erlab

You can breathe.

User Manual

HALO P Smart

Professional Room Air Purifiers

COMPLIANT WITH

GAS OR PARTICULATE

FILTRATION STANDARDS*

ECOLAB®

Thank you for purchasing the HALO P Smart air purifier from Erlab. This unit has been manufactured by the Asian subsidiary of the French Erlab Group, Kunshan Erlab DFS Co., located in Kunshan city, Jiangsu Province - P.R. China.

Your HALO P unit(s) is / are now installed. This user manual is designed to guide you how to set it / them up and use them efficiently.

Our export technical team is anytime at your service to help you further when needed. Please contact:

Distributed by:

ECOLAB HEALTHCARE ANZ
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We are convinced that the HALO P will help you to clean efficiently the air of the area where it is installed and will protect you and your staff together with other measures, such as wearing mask, decon taminating surfaces, and keeping distances. Feel free to feedback to us your comments. We will appreciate them very much, as Erlab's ambition for now over 52 years is to protect without compromises!

General Description

Halo P guarantees all healthcare centers, offices or classrooms air decontamination from all particles, viral and bacterial pollutants.

In order to bring the best particulate filtration technology, we have equipped our HALO P with a HEPA H14 laboratory grade particulate filter or a ULPA 16 filter for the most critical risk situations if necessary.

Safety Notices

The effectiveness of this device is depending on its correct use and the respect of the usage specifications mentioned in this notice.

HALO P specifications

Air treated volume	300m³/h
Operation modes	24h/7d, Day/Night
Fan monitoring	Halo can monitor the fan status and inform user through LED pulse
Prefiltration	Polyester fiber prefilter to capture the particles above 3μm
Particulate filtration for powders	HEPA H14 filtration efficiency: 99.995% according to MPPS method, EN1822 standard
	ULPA U16 filtration efficiency:99.99995% according to MPPS method, EN1822 standard
Smart-light	Simple communication by LED pulse system
e-Guard Communication	Achieved by the software in the PC or remote control and monitoring by APP in your cellphone
Weight	31kg (doesn't include the filter)
Voltage/Frequency	80-240V/50-60Hz
Amperage	0.5A(220V)-1A(110V)
Energy consumption	50W

Connecting with an HALO P using a mobile phone

1– It is assumed that a WIFI Router connected to the HALO P unit(s) has been installed, its IP address has been changed to be in the same LAN as the HALO P and the WIFI signal has been set-up.

2– Connect your mobile to this WIFI:
Scan the QR code of the HALO P you need to connect, located on one of its 4 sides:
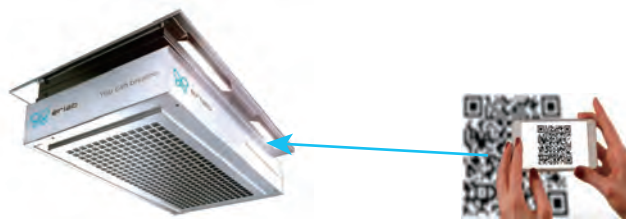
3– You will automatically have access, on the mobile screen, to the embedded eGuard app to monitor the HALO P

IMPORTANT

If you want to have the QR code easier to scan, you can use an additional QR code sticker delivered in the HALO P package and place it at a convenient place in the area where the HALO P is located.
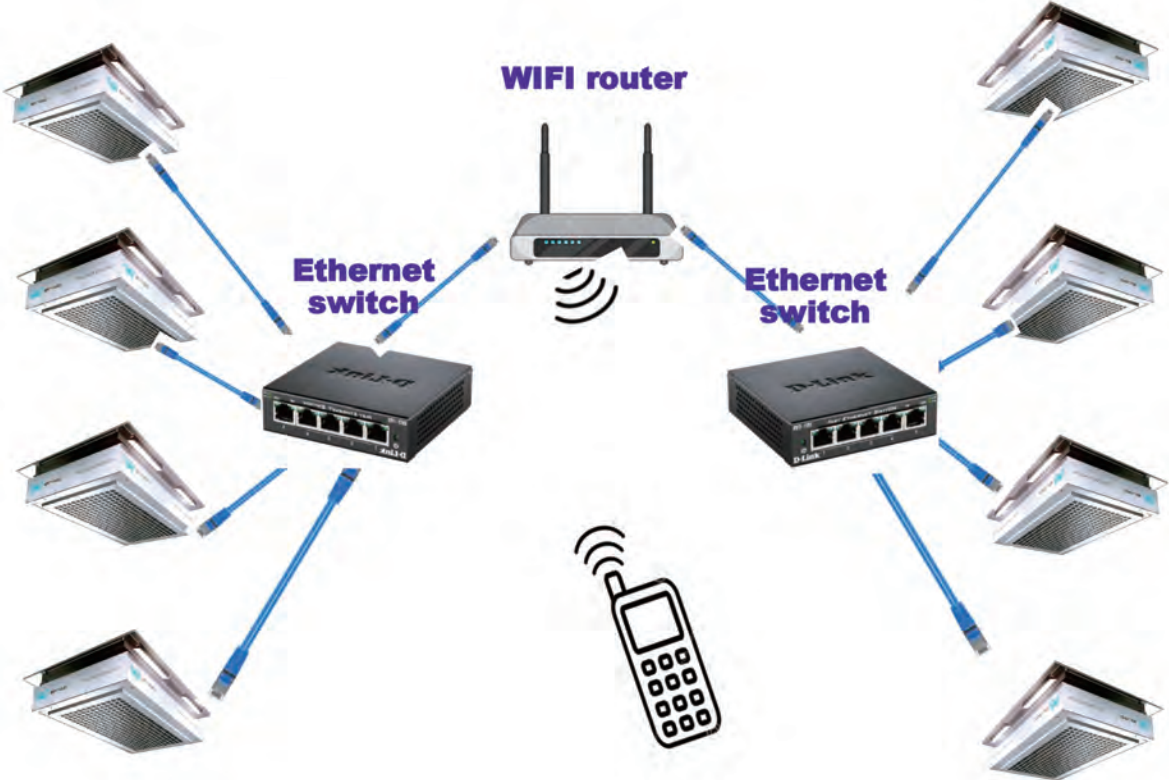
If you have several HALO P in the same room or in different rooms, we will deliver each HALO P with a different IP address.

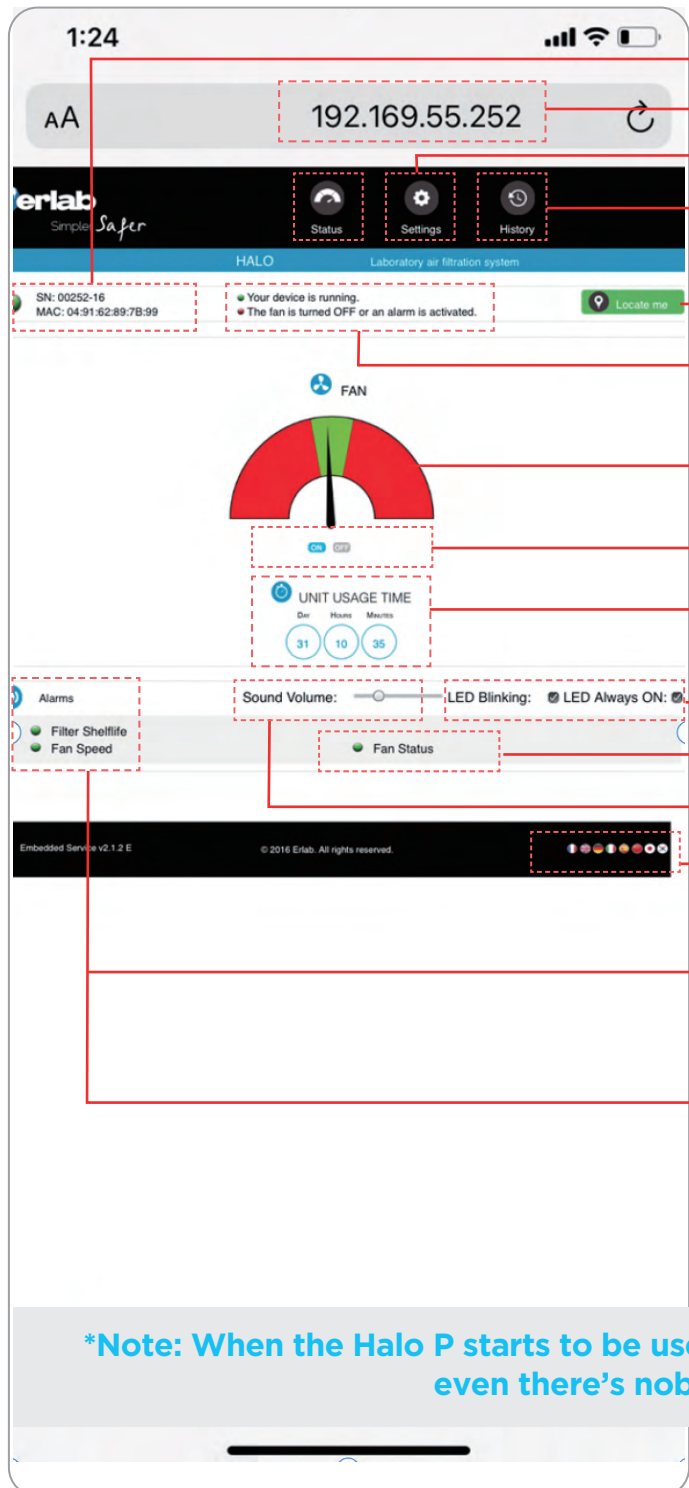# Connecting to several HALO P using a mobile phone

1-4 HALO P to control

WIFI router

RJ 45 cable

More than 4 HALO P to control

WIFI router

Ethernet switch

Ethernet switch

Available functionalities to monitor the HALO P with a mobile phone

1– Status page

Serial # and MAC address

IP address of the HALO

Go to settings page

Consult history

Locate this HALO P

Status message

Fan is running

Turn on/Turn off ventilation (fan)*

Usage time counter

Switch on/switch off LED light

Turns to ● when out of order
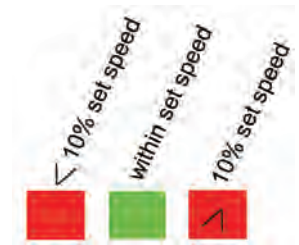
Adjust sound volume of alarms

Click to change language

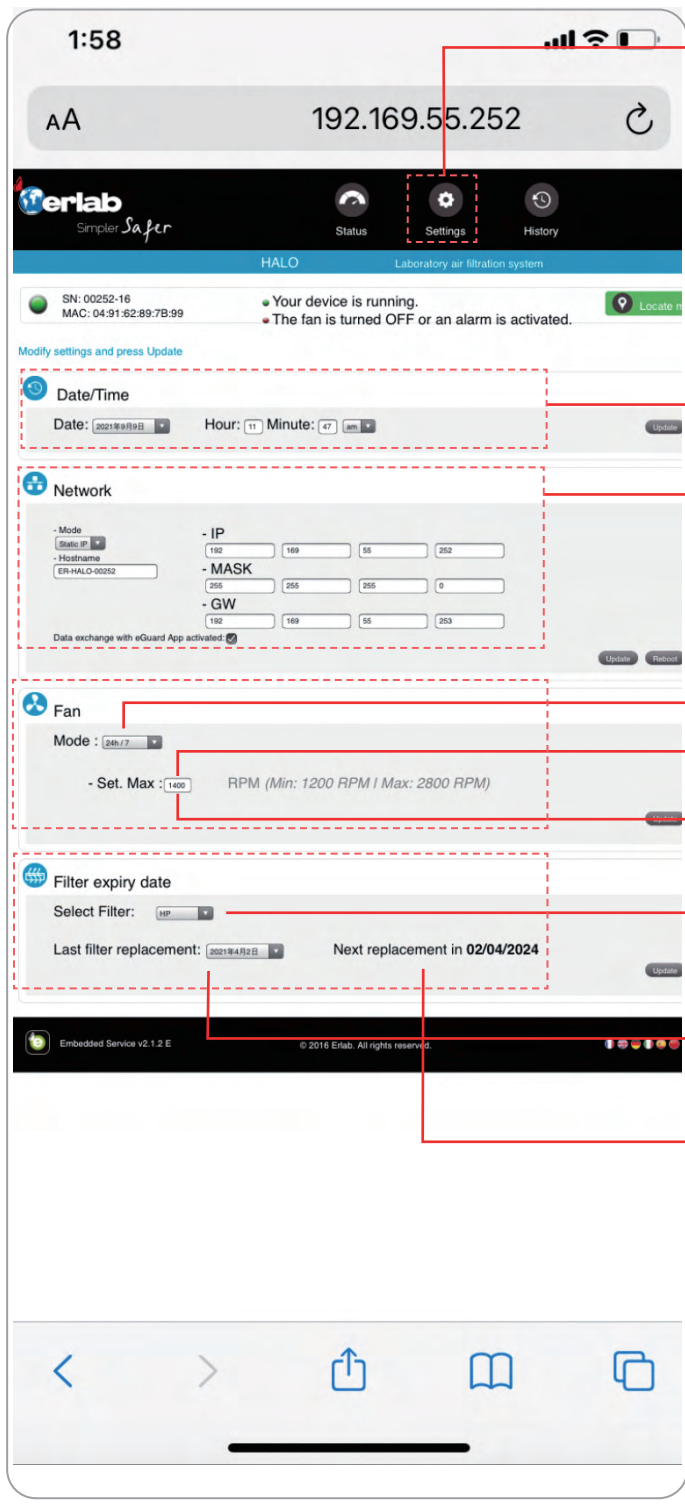Filter shelf life:
turns to red + alarm after 3 years of use

Fan speed
turns to red + alarm if the fan speed increase over 10% or decrease below 10% of set value

*Note: When the Halo P starts to be used, it is not supposed to be turned off, even there's nobody in the room

Available functionalities to monitor the HALO P with a mobile phone

2– Settings page

Get access:
Login: Erlab
Password: Smart

Set the date of installation

To be filled only if the IP address of this HALO P is changed

**24/7:** working full day and night Default speed 1400 rpm (can be adjusted)

Day/Night
Day from 8am-8pm and night 8pm-8am
Default speed: Day: 1400 rpm Night: 1200rpm
Can be adjusted

Select filter: HP=HEPA H14

Indicate the installation date of the new filter

It shows automatically the date when the filter shall be changed , at which time the LED light will blink, a sound will be released and the filter light in Status will turn to red
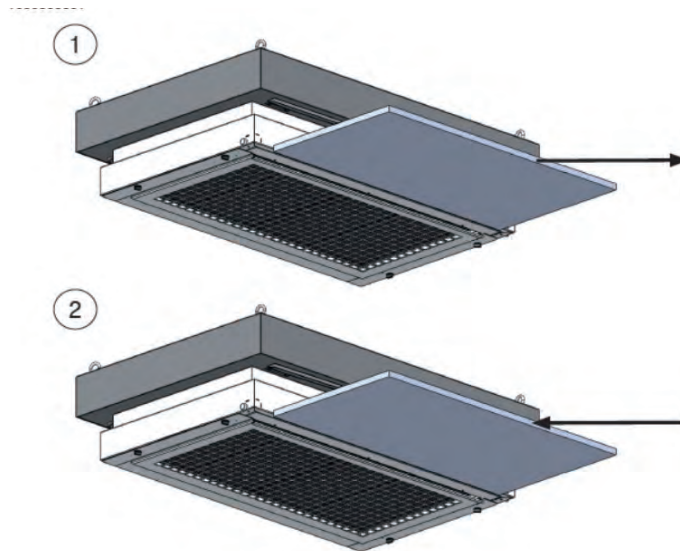
Available functionalities to monitor the HALO P with a mobile phone

3– History page

shows the device event's log

Click to download the log in .csv format
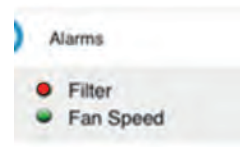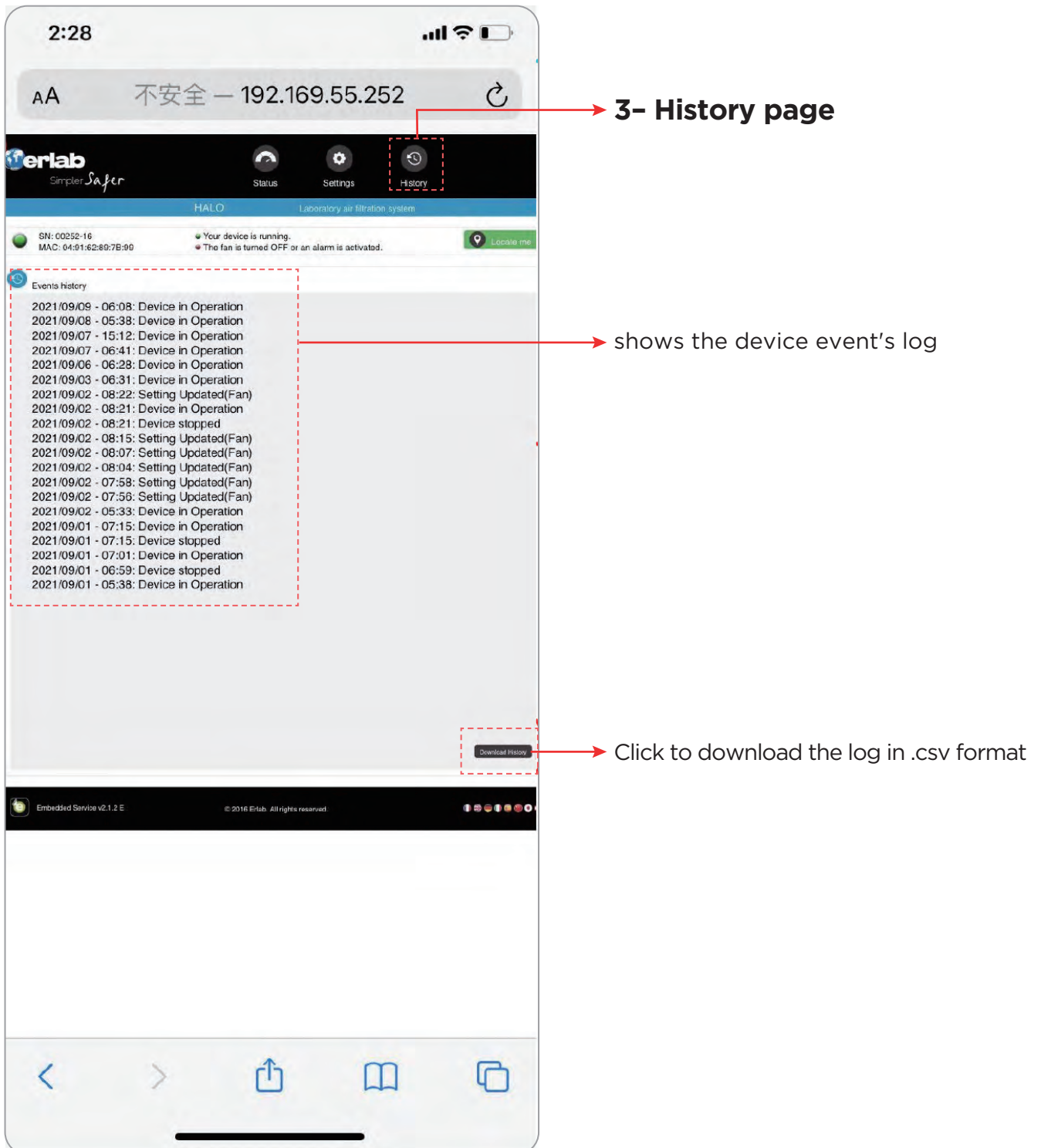
Prefilter and main HEPA/ULPA filter management

PREFILTER
Removal and installation of the prefilter

The role of the prefilter is critical as it protects the main HEPA or ULPA filter from an early clogging.
We recommend to change it every 3 months by following the below procedure

Change of the prefilter

Precautions: Wear gown, gloves, FFP2 or KN95 mask and mobcap

1 – The ventilation of the HALO P shall be turned on

2 – Remove the new prefilter from its plastic bag

3 – Spray a solution of Hydrogen Peroxide 3% during 2 min.

   throughout the suction base of the HALO P. Wait for 30min.

   decontamination time before opening the HALO P

4 – Open the HALO P and remove the used prefilter from the HALO P

   (pict. 2) and place it in the plastic bag of the new prefilter

5 – Install the new prefilter in the HALO P (pict. 1)

Prefilter and main filter management in Healthcare units*

We recommend to change the main HEPA or ULPA filter every 3 years. The eGuard embedded app will automatically release an alarm and the LED light will blink when the 3 years are reached. *
Using a solution of Hydrogen peroxide is particularly recommended in Healthcare facilities as it can neutralize possible bacteria present in the filter.

Change of filter (HEPA H14 and ULPA U16)

**Precautions:** Wear gown, gloves, FFP2 or KN95 mask and mobcap

1 – The ventilation of the HALO P shall be turned on

2 – Remove the new prefilter and main filter from their plastic bags

3 – Spray a solution of Hydrogen Peroxide 3% during 4 min. throughout the suction base of the HALO P. Wait for 10 min. decontamination time.

4 – Remove carefully the prefilter (see page 9) and place it in the plastic bag of the new one: Label it "used prefilter"

5 – Switch off the HALO P

6 – Open the HALO P and remove carefully the used HEPA H14 or ULPA U16 (fig. 1 to 4)

7 – Place the used filter in the plastic bag of the new one, seal it with tape and label it "used filter"

8 - Clean the inside of the HALO P from dust and spray the Hydrogen Peroxide solution on the Surfaces and dry them with a cloth.

9 - Close the lower grid of the HALO P

10 - Install the new prefilter (see page 9)

11 - Restart the HALO P

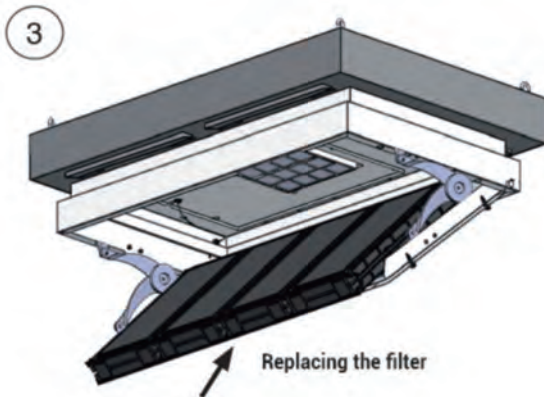12 - Dispose of the filter and prefilter in a suitable way in accordance with the regulations in your country.
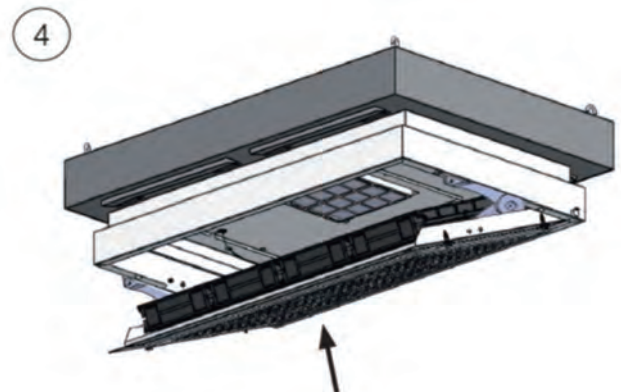
Installation of the main HEPA or ULPA filter
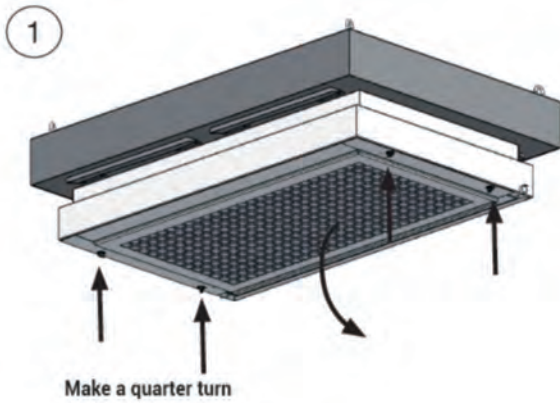
Make a quarter turn

Turn the below screws clockwise for a quarter turn to unlock the filter tank
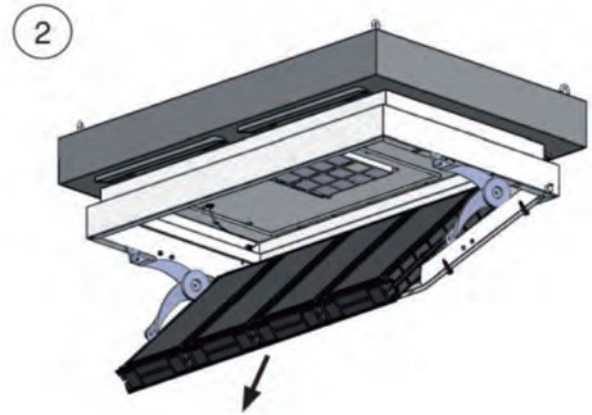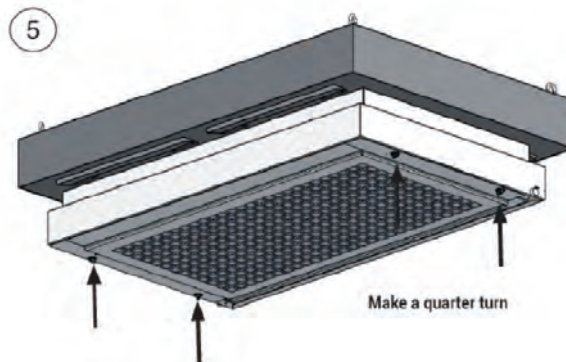

Remove the old filter

Replacing the filter

Insert the new filter

Push the below panel of the filter tank upward

Make a quarter turn

Tighten the below screws counterclockwise

Recommendations for the storage and use of the filters

HEPA H14 and ULPA U16 particulate filters should be stored upright in their original packaging in a dry environment.

Within these conditions, the maximum shelf lifetime should be as below

HALO P	- Filter HEPA	1 year from the date of delivery
	- Filter ULPA	1 year from the date of delivery
	- Filter Prefilter	1 year from the date of delivery

If the maximum shelf lifetime is reached, we don't recommend to use the filters

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