

PHILIPS

Water solutions

Under-the-sink filtration

AUT9510/79



User manual

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I. Product introduction

Congratulations on your purchase and welcome to Philips!

The reverse osmosis membrane has a deep filtration level down to 0.0001 micron. Giving you great tasting water.

Read this user manual carefully before you use the appliance. Save it for future reference.



II. Precautions

Warning

- Always use municipal tap water as the water source. Do not use water that is micro-biologically unsafe or of unknown quality without adequate disinfection before or after the system.
- This system 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 the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the system.
- The appliance is only to be used with the unit provided.
- Be sure to handle the system gently and carefully. Do not attempt to modify or repair the system yourself, otherwise, the warranty becomes invalid.
- The inlet water temperature of the system should be within 5-38°C . When the inlet water temperature exceeds 38°C, the filter could be damaged and become invalid. If the inlet water temperature is lower than 5°C, it may cause freezing and the parts of the system to rupture, resulting in water leakage.
- Do not reverse the installation order of the filter cartridges to avoid affecting the filter performance of the system.
- If the system is abnormal or faulty, stop using it immediately. Close the inlet water valve, and turn on the faucet to empty the system. Events of faults include:
 - Leakage
 - The product is cracked or damaged
 - There is an abnormal sound or burnt smell

- The power plug or power cord is abnormally hot
 - The machine does not work
- Please contact consumer care for inspection immediately.
- If not using the system for an extended period, turn off the water supply, and turn on the faucet to release the internal pressure to avoid damage to the system.
 - In Australia, electrical installation must comply with AS/NZS3000.
 - In Australia, plumbing installation must comply with AS/NZS3500.

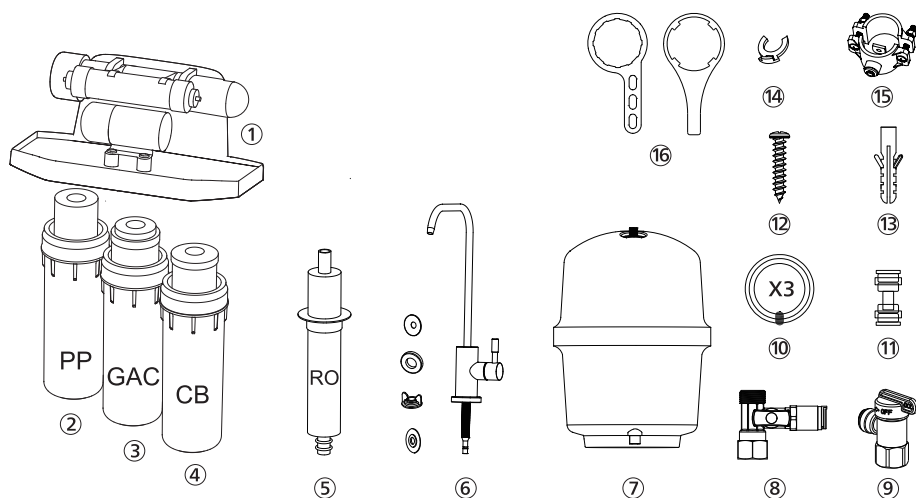
III. Product specification

Product name	Philips reverse osmosis under-the-sink water filtration system
Product model	AUT9510/79
Power rating	36W
Filtered water flow rate	0.19L/min
Voltage	100-240V 50Hz/60Hz
Filtration capacity	PP fillter/ GAC filter / CB filter: 3-6 months RO fillter: 24months Post-CB mineral filter: 12 months
Inlet water pressure	0.1-0.4MPa**
Inlet water temperature	5°C-38°C
Maximum inlet water hardness	15 °HF***
Environment temperature	4-40°C
Net weight	9.5kg
Dimensions(mm)	403*435*180
Applicable water source	Municipal tap water

** When the inlet water pressure exceeds 0.4 MPa, a pressure relief valve should be installed before the system. When the inlet water pressure is below 0.1 MPa, a pressure booster should be installed before the system. The pressure relief valve and extra pressure booster need to be purchased separately.

*** If the TDS of inlet water exceeds 1500 ppm, or the hardness exceeds 15 °HF, the lifetime of the filters may be impacted. Please consult with your dealer about installing prefilters before the system.

IV. Product overview and installation illustration



① Main unit

② PP filter

③ GAC filter

④ CB filter

⑤ Aquaporin Inside RO filter

⑥ Faucet and accessory

⑦ Water storage tank

⑧ Three-way ball valve

⑨ Tank connector

⑩ 1/4" PE pipe *3

⑪ 1/4" quick connect fitting

⑫ Screws

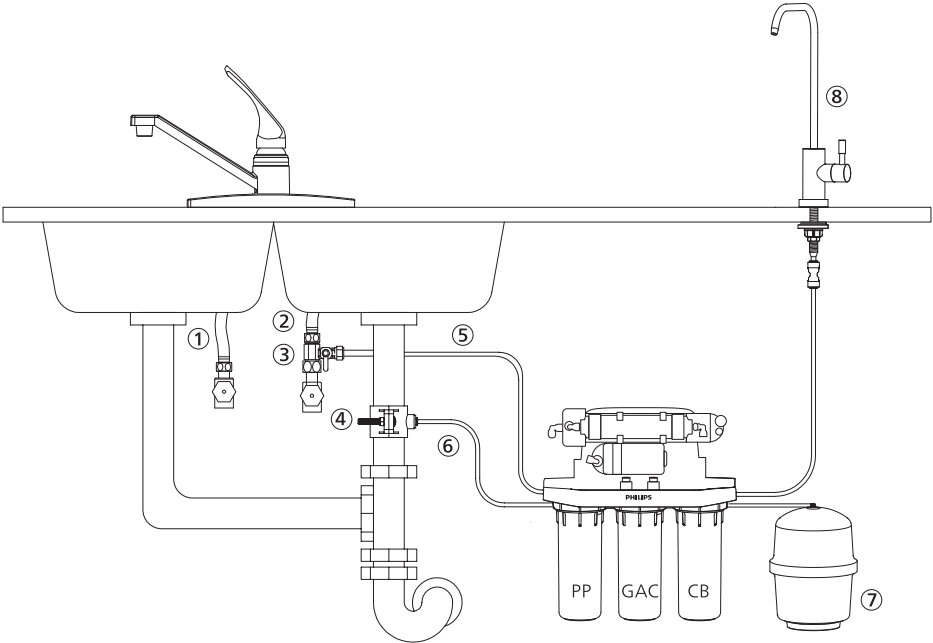
⑬ Expansion sleeve

⑭ Quick connector clip

⑮ Drain connector

⑯ Filter wrench*2

Overview



- ① Hot

② Cold

③ Three-way ball valve

④ Drain connector

⑤ Water inlet
- ⑥ Drain water outlet

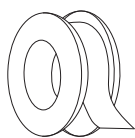
⑦ Water storage tank

⑧ Faucet

V. Installation

1. Before installation

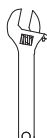
- Confirm the installation position of the system underneath the kitchen bench;
- Confirm the installation position of the faucet on top of the kitchen bench;
- Confirm there is a power socket underneath the kitchen bench;
- Check the packing list and confirm you have all the accessories on the list;
- Prepare necessary tools for installation:



Teflon tape



Screwdriver



Wrench



Pipe cutter



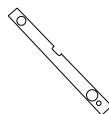
Flashlight



Rag



Electric drill



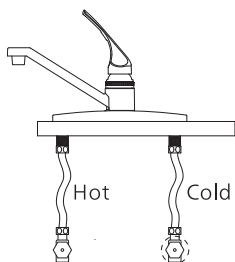
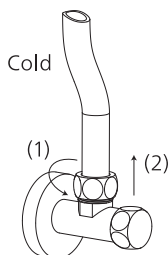
levelling instrument

2. Installation Steps

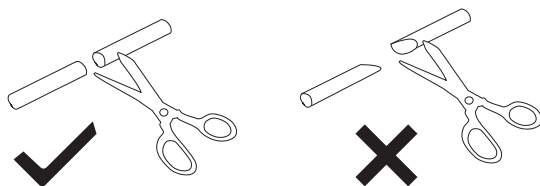
Step 1: Installing the three-way ball valve

a.Preparation:

- Turn off the cold water supply.
- Turn on the kitchen tap water faucet to release the pressure and allow water to drain from the line.
- Disconnect the cold water hose from the cold water valve. (Note: Please keep the gasket when disconnecting the hose)

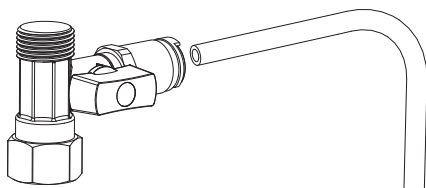


- Measure the length of the 1/4" pipe and cut it accordingly with a pipe cutter.



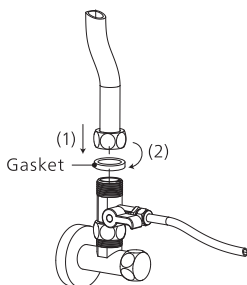
b. Install the three-way valve:

- Insert the pipe into the opening of the three-way ball valve.
- Make sure the gasket inside the valve is in place before tightening.



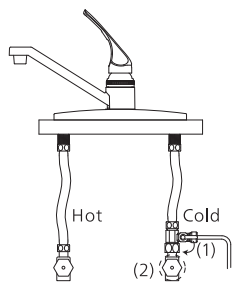
c. Reconnect the cold water hose:

- Install the three-way ball valve on the cold water valve. Please do not miss the gasket in the three-way ball valve.
- Attach the cold water hose to the three-way ball valve and tighten it securely with a wrench. Please do not miss the gasket in the water hose.



d. Switch off the three-way ball valve:

- Turn on the cold water supply.
- Wipe the connections with a tissue to see if there is leakage. If the tissue stays dry, it means the three-way ball valve is installed properly.



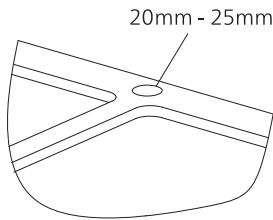
Step 2: Install the faucet

a. Before installation

NOTE:

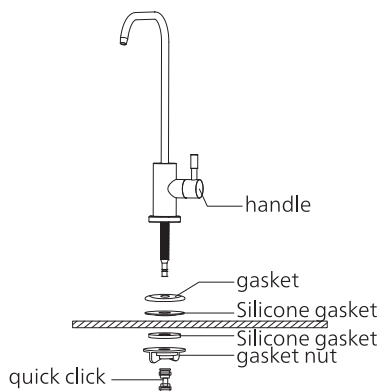
- Faucet hole (20mm - 25mm) needs to be available. If your kitchen sink or countertop does not have an existing hole (20mm - 25mm) you will have to drill one.
- It's highly recommended to have the hole drilled by a qualified trades person.

WARNING: Remember to wear safety glasses.



b. Install the faucet

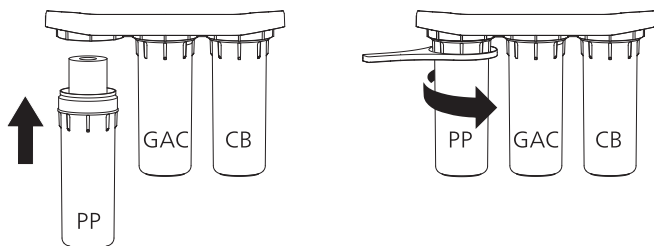
- Thread the faucet stem nut all the way onto the faucet stem and tighten to secure the faucet



Step 3: Install the main unit

a. Install the filter

- Remove the new filter cartridge from its packaging.
- Use a wrench to insert the filter into the main unit. Align the filter correctly to ensure it fits smoothly.
- Turn the filter clockwise until it locks firmly in place.



b. Install the main unit

Counter installation

- Please check if there is sufficient space for installing the system itself, its accessories, connections, and for servicing and repair. Under no circumstances should the system be installed outdoors. The environment where the system is installed should adhere to any appropriate hygiene and sanitation conditions. Avoid any external dripping liquids from pipes or drains etc. onto the system.
- This system should be placed on a stable and flat surface. Keep the system away from heat.
- It shall not be placed in a place that may have inflammable gas leakage.

Wall-Mounted Installation (Optional)

- Remove the cover from the main unit (optional) and use the built-in bracket on the back of the manifold to mark the positions on the wall for installation screws.

⚠ NOTE:

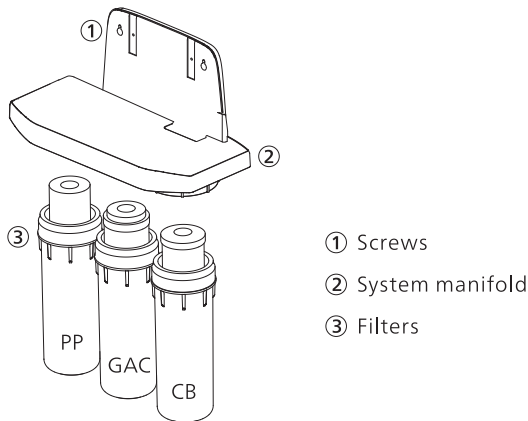
The holes should be at least 45 cm (17 inches) from the ground to allow enough space for filter replacement.

- Attach the installation hole guide sticker to the wall, ensuring it is level after application.
- Use the sticker to mark the hole locations, then drill 2 pilot holes for mounting the bracket.

⚠ NOTE:

Be careful not to drill into anything other than the cabinet wall.

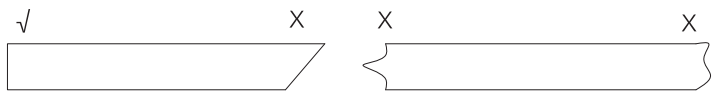
- Insert the expansion sleeve and mounting screws into the wall, leaving about 15 mm of each screw exposed.



Step 4: Installing the pipes

a. Pipe cutting

- Cut a suitable length of PE pipes, the incision should be flush, as shown in the figure below.



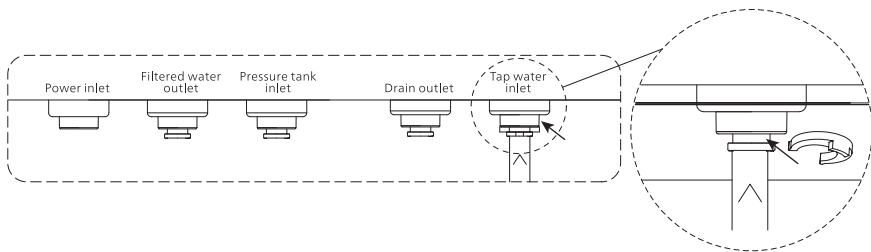
NOTE:

Make sure it is fully inserted until you reach the mark on the tubing and pop up the lock clip.

Pipes name	1/4" Filtered water pipe	1/4" Tap water inlet pipe	1/4" Drain water pipe
Corresponding color	Blue	White	Grey
Connection	Connect to the pure water outlet and water storage water	Connect to the tap water inlet	Connect to drain outlet

b. Installing the tap water pipe (white)

- Use a pipe cutter to cut a suitable length of the 1/4" pipe which is connected with the angle valve joint.
- Connect the 1/4" water inlet pipe (attached to the three-way ball valve) to the water inlet at the back of the system and then insert a quick connector clip into the card slot of the quick connector fitting.

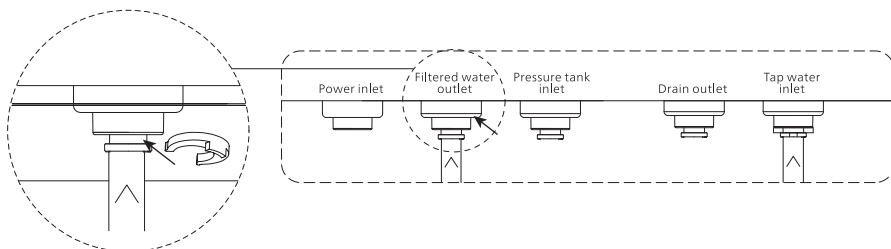


NOTE:

The inlet water pressure should be within the range of 0.1-0.4 MPa. If the pressure is too low, a booster should be installed before the system. If the pressure is too high, a pressure relief valve should be installed before the system

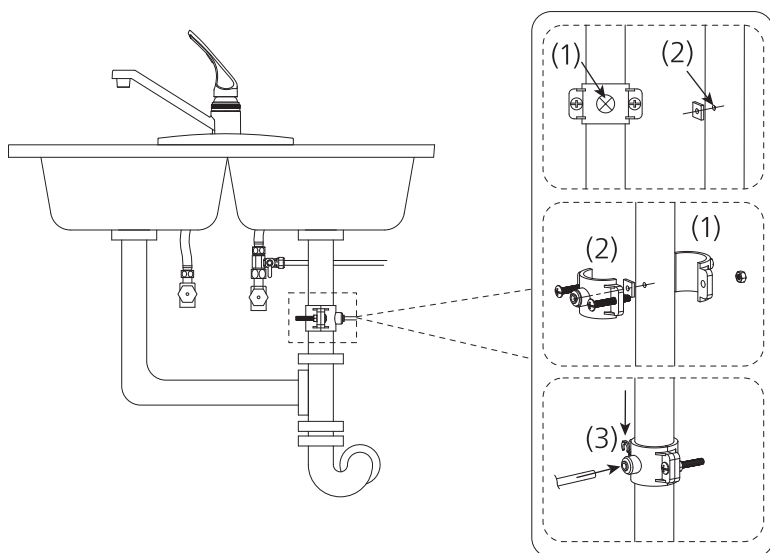
c. Installing the filtered water pipe (blue)

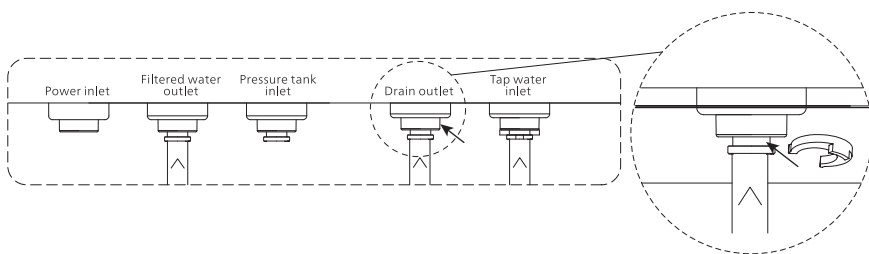
- Use a pipe cutter to cut a suitable length of the 1/4" pipe which is connected with the angle valve joint.
- Insert one end of the pipe into the quick connector installation and connect the quick connector to the faucet's stem.
- Connect the 1/4" water inlet pipe (attached to the three-way ball valve) to the filtered water outlet at the back of the system and then insert a quick connector clip into the slot of the quick connector fitting.



d. Install the drain saddle and installing the drain pipe (grey)

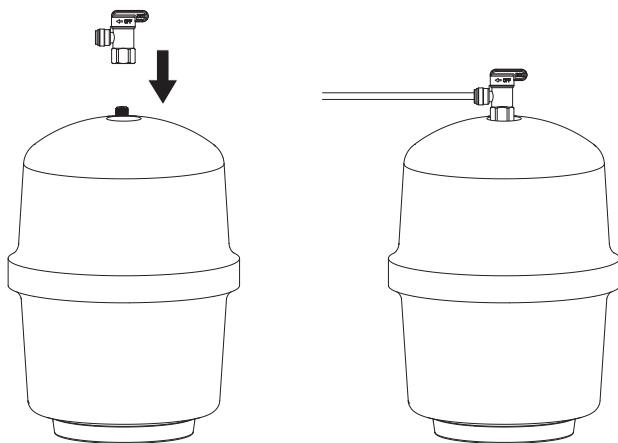
- Identify the location for the drain outlet. Drill a 6.5mm hole in the drain pipe.
- Install the drain connector as illustrated, and securely tighten the nuts.
- Use a pipe cutter to cut a suitable length of the 1/4" pipe
- Connect the 1/4" water inlet pipe (attached to the three-way ball valve) to the drain water outlet at the back of the system and then insert a quick connector clip into the slot of the quick connector fitting.



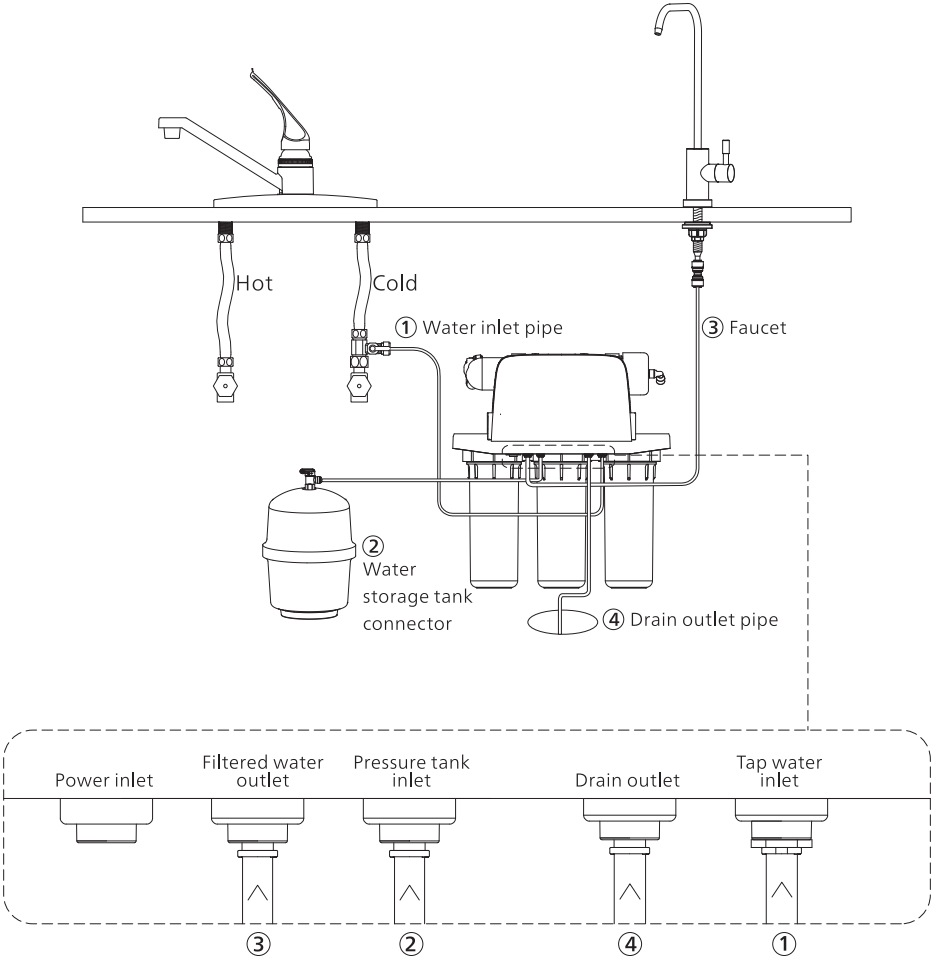


e. Connect the storage tank to the system (blue)

- Turn the storage tank ball valve clockwise until it is securely tightened and properly installed on the storage tank.
- Use a pipe cutter to cut a suitable length of the 1/4" pipe .
- Insert one end of the tubing into the storage tank ball valve and the other end into the storage tank connector at the main unit.
- If needed, rotate the storage tank to adjust the direction of the water outlet.



Step 5: Overall system connection diagram



VI. Instructions for Use

Before Use

Close the storage tank ball valve and turn on the faucet. Check all connections for leaks.

Flush the system before use:

a. Flushing the Filters:

- Close the tank ball valve.
- Turn on the faucet and let water flow through the system for 30 - 40 minutes.

b. Flushing the Storage Tank:

- Turn off the faucet.
- Open the tank ball valve and allow the tank to fill with water. wait around 20 - 30 minutes, then turn on the faucet to empty the storage tank and flush the water.
- Once the tank is empty, turn off the faucet, and the tank will refill automatically.
- Repeat the above steps twice.

The system is now ready for normal use.

Notes:

- The water flow rate will be lower than that of a kitchen faucet.
- During operation, drain water will discharge from the drain pipe. This is normal, as it is the filtered wastewater being expelled by the system.
- Drainage will automatically stop once the storage tank reaches its maximum capacity.

VII. Holiday maintenance

1. Routine maintenance

- Organic solvent such as gasoline shall not be used for wiping the housing of the device. If cleaning is required, please gently wipe the surface of the product with a wet cloth after it is disconnected from the power supply.
- If the system is not used for more than 2 days, turn on the purified water and allow the water to run for at least 10 minutes to flush the filters and the system.
- If the system will not be used for an extended period (≥ 7 days), take out the filter cartridges, seal them with plastic wraps, and store them in the refrigerator (not in the freezer).
- Turn off the three-way ball valve, turn on the purified water to empty the system, and turn off the power. Before using it again, turn on the purified water for at least 10 minutes to flush the filters and the system.

2. Filter lifetime

Note:

For the best performance, please change your filter cartridge according to the filter lifetime indicator, or the filter replacement cycle suggested below. When a significantly lower low rate is observed, we recommend changing the filters as well.

This system can only work with Philips filter.

Filter	Filter model code	System model code	Filter lifetime
PP Filter	AUT510	AUT9510/79	3-6 months
GAC Filter	AUT511	AUT9510/79	3-6 months
CB Filter	AUT512	AUT9510/79	3-6 months
Post-CB Mineral	AUT514	AUT9510/79	12 months
75G RO Filter	AUT521	AUT9510/79	24 months

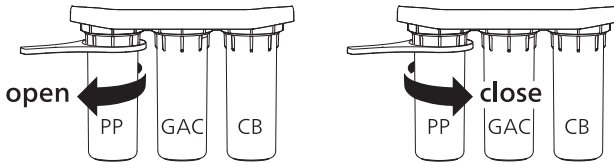
* The actual lifetime of the filter cartridge depends on the local tap water quality and daily usage. The recommended replacement cycle is an average based on different local tap water quality. If the local tap water quality is below the average, the actual lifetime of the cartridge would differ from the recommended replacement cycle. If the filter cartridge is blocked, please replace it.

3. Filter cartridge replacement

Turn off the power and the three-way ball valve before replacing the filter cartridges.
Open the faucet to drain all remaining water from the system.

a. Replace PP, GAC, CB filter

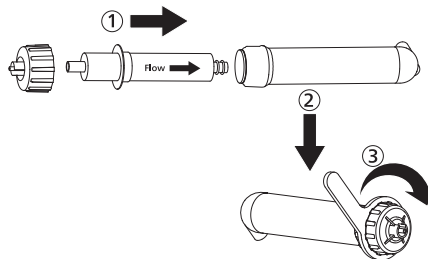
- Carefully take out the main unit from the counter or wall.
- Use the filter wrench to turn the filter housing counterclockwise and detach it from the unit. Remove the old filter cartridge from the housing.
- Unpack the new filter cartridge. Verify that the label information matches the original filter cartridge to ensure compatibility.
- Install the corresponding new filter element into the filter housing
- Reinstall the filter housing by turning it clockwise with the filter wrench until secure.



Note: When removing the filter cartridge, residual water may remain in the filter housing. Please prepare a dry towel to clean up any spills.

b. Replace the RO filter

- Detach the RO filter from its bracket.
- Unpack the new filter cartridge. Verify that the label information matches the original filter cartridge.
- Please install the RO filter into the filter housing along the arrow direction on the filter label, and make sure the arrow direction is inward



Note: Please be careful not to reverse the filter element.

c. Replace the post-RO carbon block filter

- Detach the post-RO carbon block filter from its bracket.
- Using a flathead screwdriver, carefully pry the end joints of the filter element to separate it from the joint.
- Take the new filter element and insert its connector firmly into the connection port.
- Place the newly installed filter back into the main bracket, ensuring it is securely positioned.



d. Filter reset (only available on AUT9610CV)

- Long press the filter reset button for 3 seconds, then you will hear a beep sound, indicating that the system has entered filter selection mode. The 1-2-3 indicator lights will begin flashing.
- Short press the reset button to cycle through the filter options.
- The indicator lights (1-2-3) will flash sequentially (1-2-3) → (4) → (5) → (1-2-3) to indicate the selected filter element.
- Once the desired filter is selected, press and hold the reset button for 5 seconds to confirm and reset the selected filter cartridge.

e. Leakage Check After Filter Replacement

After replacing the filter element, wipe the connections with a tissue to see if there is leakage. when the system is running with water.

If a leak is detected:

- Inspect the sealing ring to confirm it is properly installed and not missing.
- If the sealing ring is in place, further tighten the filter element until the leakage stops.

Ensure there are no leaks before continuing normal operation.

f. Flush the filter element after reset

After the filter replacement is done, open the three-way ball valve, and close the valve of the water storage tank, let the water flow through the system for 30 minutes to rinse the new filter element

VIII. Troubleshooting

Problem	Possible causes	Solutions
Leakage.	Component damage.	Turn off the three-way ball or contact consumer care.
	The pipeline or filter element is not properly connected.	Check if the filter element is installed properly or if the pipeline is tightened.
No water comes out from the faucet.	Cold water valve or the three-way ball valve is turned off.	Turn on the valves.
The flow rate gets slower.	Pipe twisting or bending.	Check all water pipes smoothly.
	The three-way ball valve is not fully open.	Ensure that the three-way ball valve is fully open.
	Filter is blocked.	Replace the filter.
	The pressure tank ball valve is not fully opened	Ensure that the pressure tank ball valve is fully opened
	Insufficient water storage in the storage tank.	Check whether the machine's water is filtering water. If it is in the filtration process, please wait for 20-30 minutes before taking water.
No water comes out from the faucet.	Twisted drainage pipe or damaged reverse osmosis filter element.	Replace the drainage pipe or reverse osmosis filter. If necessary, please contact consumer care.
Poor outlet water quality.	Filter has reached the end of life.	Replace the filter.
	The system hasn't been used for some time.	Flush the system before use

IX. Guarantee & Service

If you need information or if you have any problems, please visit www.philips.com or contact the consumer care center in your country. If there is no consumer care center in your country, go to a local dealer. Within two years from the date of purchase, you will receive free warranty service for any damage caused by the manufacturing process, or components under normal operation confirmed by our maintenance service. The warranty service does not include frequently replaced consumable components, auxiliary devices, transportation fees, and door-to-door service. Please show the proof of purchase to the service personnel during maintenance.

X. Packing list

Water System	1X
PP filter	1X
GAC filter	1X
CB filter	1X
Post-CB filter	1X
Aquaporin Inside RO filter	1X
Filter house	3X
Filter bottle wrench	1X
RO filter bottle wrench	1X
Water storage tank	1X
Water storage tank valve	1X
Three-way ball valve	1X
1/4" Tap water inlet pipe (white)	1.5m
1/4" Drain water pipe (grey)	1.5m
1/4" Filtered water pipe (blue)	3m
Screws	5X
Expansion sleeve	5X
Faucet	1X
Faucet wall mount bracket	1X
User manual	1X
Power cord	1X
Quick connect fitting	1X
1/4" Quick connector clip	8X
Drain connector	1X
Install guide hole sticker	1X

Please keep this user manual for future reference.
The information of this user manual is subject to change without prior notice to the users.



Specifications are subject to change without notice
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