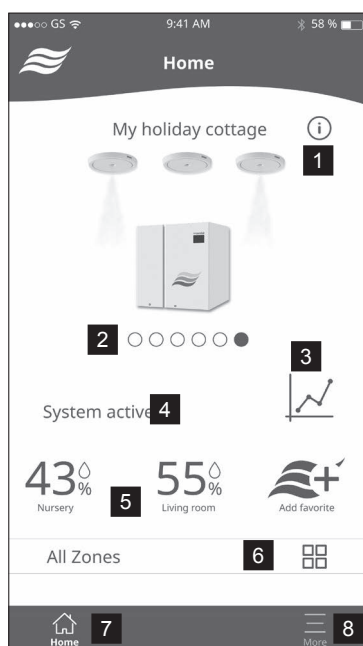
2. Then install the HumiLife-App on your mobile device.

3.2.1 Starting the HumiLife-App

1. Start the HumiLife-App on your mobile device. The login screen appears.
3. Enter your username (e-mail address) and password. Confirm your entries by pressing the <Login> button. The HumiLife-App home screen appears.
Note: If you have forgotten the password, press the <Forgot password?> button. You will then be guided step by step through the process of setting a new password
4. If you manage several devices via your user account, select the desired MN device (see operating the home screen in [Section 3.2.2](#)).



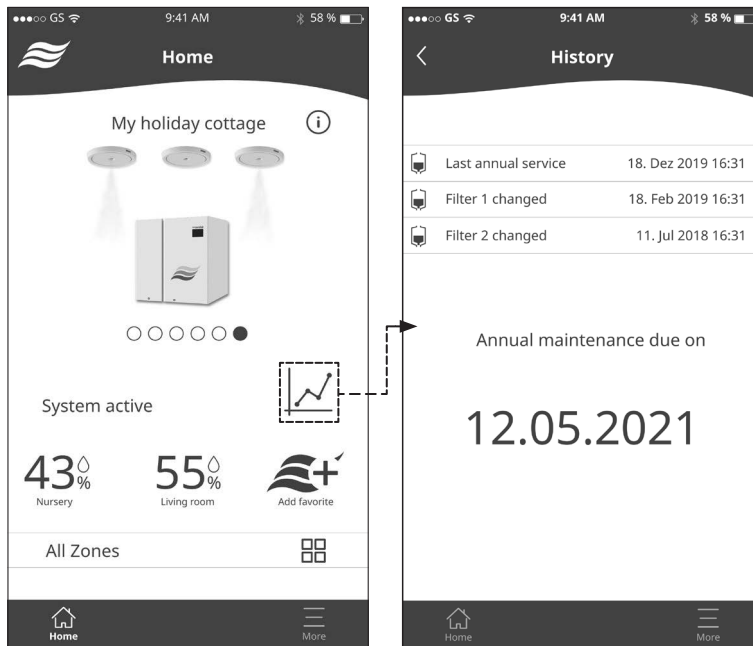
3.2.2 Operating the home screen



- 1 Aufruf des Hilfe-Bildschirms (enthält Informationen zur Bedienung des Homescreens)
- 2 Auswahl des Geräts, das gesteuert werden soll
- 3 Aufruf Wartungsinformationen (see [Section 3.2.3](#)).
- 4 Systemstatus (System aktiv oder System Error)
- 5 Favoriten (Zonen)
- 6 Aufruf Zonenübersicht
- 7 Aufruf des Homescreens (dieser Bildschirm)
- 8 Aufruf des Menüs "Benutzereinstellungen"

3.2.3 Query maintenance information

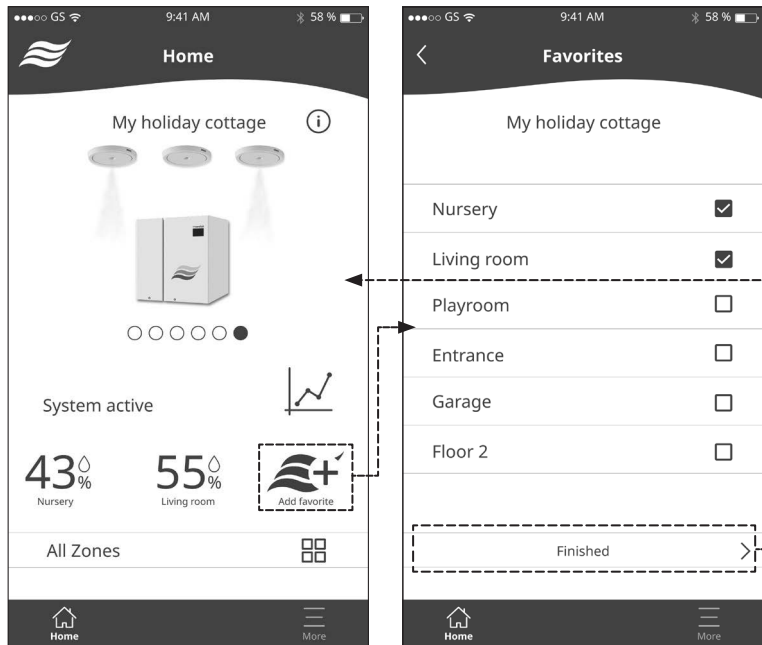
Press the graphics icon on the home screen. The maintenance information screen appears (figure on right). The maintenance history (maintenances carried out) as well as the remaining time until the next maintenance (e.g. annual maintenance, filter change, etc.) are displayed here.



3.2.4 Define zones as favorites

Individual or all zones can be added as favorites for direct access to the zone control on the home screen.

- To do this, press the **<Add favorite>** button. The favorite selection screen appears (figure on the right).
- Select or deselect the zones you want to appear or not appear as favorites on the home screen.
- Confirm the selection by pressing the **<Finished>** button. The app returns to the home screen.

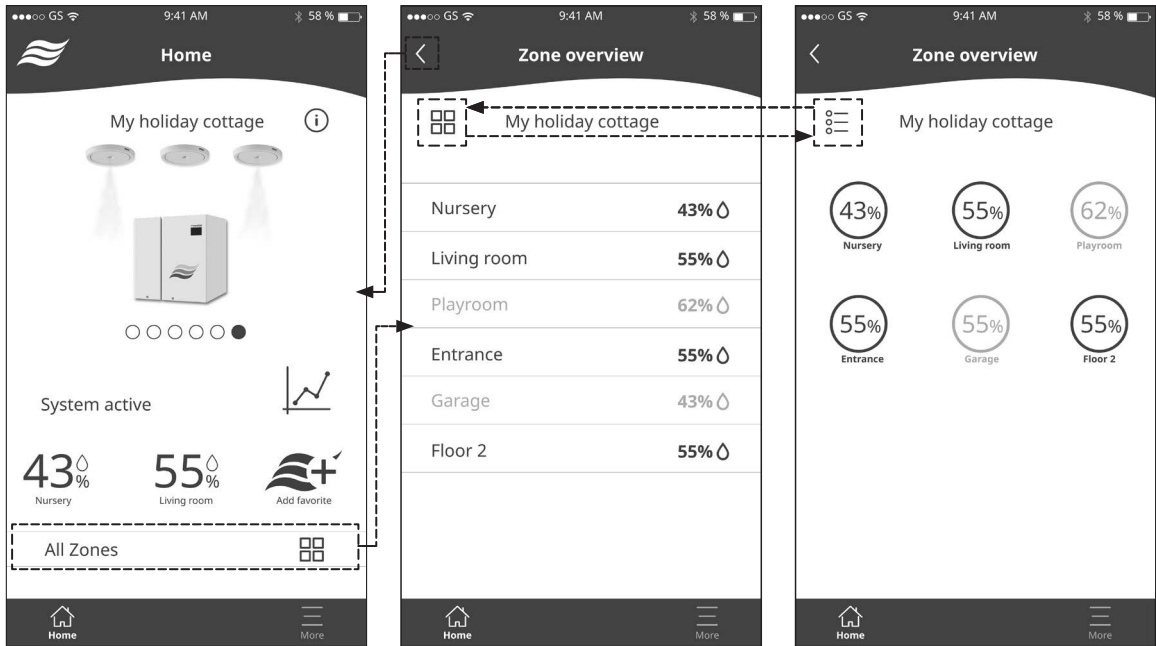


- You can then access the zone control of a zone directly using the corresponding favorites button on the home screen (zone control see [Section 3.2.6](#)).

3.2.5 Zone overview

- On the home screen, press the **<All Zones>** button. The zone overview screen appears. The current humidity value is displayed for each zone.

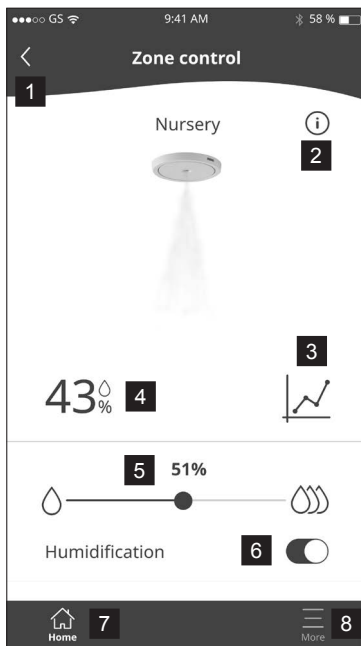
Grayed out zones indicate that humidification is turned off in these zones.



- By pressing the button at the top left of the zone overview, you can switch between list view and icon view of the zone overview.
- By pressing the button of a zone in the list view or the icon view, you access the zone control of the corresponding zone (zone control see [Section 3.2.6](#)).

3.2.6 Zone control

- Access the zone control of the desired zone via the corresponding favorites button (see [Section 3.2.4](#)) or via the zone overview (see [Section 3.2.5](#)). The Zone Control screen for the selected zone appears. Here you have the following options:

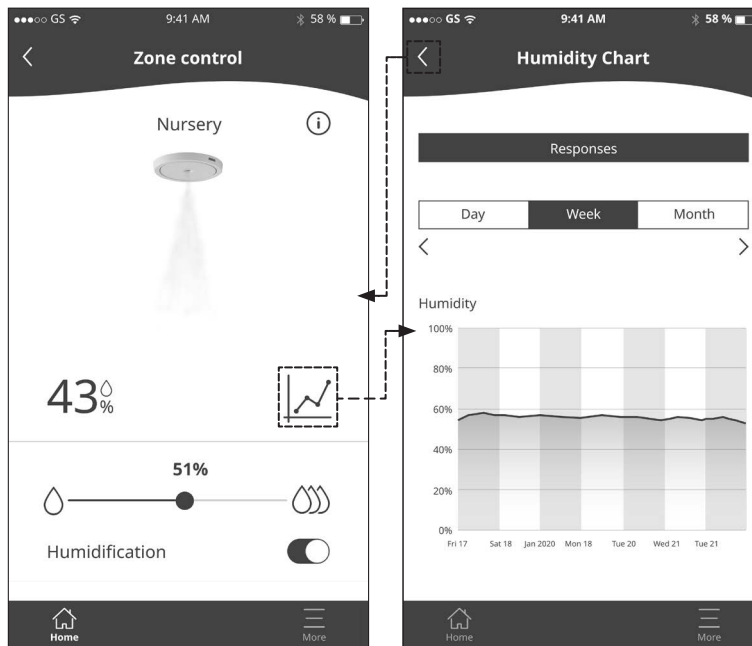


- 1 Back to the zone overview or back to the home screen.
- 2 Accessing the help screen (contains information on using the "Zone control" screen).
- 3 Accessing the humidity profile of the zone (see [Section 3.2.6.1](#)).
- 4 Actual measured humidity value of the zone in %rh.
- 5 Slider for setting the humidity setpoint of the zone in %rh..
- 6 Switching humidification of the zone on and off
Note: When the humidification is switched off, the spray head(s) in the corresponding zone are emptied.
- 7 Accessing the home screen (this screen)
- 8 Accessing the "User Settings" Menu

3.2.6.1 Query the humidity profile of a zone

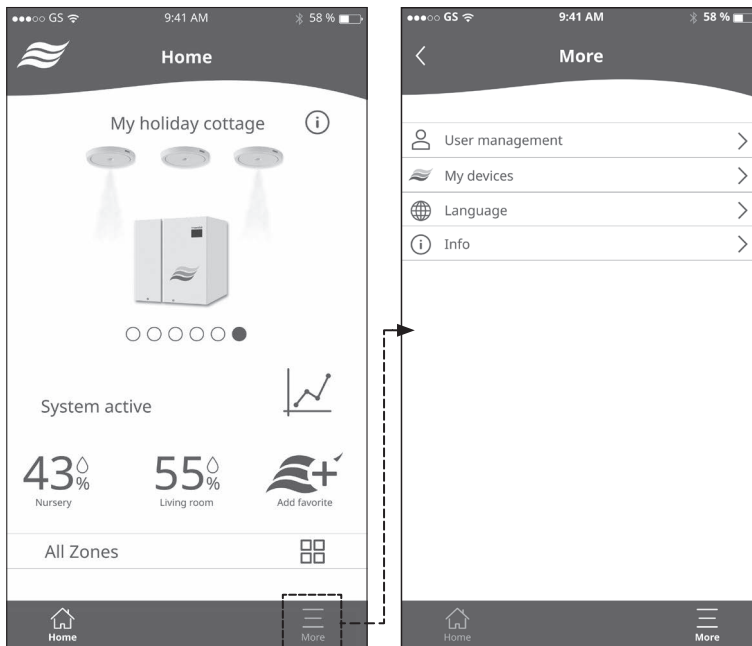
On the "Zone control" screen of the selected zone, press the graphic icon. The graphic of the humidity profile appears (figure on the right). Here you can:

- Use the **<Day>**, **<Week>** and **<Month>** buttons to display the graphical progression of the humidity value in% RH for the current day, the current week or the current month.
- Pressing the **<Left Arrow>** button at the top left of the screen will return you to the "Zone control" screen.

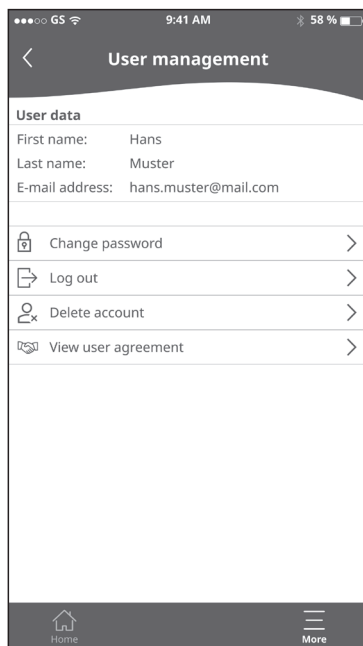


3.3 User settings

Press the **<More>** button on the home screen. The user menu appears.

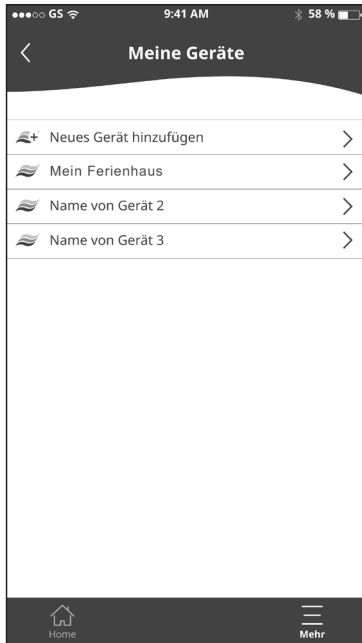


- Under "User management" you can:

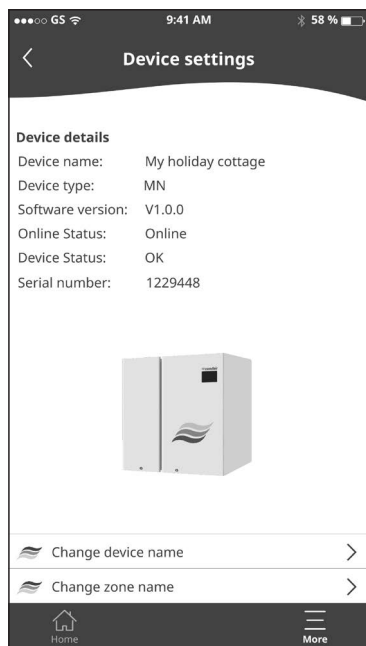


- View the details of your user account.
- Change the user password.
- Log out.
- Delete the user account.
- View the terms and conditions.

- Under "My devices" you ca:



- Add a new device to your account. Please contact your Condair representative in this behalf.
- Select a device from the list of devices in your account. Then the screen with the device settings and other functions appears. Here you can:



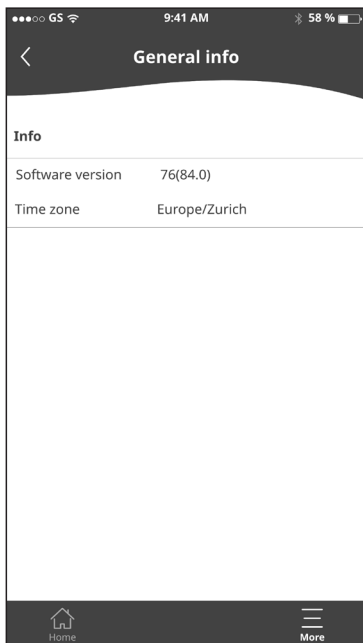
- View the current device data (see figure above).
- Change and save the device name.
- Change and save the zone names.
- Order spare parts.

- Under "Language":



- Change the dialog language of the HumiLife-App.

- Under "Info":



- View the current software version of the HumiLife-App and information about the time zone.

4 Servicing the system

4.1 Notes on service / service intervals

To ensure that the requirements for the hygienic operation of the Condair MN in accordance with VDI 6022, sheet 6 are met, the Condair MD system must be serviced by authorized service specialists at regular intervals. The service is regulated in a corresponding service contract.

- Systems without a certificate: **yearly service**
- Systems with DGUV certificate "Optimized air humidification": **semi-annual service**

For VDI-certified systems, the personnel must meet the following qualifications:

- For general installation, maintenance and inspection work:
Completed training according to **VDI 6022 Sheet 6, Qualification category B**
- For hygiene-relevant work during planning, installation, commissioning, operation and maintenance as well as for hygiene inspections:
Completed training according to **VDI 6022 Sheet 6, Qualification category A**

Condair arranges and carries out the annual or semi-annual service. After completion, the service must be documented in the customer's service log.

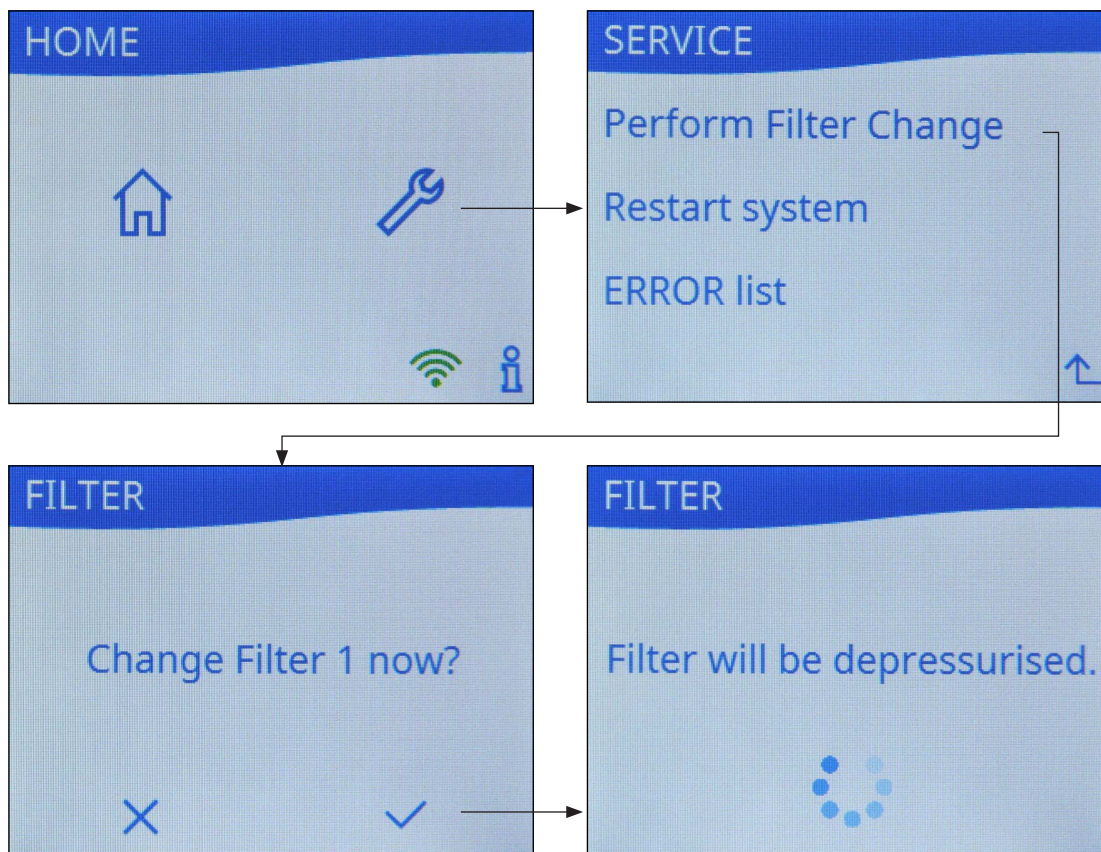
The annual or semi-annual service includes the following work:

- Taking water samples
- Checking of the components
- Checking system functionality
- Replacement of wear parts (if necessary)

4.2 Replacement of the water filter(s)

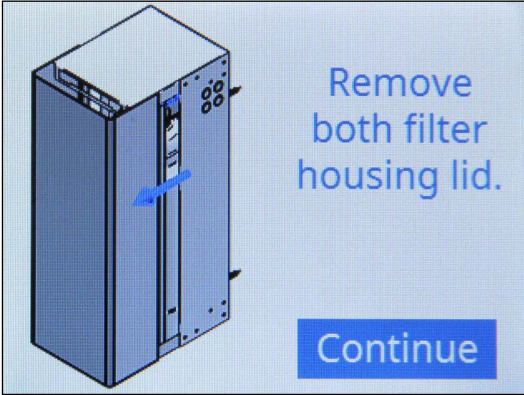
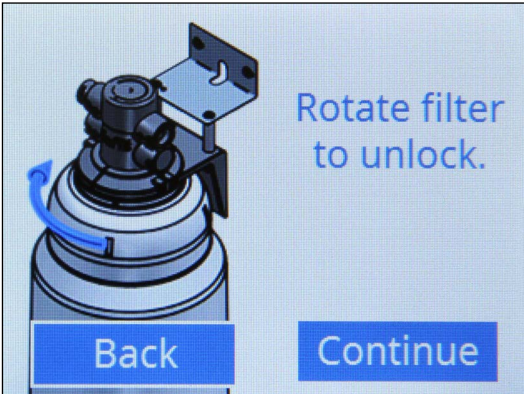
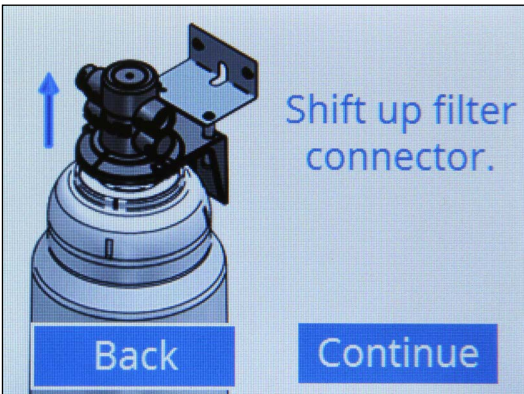
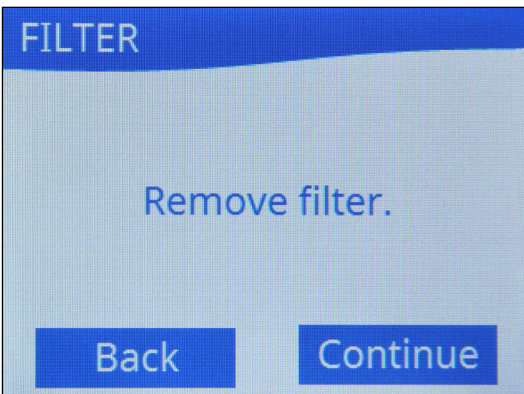
The frequency for replacing the water filter (s) depends on the water quality. The service life of the filters is continuously monitored by the control software of the Condair MN. As soon as the message "Replace filter" appears on the display, the water filter(s) must be replaced. Proceed as follows:



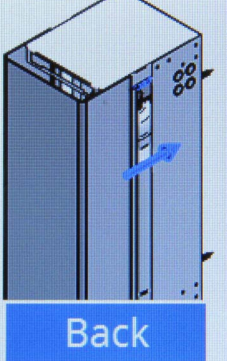
1. In the "Service" menu, select the "Perform Filter change". You will then be asked whether you want to change the filter now. Press the <✓> button. The system is being prepared for the filter change.
Note: If your system is equipped with two filters, the filter change for both filters must be confirmed.

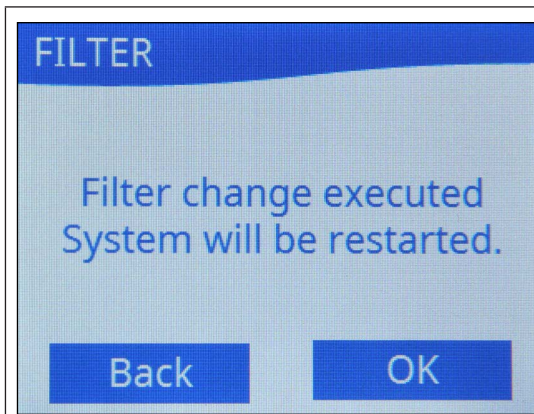


2. You will now be guided through the filter change step by step with corresponding messages and images on the display.

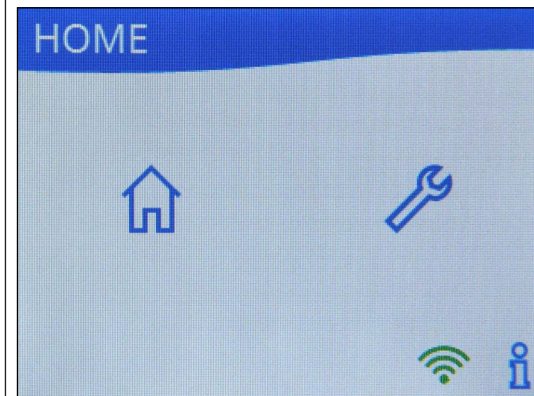
Note: If your system is equipped with two filters, always carry out the respective steps on both filters.

Message	Action
	<ul style="list-style-type: none"> • If your system is equipped with water filters in the housing, remove the housing lid(s). • Press the <Continue> button.
	<ul style="list-style-type: none"> • Turn the filter cartridge clockwise until it stops. • Press the <Continue> button.
	<ul style="list-style-type: none"> • Push the filter adapter upwards as far as it will go. • Press the <Continue> button.
	<ul style="list-style-type: none"> • Remove the old filter cartridge. • Press the <Continue> button.

<p>FILTER</p> <p>Insert new filter.</p> <p>Back Continue</p>	<ul style="list-style-type: none"> Place the new filter cartridge under the filter adapter so that the label faces forward and the notch in the filter cartridge is located under the left groove on the filter adapter. Press the <Continue> button.
 <p>Shift down filter connector.</p> <p>Back Continue</p>	<ul style="list-style-type: none"> Push the filter adapter down and at the same time turn the filter cartridge counterclockwise. Turn the filter cartridge counterclockwise until it stops. Press the <Continue> button.
 <p>Rotate filter to interlock.</p> <p>Back Continue</p>	
 <p>Close filter housing lid.</p> <p>Back Continue</p>	<ul style="list-style-type: none"> Reattach the lid(s) of the filter housing(s). Press the <Continue> button.



- Press the **<OK>** button. The Condair MN is started and is ready for use again after approx. 20 minutes. The homescreen is displayed.



Notes

Notes

CONSULTING, SALES AND SERVICE:



CH94/0002.00

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The Condair logo, consisting of a stylized wave symbol followed by the word 'condair' in a bold, lowercase, sans-serif font.