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AC4080
AC4081

# User Manual

PHILIPS

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# 1 Important

## Safety

Read this user manual carefully before you use the appliance, and save it for future reference.

### Danger

- Do not let water or any other liquid or flammable detergent enter the appliance to avoid electric shock and/or a fire hazard.
- Do not clean the appliance with water, any other liquid, or a (flammable) detergent to avoid electric shock and/or a fire hazard.
- Do not spray any flammable materials such as insecticides or fragrance around the appliance.
- The water in the water tank is not suitable for drinking. Do not drink this water and do not use it to feed animals or to water plants. When you empty the water tank, pour the water down the drain.

### Warning

- Check if the voltage indicated on the bottom indicated at the rear of the appliance corresponds to the local power voltage before you connect the appliance.
- If the power cord is damaged, you must have it replaced by Philips, a service center authorized by Philips, or similarly qualified persons in order to avoid a hazard.
- Do not use the appliance if the plug, the power cord, or the appliance itself is damaged.
- This appliance is not intended for use by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not block the air inlet and outlet, e.g. by placing items on the air outlet or in front of the air inlet.

### Caution

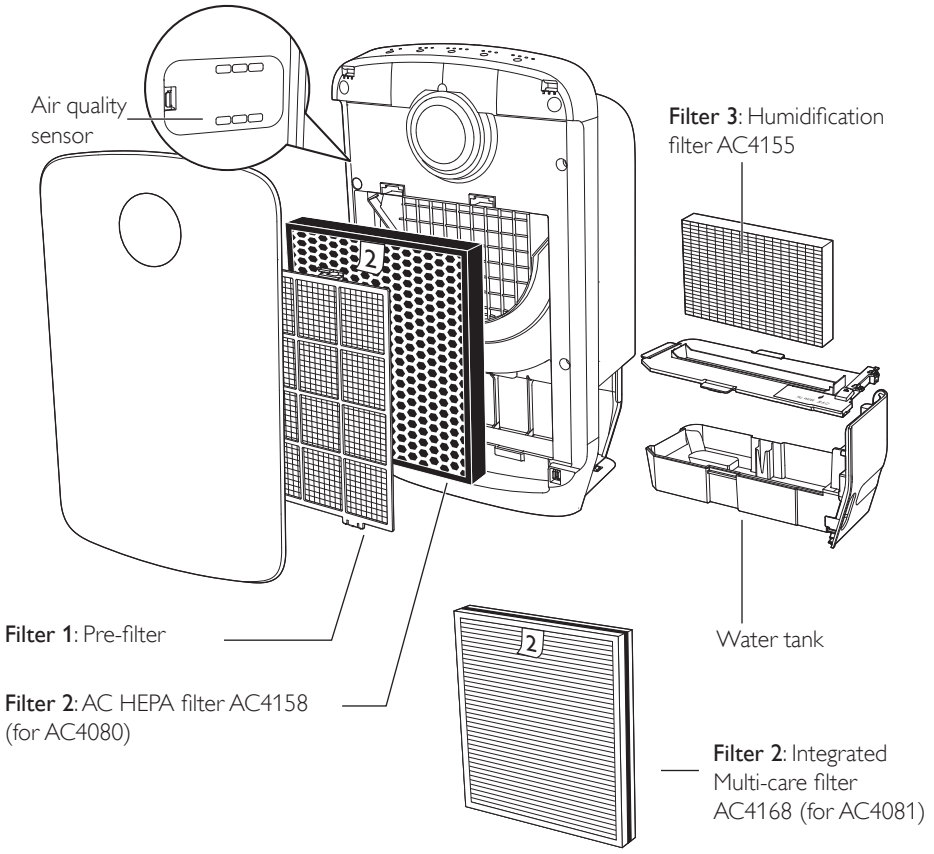
- This appliance is not a substitute for proper ventilation, regular vacuum cleaning, or use of an extractor hood or fan while cooking.
- If the power socket used to power the appliance has poor connections, the plug of the appliance becomes hot. Make sure that you plug the appliance into a properly connected power socket.

- Always place and use the appliance on a dry, stable, level, and horizontal surface.
- Leave at least 20cm free space behind and on both sides of the appliance and leave at least 30cm free space above the appliance.
- Do not place anything on top of the appliance and do not sit on the appliance.
- Do not place the appliance directly below an air conditioner to prevent condensation from dripping onto the appliance.
- Make sure all filters are properly installed before you switch on the appliance.
- Only use the original Philips filters specially intended for this appliance. Do not use any other filters.
- Avoid knocking against the appliance (the air inlet and outlet in particular) with hard objects.
- Always lift or move the appliance by both handles at the sides of the appliance.
- Do not insert your fingers or objects into the air outlet or the air inlet to prevent physical injury or malfunctioning of the appliance.
- Do not use this appliance when you have used indoor smoke-type insect repellents or in places with oily residues, burning incense, or chemical fumes.
- Do not use the appliance near gas appliances, heating devices or fireplaces.
- Always unplug the appliance after use and before filling water, cleaning, or carrying out other maintenance.
- Do not use the appliance in a room with major temperature changes, as this may cause condensation inside the appliance.
- To prevent interference, place the appliance at least 2m away from electrical appliances that use airborne radio waves such as TVs, radios, and radio-controlled clocks.
- When the appliance is not used for a long time, bacteria may grow on the filters. Check the filters after a long period of disuse. If the filters are very dirty, replace them (see the chapter 'Replace the filters').
- The appliance is only intended for household use under normal operating conditions.
- Do not use the appliance in wet surroundings or in surroundings with high ambient temperatures, such as the bathroom, toilet, or kitchen.
- The appliance does not remove carbon monoxide (CO) or

radon (Rn). It cannot be used a safety device in case of accidents with combustion processes and hazardous chemicals.
- Clean the water tank every day to keep it clean.
- Only fill the water tank with cold tap water. Do not use ground water or hot water.
- Do not put any substance other than water in the water tank. Do not put fragrance in the water tank.
- If you do not use the humidification function for a long time, clean the water tank and humidification filter tray. Dry the humidification filter.
- If you need to move the appliance, disconnect the appliance from the power supply first. Then empty the water tank. Carry the appliance horizontally by both handles on the sides of the appliance.

# 2 Your combi air purifier and humidifier

Congratulations on your purchase, and welcome to Philips!
To fully benefit from the support that Philips offers, register your product at www.Philips.com/welcome.
Philips VitaShield IPS technology and NanoCloud technology ensures you "Healthy air always". VitaShield IPS technology effectively remove pollutants (ultrafine particles, allergens, bacteria and viruses) with size >0.02 micron including bacteria and virus*.
NanoCloud technology, using a special humidification filter adds H2O molecules to the dry air, and produces healthy humid air without formation of water mist. Its humidification filter retains bacteria, calcium and other particles from the water.
*According to 2008 Microbiological Risk Assessment Report of the World Health Organization (WHO), the avian influenza, human influenza viruses, Legionella, Hepatitus viruses and SARS coronavirus are larger than 0.02 micron.
Read this user manual carefully before you use the appliance, and save it for future reference.



# 3 Get started

## Install filters

The appliance comes with all filters fitted inside. Remove the packaging of the filters before you can use the appliance. Remove all filters, unpack them, and place them back into the appliance described as follows:

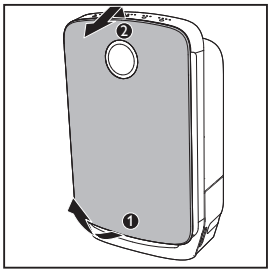
Tip

- When you remove or insert filters, place the appliance against a wall for more stability.

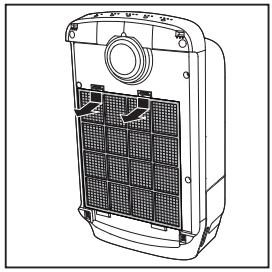
Note

- Insert the filters in the correct position.
- Make sure that you place the filters in the order of filter 2 and then the pre-filter.
- Make sure that the side with the tag is pointing towards you.

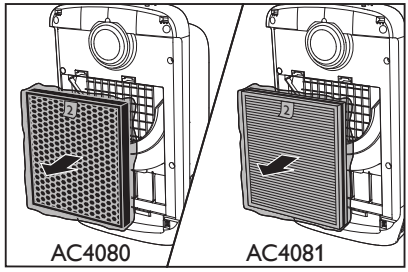
1 Unlock the bottom of the front panel from the appliance, then gently pull the top part of the front panel towards you.



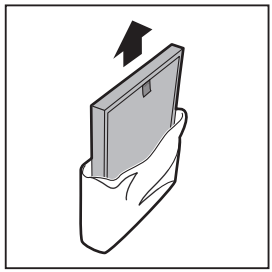

2 To remove the pre-filter, press the two clips down and pull the filter towards you.



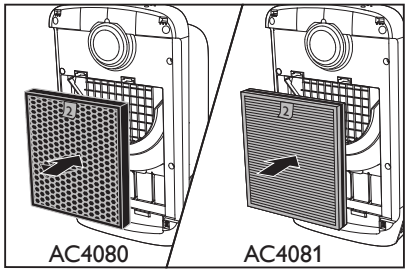
3 Remove the used filter 2 from the appliance.



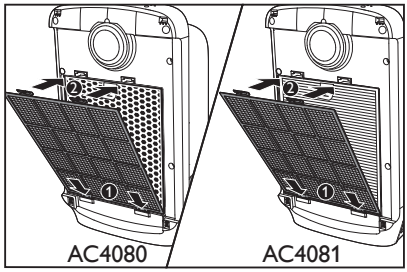

4 Remove the packaging materials of the new filter 2.



5 Put filter 2 back into the appliance.



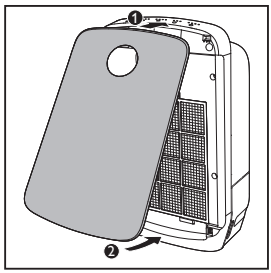

6 Put the pre-filter back into the appliance.




Note

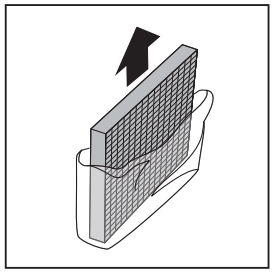
- Make sure that the side with the two clips is pointing towards you, and that all hooks of the pre-filter are properly attached to the purifier.

7 To reattach the front panel, mount the panel onto the top of the appliance first (1). Then, gently place the panel against the body of the appliance (2).

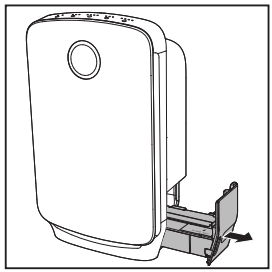


## Prepare for humidification

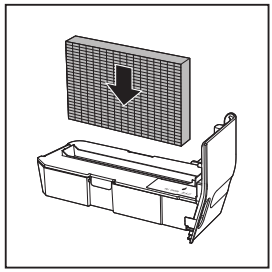
1 Remove all packaging materials of the humidification filter.



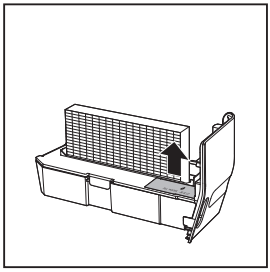
2 Pull out the water tank from the side of the appliance.



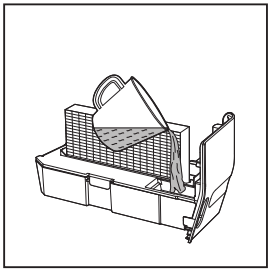
3 Put the humidification filter into the water tank.



4 Open the lid of the water filling hole.



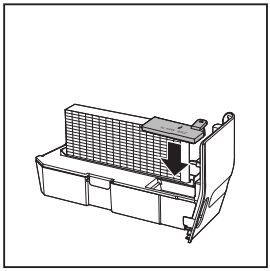
5 Fill the water tank with cold tap water.



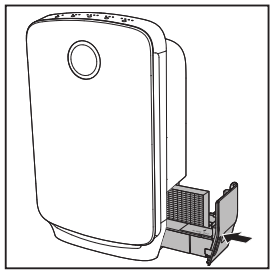
Note

- When pouring water into the water tank, make sure not to exceed the **MAX** water level indication.

6 After the water is filled, put the lid back onto the water filling hole.



7 Push the water tank back into the appliance.



# 4 Use the appliance

## Understand the air quality light

| Color of the air quality light | Air quality level |
|---|---|
| Blue | Good |
| Purple | Fair |
| Red | Bad |

The air quality light automatically goes on when the appliance is switched on, and shows all colors repeatedly. In a short while the air quality light selects the color that corresponds to the ambient air quality.

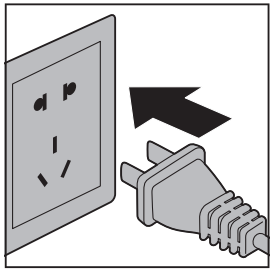
Note

- The built-in air quality sensor measures the air quality and automatically selects the appropriate color of the air quality light. When the air is clean, the color of the air quality light is in blue. When the air quality deteriorates, the color of the air quality light changes to purple or red.

## Switch on and off the appliance

The appliance operates under air purification combined with humidification by default.

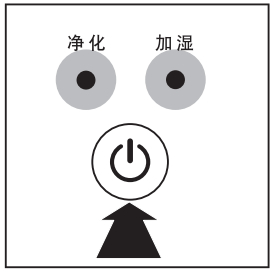
1 Put the plug into the power supply.



↳ All lights go on once and then go out again.

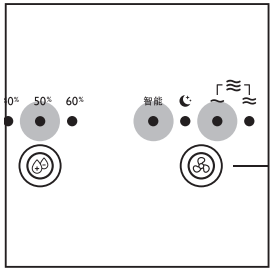
2 Press ⏻ to switch on the appliance.

↳ The purifier and humidifier lights are on.




↳ After measuring the air quality for a short while, the air quality sensor automatically selects the appropriate color of the air quality light.

↳ The appliance enters **AUTO** mode, and the target humidity level is **50%**.



3 Press ⏻ for 2 seconds to switch off the appliance.

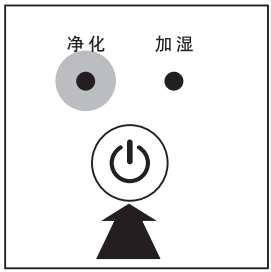
Note

- After the appliance is switched off by the on/off button ⏻, if the plug is still in the power socket, the appliance will resume work based on the last settings when it is switched on again.

## Change the working mode

Besides operating under air purification combined with humidification, the appliance can also work under air purification only mode.

1 After the appliance is switched on, press ⏻ once, and the humidification indicator goes out with the humidity level indicator. The humidification function is deactivated. The appliance works under air purification only mode.




2 Press ⏻ again to activate the humidification function again.

Note

- In air purification only mode, the humidification button does not respond.
- The appliance cannot work under humidification only mode.

## Set the sensitivity of the air quality sensor

This appliance allows you to adjust the sensitivity of the air quality sensor. There are three sensitivity levels:

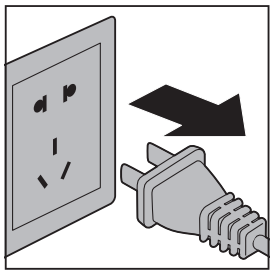
- standard (default setting)
- sensitive
- extra sensitive

You can adjust the sensitivity of the air quality sensor in the following way:

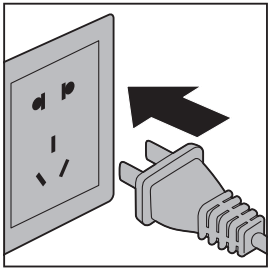
Note

- When the appliance is set to a higher sensitivity, the purifier becomes more allergic to the pollutants in the air. When the purifier is in **AUTO** mode, it is more likely to choose a higher fan speed than the standard mode. The air quality sensor selects the appropriate color of the air quality light in accordance with the higher sensitivity.

1 Unplug the appliance.

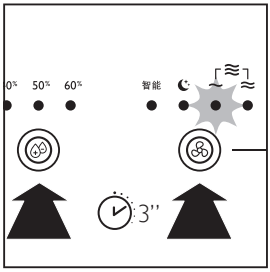


2 After a short while, put the plug in the wall socket again.



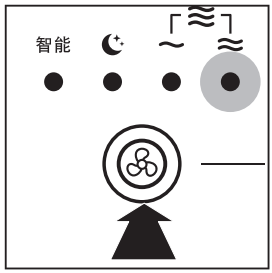
3 Press and hold the fan speed button and humidifier button simultaneously for 3 seconds.

↳ One or more fan speed lights flash to show the current sensitivity level of the air quality sensor.




| Fan speed light | Sensitivity level |
|---|---|
| ∼ + ≈ | standard |
| ≈ | sensitive |
| ∼ | extra sensitive |

4 Press the fan speed button to adjust the sensitivity level of the air quality sensor.




5 Press and hold for 2 seconds to save the setting and switch off the appliance.

Note

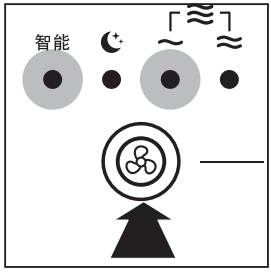
- When you are changing the sensitivity level, if you do not change any settings, or if you do not press for 2 seconds after you have changed any settings, the appliance will resume normal work without saving any changes.
- After the sensitivity is changed and saved, the appliance automatically starts operating at the preset sensitivity level whenever you switch on the appliance.

# Change the fan speed

## AUTO

In **AUTO** mode, the appliance selects the appropriate fan speed in accordance with the ambient air quality.

- Press the fan speed button to select **AUTO** mode.
- **AUTO** and one of the fan speed indicators (~, ≈ or ≋) light up.



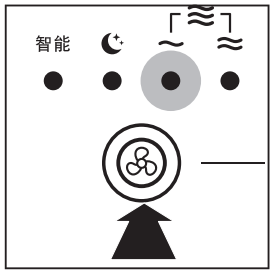

Note

- In **AUTO** mode, when the air quality reaches the target (air purification only mode), or when the air quality and humidity reach the target simultaneously (combi mode), the appliance will work with a lower fan speed, and the fan speed indicator (~, ≈ or ≋) goes out.

## Manual

You can mannually select the desired fan speed.

- Press the fan speed button once or more times to select the desired fan speed (~, ≈ or ≋).




Note

- Fan speed ≋ is available for AC4081 only.
- In **Manual** mode, when the air quality reaches the target (air purification only mode), or when the air quality and humidity reach the target simultaneously (combi mode), the appliance will continue to work with the selected fan speed.

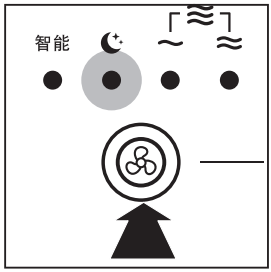
Tip

- If the air quality light is in blue color, this means the air quality is good, and you can select a lower fan speed.
- On the other hand, if the air quality light is in red or purple color, this means the air quality is bad or fair. You can select a higher fan speed to clean the air quickly.

## Sleep mode

In sleep mode, the appliance operates very quietly.

- Press the fan speed button to select the sleep mode.
  - ↳ The sleep indicator lights up.




To change to another fan speed, press the fan speed button.

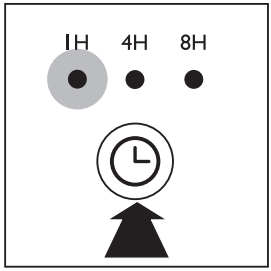
Note

- When the appliance switches to sleep mode, the indicators goes out after 1 minute, and the appliance keeps working.

## Set the timer

With the timer function, you can let the appliance operate for a set number of hours. When the set time has elapsed, the appliance automatically switches off.

1 Press the timer button to activate the timer.
  - ↳ The timer light (**1H**, **4H** or **8H**) goes on.




2 Press the timer button repeatedly to choose the number of hours you want the appliance to operate. The corresponding timer light goes on.

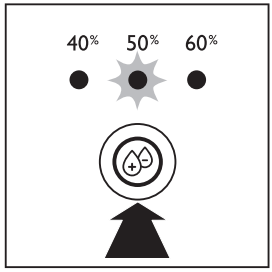
To deactivate the timer function, press the timer button repeatedly until the timer light (**1H**, **4H** or **8H**) goes out.

## Set the humidity level

Note

- Make sure that the water tank is filled with water when you want to use the humidification function (see the chapter "Get started", section "Prepare for humidification").

- Press the humidity button once or more times to set the desired air humidity to **40%**, **50%** or **60%**.
  - ↳ The corresponding humidity light (**40%**, **50%** or **60%**) starts to flash.




  - ↳ When the appliance reaches the target humidity level, the humidity level indicator remains on.

Note

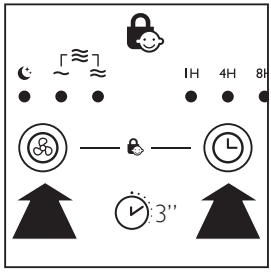
- If you want to increase the humidity level in shorter time, you can select a higher fan speed.

## Set the child lock

Note

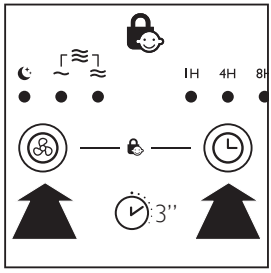
- Child lock is only applicable for AC4081。

- Press and hold the fan speed button and timer button simultaneously for 3 seconds to activate child lock.




↳ When the child lock is on, all buttons are not responsive.

- Press and hold the fan speed button and timer button simultaneously for 3 seconds again to deactivate child lock.

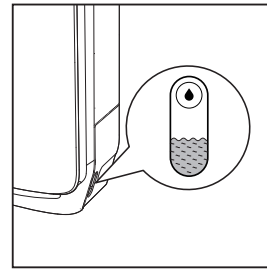


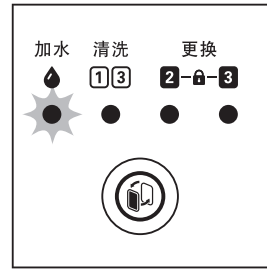

Note

- When the child lock is on, the appliance will not respond when you press any button.

## Water level

The water level in the water tank is visible through the water level window on the side of the appliance. When there is not enough water in the water tank, flashes to indicate that you have to refill the water tank.






Note

- When there is no water in the water tank, the refill water light remains on, and the humidification indicator flashes to remind users the humidification function is not working. When the water tank is refilled with water, the humidification function will be resumed.
- The refill water light does not light up under air purification only mode.

# 5 Cleaning

Note

- Always unplug the appliance before you clean it.
- Never immerse the appliance in water or any other liquid.
- Never use abrasive, aggressive, or flammable cleaning agents such as bleach or alcohol to clean any part of the appliance.
- Only the pre-filter and humidification filter are washable. The air purifier filter is not washable nor vacuum cleanable.

## Cleaning schedule

| Frequency | Cleaning method |
|---|---|
| When necessary | Wipe the surface of the appliance with a soft dry cloth. |
| Every week | Rinse the humidification filter. |
| | Rinse the water tank. |
| When the filter replace indicator 1 / 3 lights up | Clean the pre-filter. |
| | Descale the humidification filter with the vinegar-water mixture. |
| Every two months | Clean the air quality sensor and air humidity sensor with a dry cotton swab. |

## Clean the body of the appliance

Regularly clean the inside and outside of the appliance to prevent dust from collecting.

1 Wipe away dust with a soft dry cloth from the body of the appliance.

2 Clean the air inlet and the air outlet with a soft dry cloth.

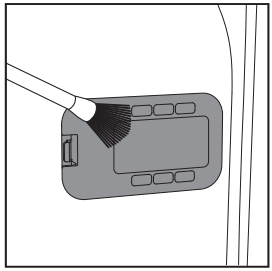
## Clean the air quality sensor

Clean the air quality sensor every two months for optimal functioning of the appliance. Clean it more frequently if you use the appliance in a dusty environment.

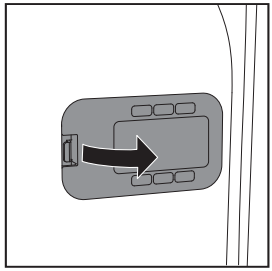
Note

- When the humidity level in the room is very high, it is possible that condensation develops on the air quality sensor. As a result, the air quality light may indicate that the air quality is bad even though the air quality is good. In this case you have to clean the air quality sensor or use one of the manual speed settings.

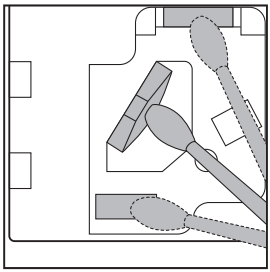
1 Clean the inlet and outlet of the air quality sensor with a soft brush.



2 Remove the cover of the air quality sensor.



3 Clean the sensor, the dust inlet and the dust outlet with a lightly moistened cotton swab.



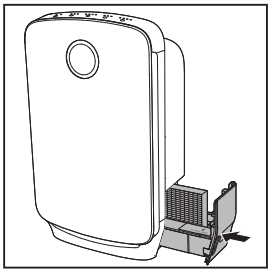
4 Dry them with a dry cotton swab.

5 Reattach the sensor cover.

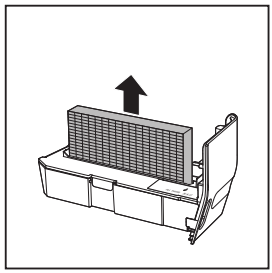
## Clean the water tank and humidification filter

Clean the water tank and humidification filter every week to keep them hygienic.

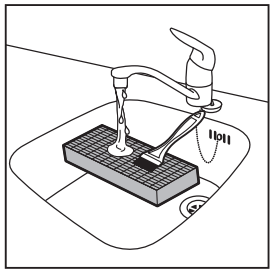
1 Pull the water tank from the side of the appliance.



2 Remove the humidification filter from the water tank.



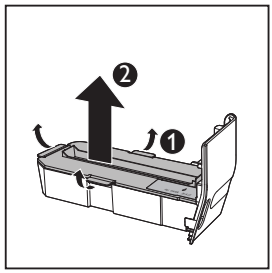
3 Rinse the humidification filter under a running tap.



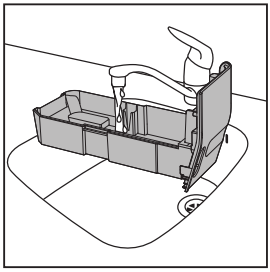
Note

- Do not scrub the humidification filter, nor place it under direct sunlight.

4 Unfasten the locks on the edge of the water tank lid, and remove it from the water tank.



5 Rinse the water tank under a running tap.



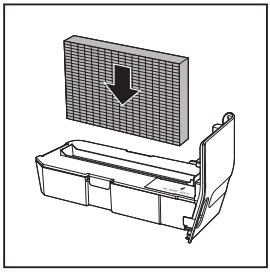
Note

- If necessary, use a mild detergent to clean the water tank. In this case, rinse the water tank thoroughly.

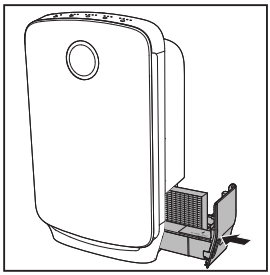
6 Dry the water tank and its lid with a soft, dry cloth.

7 Put the lid back onto the water tank and fasten the locks.

8 Put the humidification filter back into the water tank.



9 Put the water tank back into the appliance.



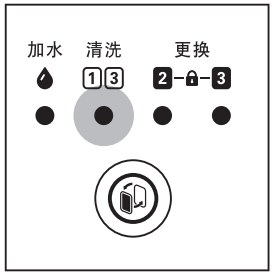
## Clean the pre-filter and descale the humidification filter

| Filter alert light status | Follow this |
|---|---|
| Filter light 1 / 3 goes on | Clean the pre-filter and descale the humidification filter |

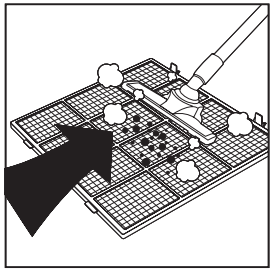
Note

- Only the pre-filter and humidification filter are washable. Filter 2 is not washable.

Filter light 1 / 3 goes on




1 Wash the pre-filter under a running tap. If the pre-filter is very dirty, use a soft brush to brush away the dust.



2 Air dry the pre-filter.

Note

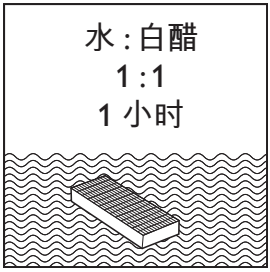
- Make sure that the pre-filter is completely dry. If it is still wet, bacteria may multiply in it and shorten the lifetime of the pre-filter.

3 Mix the white vinegar with an equal amount of tap water in a container that is large enough to soak the humidification filter in.

Note

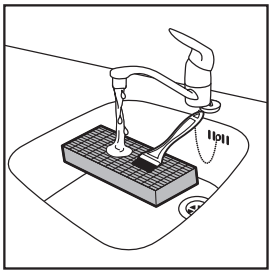
- White vinegar has 5% acetic acid.
- If there are white deposits (limescale) on the filter, make sure that the side with the white deposits is immersed in the water.

4 Let the humidification filter soak in the solution for one hour.




5 Discard the water-vinegar solution.

6 Rinse the humidification filter under the tap to rinse away vinegar residues. During rinsing, turn the humidification filter so that both the front and back sides are rinsed.



7 Let excess water drip off the humidification filter.

8 After the pre-filter and humidification filter are put back in the appliance, reset the filter lifetime counter. (Refer to chapter 9 "Reset the filter lifetime counter")

# 6 Replace the filters

## Understand the healthy air protect lock

This appliance is equipped with the healthy air protect lock to make sure that the filters are in optimal condition when the appliance is operating. When the filter is almost full and has to be replaced, the specific filter light (2 / 3) start to flash.

When you do not replace the filter in time:

- ↳ The appliance stops operating and it is locked.
- ↳ The specific filter light (2 / 3) illuminate continuously.

Note

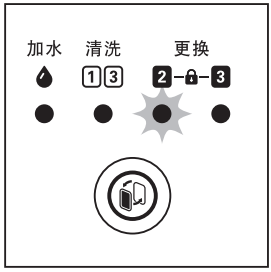
- The appliance is locked after the filter light has flashed for approximately 2 weeks.

## Replace filter 2

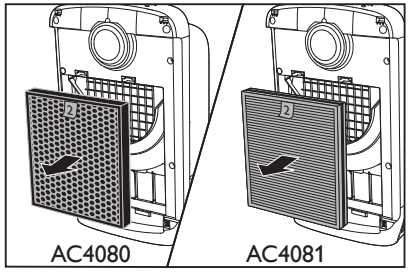
Note

- Filter 2 is not washable nor vacuum cleanable.

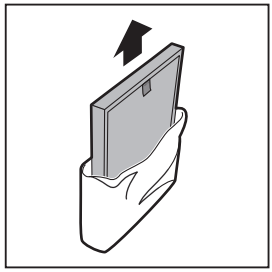
Replace filter 2 when the filter light 2 starts flashing.



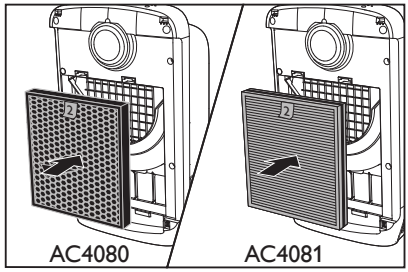

1 Remove the used filter 2 from the appliance.




2 Remove all packaging material from the new filter 2.



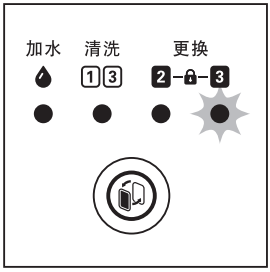
3 Put the new filter 2 into the appliance.



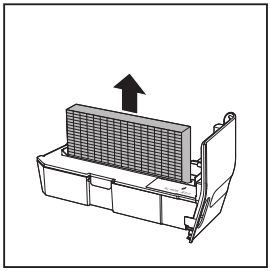

4 After the pre-filter is put back in the appliance, reset the filter 2 lifetime counter. (Refer to chapter 9 "Reset the filter lifetime counter")

## Replace the humidification filter

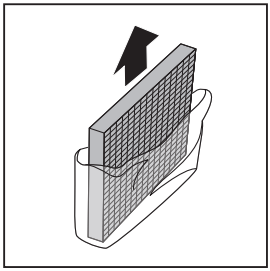
Replace the humidification filter when filter light 3 starts flashing.



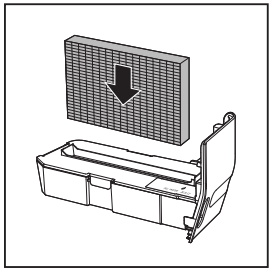

1 Remove the used humidification filter from the water tank.



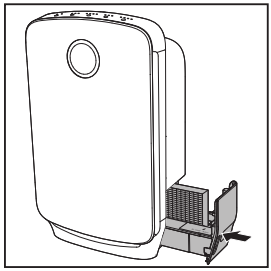
2 Remove all packaging material from the new humidification filter.



3 Put the new humidification filter in the water tank.



4 Put the water tank back into the appliance.

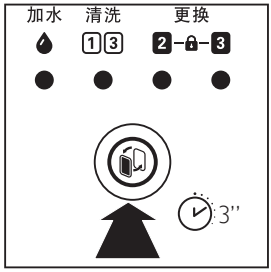


5 Reset the humidification filter lifetime counter. (Refer to chapter 9 "Reset the filter lifetime counter")

# 7 Reset the filter lifetime counter

When you replace the filters, it is important that you also reset the filter lifetime counter afterwards. This allows the appliance to be in sync with the filter lifetime.

1 Press and hold the reset button for 3 seconds, the filter light goes out, and the appliance resumes work automatically in the default settings (combi mode with **AUTO** as the fan speed).



# 8 Troubleshooting

This chapter summarizes the most common problems you could encounter with the appliance. If you are unable to solve the problem with the information below, contact the Consumer Care Center in your country.

| Problem | Possible solution |
|---|---|
| The appliance does not work even though it is plugged in.. | • The filter replacement light has been on continuously but you did not replace the corresponding filter, it is now locked. In this case, replace the filter and reset the filter time.<br>• The water refill light flashes. Make sure the water tank is properly installed. |
| The appliance does not work even though it is switched on. | The appliance is working but the buttons are not responsive. Check is the child lock is on (for AC4081 only). |
| The water tank leaks. | It is normal that the lid of the water tank is slightly wet when you remove it from the appliance. However, if water drops keep dripping from the bottom of the water tank, contact the Consumer Care Center in your country. |
| There are some white deposits on the humidification filter. | The white deposits are called limescale and they consist of minerals from the water. Limescale on the humidification filter affects the humidifying performance. Therefore you have to descale the humidification filter when the filter light 1 / 3 flashes (See the chapter "Clean the pre-filter and descale the humidification filter"). |
| No air comes out of the air outlet. | Plug the appliance into the power supply and switch on. |
| The airflow that comes out of the air outlet is significantly weaker than before. | • The pre-filter is dirty. Clean the pre-filter (see the chapter "Clean the pre-filter and descale the humidification filter").<br>• Make sure that you have removed all packaging material from the filters. |
| The air quality does not improve, even though the appliance has been operating for a long time. | • One of the filters has not been placed in the appliance. Make sure that all filters are properly installed in the following order, starting with the innermost filter: 1) filter 2; 2) pre-filter.<br>• The air quality sensor is wet. The humidity level in your room is high and causes condensation. Make sure that the air quality sensor is clean and dry (see the chapter "Clean the air quality sensor"). |

| Problem | Possible solution |
|---|---|
| The color of the air quality light always stays the same. | • The air quality sensor is dirty. Clean the air quality sensor (see the chapter "Clean the air quality sensor").<br>• There is not enough ventilation in the room. Open a window, to improve the air circulation. |
| I do not see water vapor coming out of the appliance. Is it working? | When water vapor is very fine, it is invisible. NanoCloud humidification technology, which produces healthy humid air from the outlet area without formation of water mist. |
| The appliance produces a strange smell. | The first few times you use the appliance, it may produce a plastic smell. This is normal. However, if the appliance produces a burnt smell, contact your Philips dealer or an authorized Philips service centre. The appliance may also produce an unpleasant smell when one of the filters is dirty. In this case, clean or replace the filter concerned. |
| I need cleaner air because I have an allergy. | You can change the air quality sensor sensitivity (see the chapter "Use the appliance, section "Set the sensitivity of the air quality sensor") to make the appliance clean the air even better. |
| The appliance is extra loud. | • You have not removed all packaging material from the filters. Make sure that you have removed all packaging material.<br>• You can change the fan speed to lower fan speed level. |
| The appliance still indicates that I need to replace a filter, but I already did. | Perhaps you did not press the reset button properly. Plug in the appliance, press the button to switch on and press and hold the reset button for 3 seconds. |

# 9 Guarantee and service

If you need information or if you have a problem, please visit the Philips website at www.philips.com or contact the Philips Consumer Care Center in your country (you find its phone number in the worldwide guarantee leaflet). If there is no Consumer Care Centre in your country, go to your local Philips dealer.

## Order parts or accessories

If you have to replace a part or want to purchase an additional part, go to your Philips dealer or visit www.philips.com/support.
If you have problems obtaining the parts, please contact the Philips Consumer Care Center in your country (you can find its phone number in the worldwide guarantee leaflet).

# 10 Notices

## Electromagnetic fields (EMF)

This Philips appliance complies with all applicable standards and regulations regarding exposure to electromagnetic fields.

### Compliance with EMF

Koninklijke Philips N.V. manufactures and sells many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.

One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.

Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardization for early integration in its products.

## Recycling

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

**PHILIPS**

产品 ：飞利浦空气净化器
型号 ：AC4080
额定电压 ：220V～
额定频率 ：50Hz
额定输入功率：60 W
生产日期 ：请见产品本体
产地 ：中国江苏苏州

飞利浦（中国）投资有限公司
上海市天目西路218号1602-1605
全国顾客服务热线: 4008 800 008

本产品根据国标GB4706.1-2005,
GB4706.45-2008, GB4706.48-2009制造

**PHILIPS**

产品 ：飞利浦空气净化器
型号 ：AC4081
额定电压 ：220V～
额定频率 ：50Hz
额定输入功率：68 W
生产日期 ：请见产品本体
产地 ：中国江苏苏州

飞利浦（中国）投资有限公司
上海市天目西路218号1602-1605
全国顾客服务热线: 4008 800 008

本产品根据国标GB4706.1-2005,
GB4706.45-2008, GB4706.48-2009制造

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