

OWNER'S MANUAL

WATER PURIFIER

Please read this manual carefully before operating
your set and retain it for future reference.



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This manual may contain images or content in addition to the model purchased.

This manual may be subjected to revision by the manufacturer.

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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

Safety Messages

 This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.

 **WARNING** - This indicates that the failure to follow the instructions can cause serious injury or death.

 **CAUTION** - This indicates that the failure to follow the instructions can cause minor injury or damage to the product.

WARNING

- To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

Technical Safety

- 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.
- This appliance is intended to be used in household and similar applications only. It should not be used for commercial, or catering purposes, or in any mobile application such as a caravan or boat.
- If the power cord is damaged or the hole of the outlet socket is loose, do not use the power cord and contact an authorized service centre.
- Do not locate multiple portable outlet sockets or portable power supplies at the rear of the appliance.
- Securely plug the power plug in the outlet socket after completely removing any moisture and dust.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the outlet socket.
- Keep ventilation openings, in the appliance enclosure or in the built in structure, clear of obstruction.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Do not tilt the appliance to pull or push it when transporting.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not spray water or inflammable substances (toothpaste, alcohol, thinner, benzene, flammable liquid, abrasive, etc.) over the interior or exterior of the appliance to clean it.
- Do not clean the appliance with brushes, cloths or sponges with rough surfaces or which are made of metallic material.

- Only qualified service personnel from LG Electronics service centre should disassemble, repair, or modify the appliance. Contact an LG Electronics customer information centre if you move and install the appliance in a different location.
- New hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.
- Connect the water pipe of the appliance to potable water only.
- Disconnect the power cord before cleaning the appliance interior or exterior.

Installation

- This appliance should only be transported by two or more people holding the appliance securely (applies only to stand water purifiers).
- Install the appliance on a firm and level floor/wall.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, rain, or temperatures below freezing.
- Do not place the appliance in direct sunlight or expose it to the heat from heating appliances such as stoves or heaters.
- Be careful not to expose the rear of the appliance when installing.
- Install the appliance in a place where is easy to unplug the power plug of the appliance.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- Do not connect a plug adapter or other accessories to the power plug.
- Do not modify or extend the power cable.
- Do not use an extension cord or double adapter.
- Do not plug the appliance into a multi socket adapter which does not have a power cable (mounted).
- Do not use a multi socket outlet which is not properly grounded (portable). In case of using a properly-grounded multi socket outlet (portable), use the multi socket outlet with the current capacity of the power cord rating or higher and use the multi socket outlet only for the appliance.
- The appliance should be connected to a dedicated power line which is separately fused.
- Do not plug the appliance into multiple outlet sockets, power boards, or an extension power cable.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.

Operation

- If water penetrates electrical parts of the appliance, disconnect power plug and contact an LG Electronics customer information centre.
- Unplug the power plug during a severe thunderstorm or lightening or when not in use for a long period of time.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not bend the power cable excessively or place a heavy object on it.
- Immediately unplug the power plug and contact an LG Electronics customer information centre if you detect a strange sound, odour, or smoke coming from the appliance.
- Do not place hands or metallic objects inside the area emitting the cold air, cover or heat releasing grille on the back.
- Do not place heavy or fragile objects, containers filled with liquid, combustible substances, flammable objects (such candles, lamps, etc.), or heating devices (such as stoves, heaters, etc.) on the appliance.

- Do not use flammable or combustible substances (ether, benzene, alcohol, chemical, LPG, combustible spray, insecticide, air freshener, cosmetics, etc.) near the appliance.
- If water is leaking from the inside of the appliance or water has collected near the appliance, close the water supply valve, unplug the power plug.
- Do not move the appliance while the appliance is plugged in.

⚠ CAUTION

- To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Operation

- Replace the filter with a LG standard filter periodically according to the replacement period. Older filters can multiply bacteria or change the taste of the water. The filter replacement period varies according to the usage, place of usage, season, and water quality.
- Do not bend or pinch the water supply hose and drain hose.
- Do not allow pets, or any persons to hang from or climb on the appliance.
- Prevent animals from nibbling on the power cable or water hose.
- This feature is only available on some models. The tempered glass on the front side of the appliance can be damaged by an impact. If it is broken, do not touch it with hands.

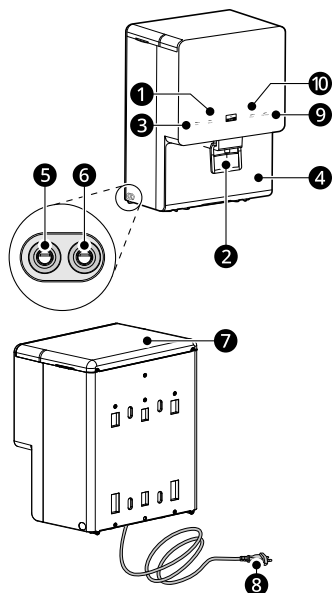
Maintenance

- This feature is only available on some models. Do not clean glass covers with warm water when they are cold. They may shatter if exposed to sudden temperature changes.

INSTALLATION

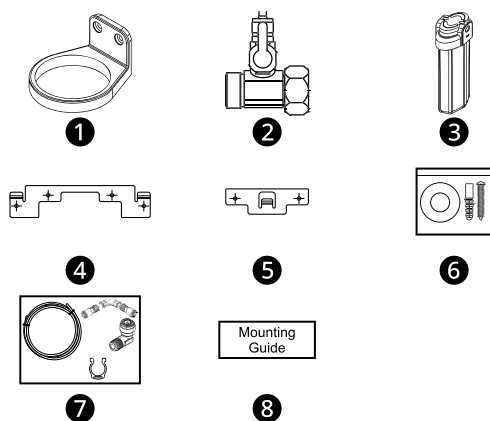
Parts and Function (For WW176GTBW Series)

Front & Rear



- ① Tank Full Indicator
- ② Touch Lever
- ③ Power Indicator
- ④ Filter Cover
- ⑤ Water Supply Hose
- ⑥ Drain Hose
- ⑦ Top Cover
- ⑧ Power Cord
- ⑨ Filter Change Indicator[^]
- ⑩ UV Sterilizing Indicator

Accessories



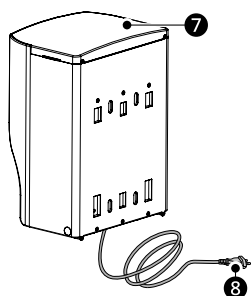
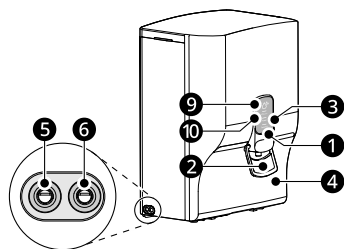
- ① Mounting Bracket
- ② Adaptor
- ③ Out Sediment Filter with Anti Scalant Module
- ④ Upper Mounting Plate (1 EA)
- ⑤ Lower Mounting Plate (1 EA)
- ⑥ Screw Kit
 - Screw (6 EA)
 - Anchor (6 EA)
 - Teflon Tape (1 roll)
- ⑦ Hose Assembly
 - Hose (1 EA)
 - Connector (2 EA)
 - Locker (2 EA)
 - Connector Pipe (1 EA)
- ⑧ Mounting Guide

[^] Applicable for Out-sediment filter

INSTALLATION

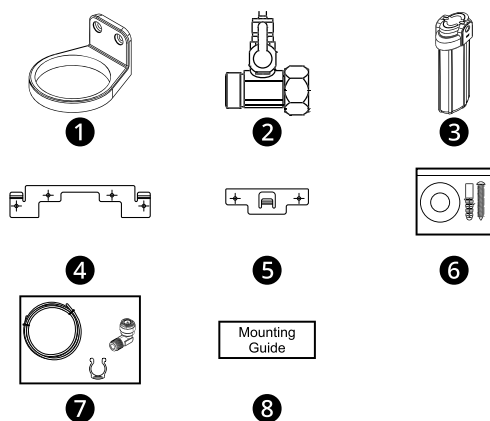
Parts and Function (For WW151NT/131NF Series)

Front & Rear



- ❶ Tank Full Indicator
- ❷ Touch Lever
- ❸ Power Indicator
- ❹ Filter Cover
- ❺ Water Supply Hose
- ❻ Drain Hose
- ❼ Top Cover
- ❽ Power Cord
- ❾ Filter Change Indicator[^]
- ❿ UV Sterilizing Indicator^{*}

Accessories



- ❶ Mounting Bracket
- ❷ Adaptor
- ❸ Out Sediment Filter with Anti Scalant Module
- ❹ Upper Mounting Plate (1 EA)
- ❺ Lower Mounting Plate (1 EA)
- ❻ Screw Kit
 - Screw (6 EA)
 - Anchor (6 EA)
 - Teflon Tape (1 roll)
- ❼ Hose Assembly
 - Hose (1 EA)
 - Connector (2 EA)
 - Locker (2 EA)
- ❽ Mounting Guide

[^] Applicable for Out-sediment filter

^{*} For selected models only

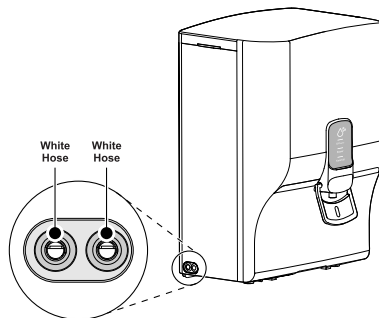
Notes for Installation

- Keep a distance of 10cm from all sides of the product.
- When connecting the water hose, do not connect it to the hot water pipe. Doing so may cause malfunctions.
- Check the pipe and hose connections for leaks. Water can leak and cause electric shock or injury.
- When transporting the product, do not tilt the product over 30 degrees. Doing so can cause malfunctions.
- For best usage of product, it is recommended to have surrounding temperature range of (4°C to 45°C). Not doing so can cause product malfunctioning.
- Avoid installing the water purifier in a place with a non-leveled horizontal surface, relative humidity of >85%, direct sunlight, dust and direct water splashing.
- Model no's WW176GTBW/151NT/131NF can only be wall mounted and should not be installed on a table/ counter top as it may malfunction & warranty may be void.
- Height between immediate Water reservoir tank to Water purifier inlet should be more than 1 meter for effective working of the product.



Installing water purifier

- 1 Connect the product hoses as shown below.
 - Cut the Hose roll into two parts as per required length for IN & OUT(drain) water supply printed in machine .
 - Connect the white IN hose (water supply) to tap water.
 - Install the White OUT hose (drain) on the sink.



- 2 Connect the power cord to an appropriate socket.
- 3 Open the water supply valve.
- 4 After installation, discharge water for the first time when water tank is full. Same process is to be followed after every filter change or digital sterilization. Approximate time taken to fill the tank to the fullest is 1 hour, depending on water pressure, temperature etc.

⚠ CAUTION

Handle all packaging materials (such as plastic bags and thermocol) to keep away from children. The packaging materials can cause suffocation.

Important Note: All models can only be installed with water supply from overhead storage tank. No other water supply should be used for installation of these models.

OPERATION

Notes for Operation

- Open the water supply valve. The water purifier operates normally only when water is supplied properly.
- It is very important to replace the filter periodically in order to drink clean water. When using an expired filter, the performance of water filtration system can deteriorate. Always abide by the filter replacement period.
- If product has not been used for 2 or more days, discharge the stored water from water purifier tank.
- Do not use purified water for replacing water in the humidifier or fishbowl.
- Use the product only after closing the product cover completely. Otherwise, insects or other foreign substance may get in.

Note

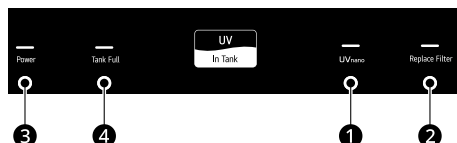
- The reverse osmosis contains a replaceable treatment component critical for the effective reduction of total dissolved solids and that product water shall be tested periodically (during service engineer visit) to verify that the system is performing properly.
- Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.

Recommendation (when product not in use)

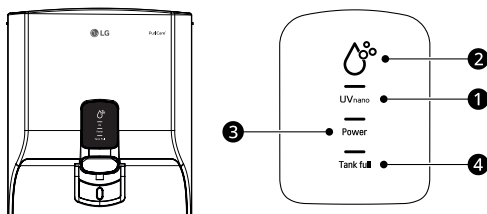
- If the Product will not be used for 2 or more days, unplug the power plug and close water supply valve before leaving premises and drain the water inside of water filtration (including tank) system completely before consumption of water.

Using Control Panel

(For WW176GTBW Series)



(For WW151NT/WW131NF Series)



- 1 UV Sterilizing Indicator*
Purified water is sterilized by the UV LED. When UV LED indicator will glow, it indicates that UV sterilization is **ON**.
When tank cover is open, UV LED will be automatically turned off for your safety.

Note

- The UV LED operates in any of the following 2 cases.
 - It operates for 75 minutes in every 6 hours.
 - It operates for 75 minutes after approximately 2 seconds when power is turned on following a power failure.
- Disclaimer:
UV nano is a compound word derived from the words UV and its unit, nanometre.

* For selected models only

② Filter Change Indicator/Replace Filter Indicator*



This feature is applicable for only out sediment filter. When the color of indicator changes from blue to amber (WW151 Series), or when filter change indicator glows (WW176GTBW)

Series this indicates that it is time for preventive maintenance service.

Please call LG customer care for service.

③ Power Indicator



The Power LED glows to indicate ON condition of water purifier.

④ Tank Full Indicator



When the water storage tank gets filled up completely then tank full indicator will turn ON.

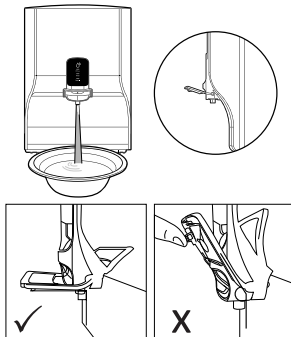
Operation

Using Purified Water

When you press the touch lever, purified water will come out. If you wish to dispense continuously, lift the touch lever upward.

NOTE

If you wish to discharge continuously, lift the touch lever upward.



CAUTION

- Open this lever to 90° degrees only. Opening more than 90° degrees may cause it to malfunction/damage.

Important note for all models:

All models of water purifier comes with a unique flow sensor (To protect the product from running without water supply) which turns on only if there is running water supply to water purifier. If no/lower water supply than specified limit is available, then water purifier will stop for 15 minutes and later, runs again for few seconds to check water supply.

If water supply is detected, then water purifier will work normally otherwise it will repeat to check cycle again. If water supply is available & you want to start water purifier immediately, just turn off the power supply and wait until the Display gets turned off, and turn on the power again.

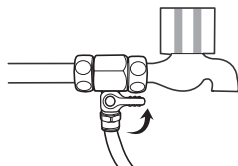
* For selected models only

MANAGEMENT

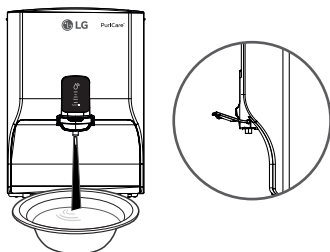
Cleaning

How to clean the storage tank

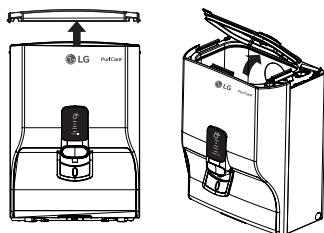
- 1 Close the water supply valve.



- 2 Drain water inside the storage tank completely using the drain hose and the water outlet.



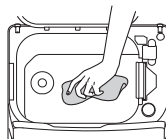
- 3 Unplug the power cord.
 - 4 Open the top cover by lifting it upward, and then unlock the storage tank cover.
- ⚠ CAUTION:** Handle with care, sharp edges may cause injury.



⚠ CAUTION : Do not put pressure or weight on tank cover, it may cause damage or injury.

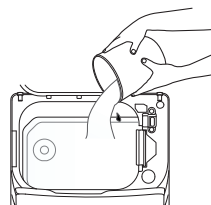
- 5 Wipe the surface of the storage tank with soft clean cloth.

⚠ CAUTION : Avoid touching any interconnecting part inside water tank. it may cause damage to the product.

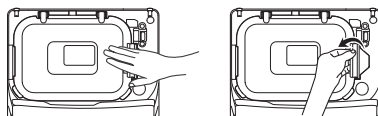


- 6 Rinse the storage tank with purified water and drain the water completely.

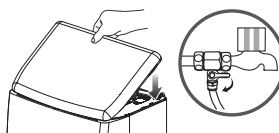
⚠ WARNING : Take care of water spattering, it may cause electric shock.



- 7 Insert and lock the storage tank cover.



- 8 Close the top cover, plug in the power cord and open the water supply valve.



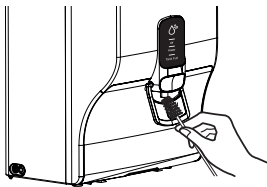
- 9 After installation, filter change or digital sterilization when tank is full, discharge water for the first time. (approximately time taken to fill the tank to fullest is 1 hour, depending on water pressure, temp etc)

NOTE

- **⚠ WARNING:** Unplug the power cord when cleaning the storage tank. It may cause electric shock.
- **⚠ CAUTION:** Clean the tank by only using purified water. Do not use chemical or detergent for cleaning the storage tank. Chemical or detergent will not be washed away completely, it can be harmful to the human body.

How to clean water outlet

- 1 Clean the water outlet periodically using a soft clean brush. Fur or foreign substances may accumulate in the water outlet.



* For selected models only.

Maintaining the filter

Process of Purification

Drinking Water

Step 1:

Out sediment filter with anti scalant module

- Removes big particles, rust stains, mud etc. and reduces input water hardness to enhance filter life.

Step 2:

Sedi + Carbon filter

- Removes unseen dregs and other contamination & removes invisible fine particles, residual chlorine, VOC (Volatile Organic Compounds) etc.

Step 3:

RO recovery filter*/ RO recovery plus filter*

- Removes dissolved impurities and removes heavy metals, bacteria, viruses, VOC etc. from water.
- TDS Reduction upto 90% ppm of Source Water.

Step 4:

(For WW131NF Model)

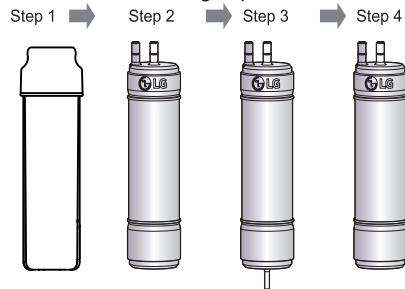
Post-carbon filter

- Removes odour & improves taste of water.

(For WW151NT/WW176GTBW models)

Mineral booster filter

- Removes odour, add minerals in the purified water without mixing impure water.



NOTE

- Do not use water drained from the product for drinking or cooking.
- Use the water instead for cleaning the bathroom and house, gardening or for other various purposes.
- Activated carbon inside the filter may sometimes flow in the storage tank. If so, a fine powder of activated carbon used in the post-carbon filter has come out, and it is harmless to the human body. If found, drain out the water from tank completely.

Filter replacement period

The filter replacement period refers to the period that the purification performance of the filter is maintained. And, the replacement period is lesser in the case of a place with poor water quality or a large purification amount.

Filter name	Recommended purification amount**(in litres)
Out sediment filter Anti scalant module*	3000 6000 *
Sedi + Carbon filter*	6000
RO recovery filter* RO recovery plus filter*	6000
Post-carbon filter*	6000
Mineral booster filter*	6000
UF membrane filter*	6000

* For selected models only.

** As per LGEIL standard.

Anti-scalant module is applicable with out sediment filter only for (WW176GTBW/WW151NT/WW131NF) Series)

⚠ WARNING

- Filter replacement and/or AMC request can be only placed via calling LG Customer care.
- Warranty shall be void in case of use of Counterfeit (duplicate) filters or replacement of filters from Unauthorized sources.
- Using Counterfeit filters or procuring filters from unauthorized sources may negatively impact or degrade product performance and product life. It may not be safe drinking water and may also impact user's health.
- LG shall not be responsible for any damage arising directly or indirectly out of any defect being noticed in the product due to usage of such Counterfeit filters.

NOTE

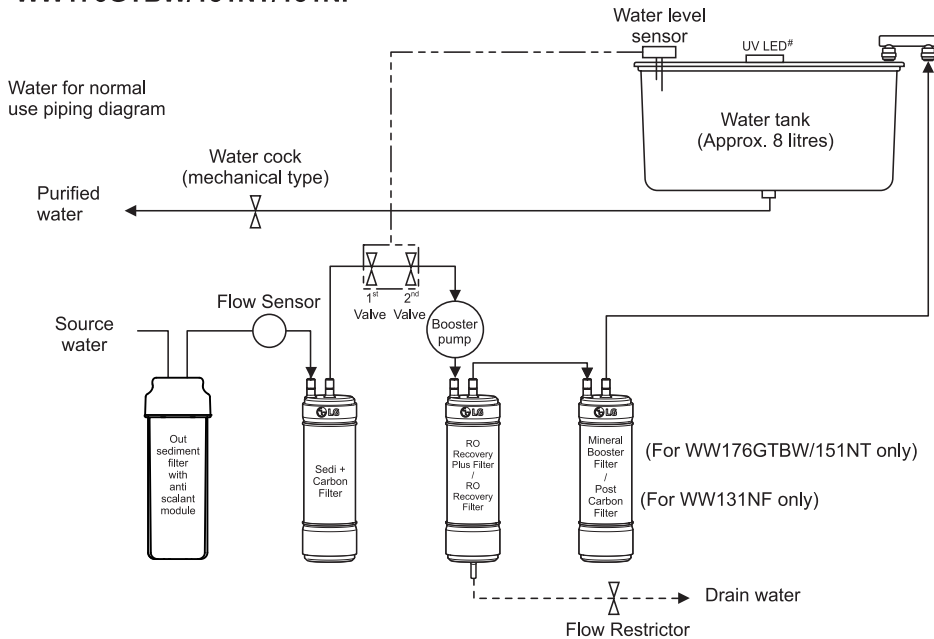
- If you wish to replace the filter, contact LG Electronics service centre.
- After replacing the filter, check if there is a leak from the product.
- After installation, discharge water for the first time when water tank is full. Same process is to be followed after every filter change or digital sterilization. Approximate time taken to fill the tank to the fullest is 1 hour, depending on water pressure, temperature etc.
- For RO recovery plus filter, $\geq 60\%$ of supplied water (based on the tap water pressure of 8.8 kgf/cm² (0.86 MPa), up to 2000 mg/L TDS at water temperature of 25 °C) will be purified and remainder will be drained.
For RO recovery filter, $\geq 40\%$ of supplied water (based on the tap water pressure of 8.8 kgf/cm² (0.86 MPa) at water temperature of 25 °C and Input TDS up to 1500 mg/L) will be purified and remainder will be drained.
- **⚠ CAUTION** : Outsediment filter may get choked in abnormal turbidity (Sand & mud) condition, it is suggested to switch ON water purifier after 1-2 hour of overhead tank filling so that sand/mud will get settled. Outsediment filter should be cleaned regularly to prevent choking in above condition for better performance.

TROUBLESHOOTING

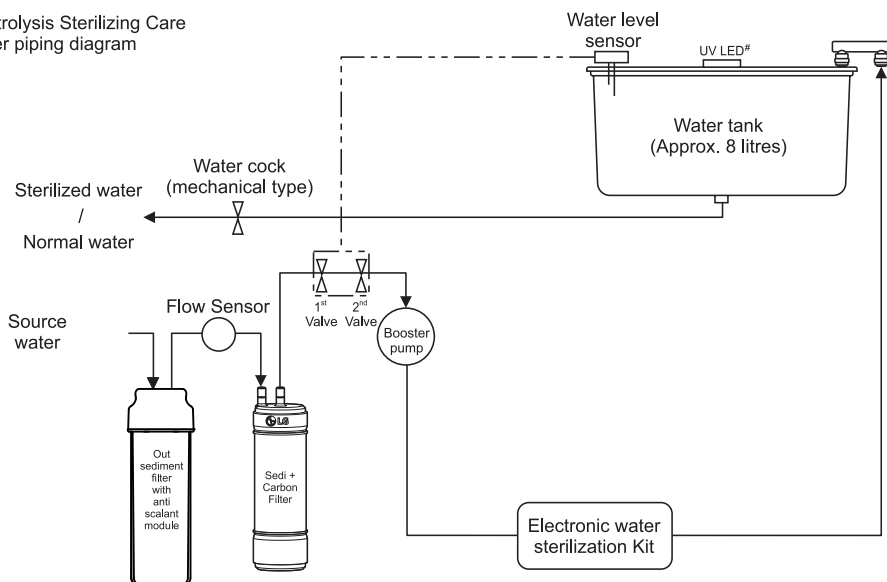
Symptoms	Reason	Solution
Water tastes strange	Have you left the water purifier for a period of 2 or more days without using it?	The taste of water may change as it ages. Contact LG Service. Use the water purifier after discharging the tank one time in case issue persists please contact LG service.
	Has it been a long time since you installed and replaced the filter?	If an expired filter is used, the purification performance may decline. It is recommended to replace the filter according to the filter replacement period.
The purification amount has reduced suddenly.	Is it time to replace the filter?	Request for filter replacement.
	Is the water supply valve closed?	Open the water supply valve.
Water does not come out.	Did you miss the filter replacement period?	Request filter replacement.
	Is the water supply valve closed?	Open the water supply valve.
	Is the power plug unplugged from the outlet?	Plug the power plug in the outlet correctly.
	Does water not come out when you press the discharge lever?	Contact LG Electronics service centre.
The product is noisy and generates abnormal sounds.	Is the product installed on a weak floor or not installed on a stable surface?	Install the product in a place with horizontally leveled surface.
	Is an article placed on top of the product?	Remove the article placed on top of the product.
Fine particles occur in the purified water.	Did water bubbles form?	- Water bubbles may form in the draining process. It is safe for you to drink. - If fine particles exist continuously after you receive water from the water purifier and several minutes have passed, cut off the tap water supply and power supply and contact LG Electronics service centre.

WATER PIPING DIAGRAM

WW176GTBW/151NT/131NF



Electrolysis Sterilizing Care Water piping diagram



UV LED is only applicable for WW176GTBW and WW151NT

PRODUCT SPECIFICATION

Model name		WW176GTBW	WW151NT	WW131NF
Purification Method	Drinking Water	Reverse osmosis	Reverse osmosis	Reverse osmosis
	Fruit & Vegetable cleaning water	-	-	-
UV Sterilization		Yes	Yes	-
Rated Voltage		230 V – 50 Hz		
Power Rating		Water purifying: 40 W		
Volume of Tank		Approx. 8 L		
Filter Material	Out Sediment Filter* and Anti scalant module	Polypropylene Module and Polyphosphate Module		
	Sedi + Carbon Filter*	Polypropylene Module + Activated carbon		
	RO recovery filter* RO recovery plus filter*	Polysulfone + polyamide		
	Post Carbon Filter*	Activated Carbon		
	Mineral Booster Filter*	Activated Carbon + Mineral Booster		
Dimension		365 mm (W) x 264 mm (D) x 508 mm (H)	365 mm (W) x 283mm (D) x 506 mm (H)	
Net Weight		10.3 kg	9.3 kg	9.2 kg
Installation water pressure limit		0.01 - 0.86 MPa (0.1 - 8.8 kgf/cm²)		
Internal Operating Pressure		Min. 0.140 MPa (avg. 0.68 MPa) (before filtration)		
		Recommended input water quality		
Total Dissolved Solids (TDS)		≤ 2000 mg/L	≤ 1500 mg/L	
Total Hardness		≤ 425 mg/L		
Turbidity		≤ 5 NTU		

* For selected models only.

