

OWNER'S MANUAL

DEHUMIDIFIER



For safe and easy use of the product please read the manual before use.

This appliance is an indoor home appliance for use only at home.

Do not use this appliance for commercial, experimental or industrial purposes.



This appliance is using R32 mildly flammable refrigerant.

Model: WD25GVKF0

EN ENGLISH



MFL68026054
Rev.00_100623

www.lg.com

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The illustrations and contents in this manual may differ from the model purchased by you. This manual is subject to revision by the manufacturer.

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To reduce the risk of property damage and personal injury, please follow all instructions when using this product.

Safety alert symbol and its meaning



This symbol alerts you to potential hazards and operation.

Please read the part with this symbol carefully and follow instructions to avoid danger.



WARNING

You may be killed or seriously injured if you do not follow instructions.



CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

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. Do not allow to be used as a toy. Close attention is necessary when used by or near children.



This symbol indicates that this appliance uses a mildly flammable refrigerant. If the refrigerant is leaked and exposure to an external ignition source, there is a risk of fire.



This symbol indicates that this Manual should be read carefully.



This symbol indicates that a service personnel shall be handling this equipment with reference to the Installation Manual.



This symbol indicates that information is available such as the Operating Manual or Installation Manual.



WARNING

When installing the dehumidifier

- **Do not damage, alter, excessively bend, twist, pull, pinch or heat the power cord.**
Damaged cords may lead to fire and electric shock.
- **Do not use an extension cord.**
Overloaded appliance may result in fire.
- **Do not use loose or damaged wall outlets.**
It may cause electric shock or fire.
- **In the event of a gas leak, do not operate this appliance. Open a window to ventilate the area immediately.**
This may lead to explosion, fire or burning.

- **Do not disassemble, repair, or modify the product without authorization.**
Fire and electric shock may occur.
- **Do not place nor install near flammable or explosive materials.**
Failure to do so may result in fire and product failure.
- **Make sure that the ventilation area is unblocked.**
- **Do not install the appliance near explosive atmospheres.**
- **Use only those parts listed in the service parts list. Do not attempt to modify this product.**

When using the dehumidifier

- **Insert the power plug firmly so it cannot come loose.**
The poor connection may cause a fire.
- **Do not touch the power plug with wet hands.**
Otherwise, it may cause an electric shock and injury.
- **Do not modify or extend the power cord.**
Fire and electric shock may occur.
- **If the product emits unusual noise, odor or smoke, please unplug the power plug and contact the customer service center.**
This may lead to explosion, fire or burning.
- **Do not place heavy objects on the power cord or put the power cord under the appliance.**
Otherwise, it may cause a fire or an electric shock.
- **Do not clean the product with water.**
Otherwise, it may cause an electric shock or product failure.
- **Do not block the inlet and outlet of air flow.**
It may cause poor performance or failure.
- **Do not cover the power cord with a rug.**
Placed with heavy objects, the power cords may be damaged, which may lead to fire or electric fire.
- **Do not place combustion appliances directly in the path of the product's airway.**
Doing so could result in incomplete combustion or deformation by heat.
- **Keep the product away from fire.**
It may cause a fire.

- **Do not use the product in places where it could be splashed by water.**
It may cause a fire or electric shock.
- **Do not insert fingers, sticks and others into the air inlet or outlet.**
The fan is running at high speeds and could cause personal injuries.
- **Internal cleaning shall be performed by authorized personnel only and do not use harsh detergent that causes corrosion.**
It may cause product failure, fire or electric shock.
- **Please disconnect the power cord and contact the service center if the appliance is damaged or needs to be replaced.**
- **Do not block the inlet or outlet of air flow.**

Technical safety

- **A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts.**
- **Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from a technicians trained by LG, which authorises their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.**
- **Installation or repairs made by unauthorized persons can pose hazards to you and others.**
- **To ensure safety, do not allow unauthorized personnel to inspect, deal with or damage the refrigerant pipes.**
- **Do not ask repair personnel not from the dealers appointed by the manufacturer to repair the appliance. If necessary, make sure that such repair personnel have relevant knowledge and skills of flammable refrigerants.**
- **The information contained in this manual is intended for use by a qualified repair personnel familiar with the safety specification and equipped with suitable tools and testing instruments.**
- **Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.**
- **Compliance with local wiring regulations shall be observed.**
- **When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using genuine replacement parts.**
- **The appliance must be grounded properly to minimize the risk of electric shock.**
- **Do not cut or remove the ground prong from the power plug.**
- **Connect the ground terminal to the housing screw. Do not screw the ground wire to a non-metallic material. The housing ground must be connected to the indoor ground wire.**
- **The refrigerant charging and vacuum treatment used in this appliance require standard processing procedures. Before they doing so, please consult with qualified service personnel or dealers.**
- **If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**

- The product shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).
- The product shall be installed properly to prevent damage to machinery/equipment and bodily injury during the operation.

CAUTION

When installing the dehumidifier

- **Use this appliance only for its intended purpose.**
This product is not designed for preserving precision instruments, tableware or art works.
This may deteriorate product quality.
- **Perform ventilation regularly.**
Pay particular attention to the combustion appliances. Otherwise, oxygen deficiency could occur.
- **When unplugging power cord, do not pull out by grasping the cord.**
Otherwise, it may cause an electric shock and injury.
- **Do not forcefully pull on the extension hose.**
It may cause hose damage or deformation.
- **Do not use the product in places where chemicals are used.**
Chemicals and solvents dissolved in the air in places such as hospitals, factories, laboratories and hair salons could cause the product to become deformed, causing the dehumidified water to leak and wet nearby household items, equipment and others.
- **When cleaning the product, unplug the power cord.**
The fan rotates at a high speed and will cause injury.
- **Use a filter.**
If used without installing a filter, it may shorten the life of the product, and may also cause electric shock or injury.
- **Product must be placed on a safe and hard surface floor.**
If the product is on an unstable surface, it may vibrate and make noise. If the product is tilted or laid down, the dehumidified water could overflow and the product could malfunction.

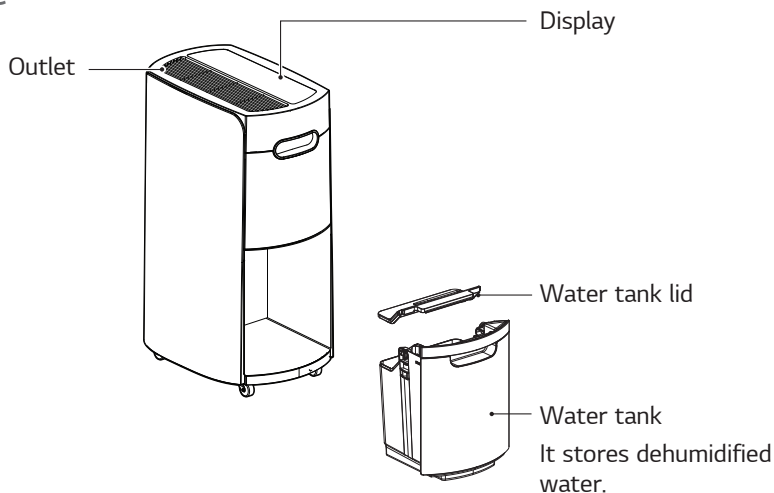
When using the dehumidifier

- **Do not use the product for preserving animals/plants, precision instruments, art works and other special purposes/venues.**
It may cause property damage.
- **Do not mount on the product or place objects on the product.**
It may cause falling injury.

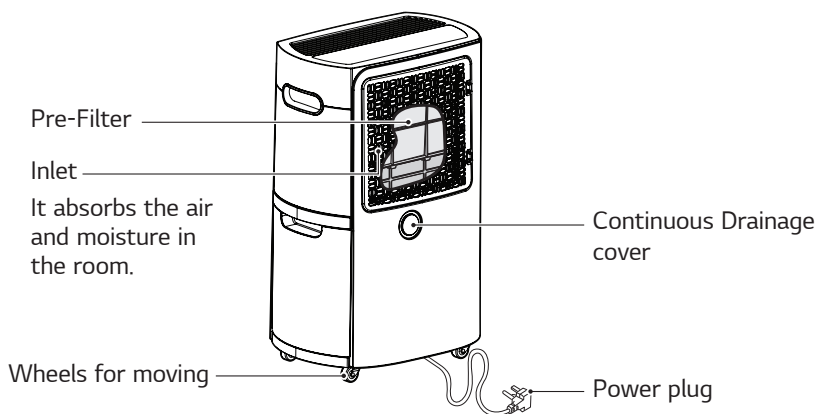
- **Do not place vases or water jars on the dehumidifier.**
If the water flows into the dehumidifier, it could result in fire or electric shock.
- **Turn off dehumidifier and empty the water tank before moving the dehumidifier.**
The water could overflow from the tank, wetting household items or causing fire or electric shock.
- **Pull out the power plug if you will not be using the product for an extended period.**
It may cause product failure or fire.
- **Do not use the product in a very small space such as closet.**
Failure to do this could result in poor ventilation or overheating or fire.
- **Do not use wax, thinner or a strong detergent when cleaning. Wipe the product using a soft cloth.**
Using inappropriate cleaning products could cause the product to become discolored or develop surface flaws.
- **Do not use the product in direct sunlight or rain.**
The product could overheat, causing fire or electric shock.
- **Do not touch the product with wet hands.**
Doing so could result in electric shock.
- **Supervision is necessary if this appliance is used by children or people in need of help for safety use.**
It may lead to accident or injury.
- **Do not keep the power cord tied up when using the product.**
The power cord could overheat, resulting in fire.
- **Do not spray foreign substances or water into the sensor hole.**
This could result in electric shock or malfunction.
- **Do not use the product at unstable voltage for a long period of time.**
The product may automatically shut off to protect itself. This could result in electric shock or malfunction.
- **To prevent danger, if the power cord is damaged, be sure to ask a service technician for repair.**
Otherwise, it may cause fire, electric shock, and product failure.
- **Do not allow children to mount on the product or touch it without supervision.**
It may lead to accident or injury.
- **Do not lay down or tilt the product.**
It may cause failure or a decrease in the product lifespan. If the product being laid down or tilted, leave it stand upright for 1 hour to 1 hour and 30 minutes before use.

NAME OF EACH PART

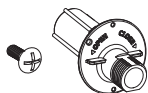
Front side



Back side



Components



※ Components may differ in each product.

Drain adapter

※ Screws included

CHECKLIST BEFORE USAGE

Dehumidification amount charges according to indoor temperature and relative humidity.

- If the temperature or relative humidity is low, dehumidification amount is decreased.
- Dehumidification is performed with compressor operation only when the desired humidity is lower than the current humidity.

The product can operate in the temperature boundary of 5 °C ~ 32 °C.

- At 1 °C or less, dehumidifier water will freeze, and dehumidification cannot be performed.
- If it is over 32 °C, the temperature inside the dehumidifier will rise, and there will be cases of stopping the operation by protective device activation to avoid excessive usage.

When the dehumidifier is under operation, the indoor temperature will rise while the dehumidifier is running.

- This dehumidifier does not have temperature control functions.
- The dehumidifier generates heat while operating, raising the room temperature by about 2 °C ~ 3 °C depending on the usage conditions (room air pressure and room size).
- The compressor starts to operate for dehumidification, so the sound becomes louder during operation within 1-2 seconds.
- In the smart dehumidification mode, when the current humidity is lower than the set humidity or Ionizer is used alone, the compressor stops running, so the operating sound decreases.

The current humidity displayed on the panel varies from indoor humidity depending on the surrounding environment and product location.

The dehumidification can be restarted after three minutes.

If you attempt to restart the dehumidifier immediately after stopping it, the compressor will start running again after about 3 minutes for product safety reasons.

It automatically protects the product during the continuous operation.

If it is operated for 24 hours or more continuously, the compressor will stop automatically to protect the product, and it will restart after 1 hour.

Please have gap of 30 cm or more from the wall.

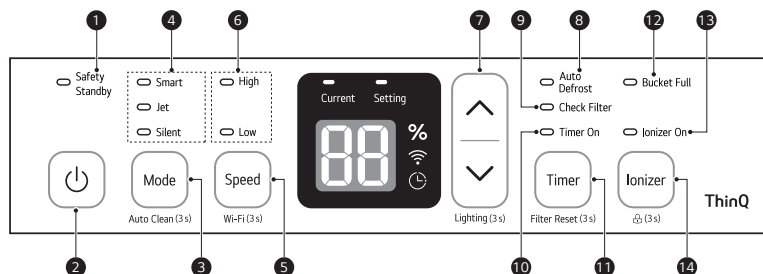
If it is not ventilated well, the air suction performance will be degraded.

There may be water remaining in the drain water tank at the first time usage.

There may be water remaining in the drain water tank by the product outgoing inspection to check the normal operation of the product. It is not a failure.

When the product is not to be used for a long time, disconnect the power supply plug.

Display Panel



1 Safe Standby

- After 24 hours of continuous operation, the red light will be on for 1 hour.

2 Start/Stop button

- It is used to start and stop the product operation.

3 Mode button

- Select your desired mode.
 - Smart Dehumidification: To maintain pleasant indoor condition.
 - Jet Dehumidification: When you want to remove indoor moisture quickly.
 - Silent Dehumidification: When you want dehumidification in silent mode.
- The Auto Clean function will turn on/off after depressing the button for 3 seconds or more.
 - Auto Clean: This function dries inside of the dehumidifier in order to prevent mold or germs.

4 Mode indicator lamp

- Press Mode button once and related indicator will be on.

5 Speed button

- It controls the wind strength.
- When you press the Wind Speed button for 3 seconds, Wi-Fi pairing is operated.

6 Wind strength Indicator lamp

- Press Speed once, corresponding wind strength indicator lamp will be on.

7 Humidity control button

- It controls the desired humidity. (30 % ~ 70 %)
- Humidity control can be set in the units of 5 %.
- When you press the down arrow button of humidity control for 3 seconds, the lighting function is operated.

8 Auto Defrost

- The indicator is on during the defrosting.

9 Clean Filter

- The lamp is on after operation for 350 hours. Check and clean Filter.

10 Timer indicator lamp

- The lamp is on when setting Timer.

11 Timer button

- You can set the product to be turned off after the set time.
- After the filter cleaned, press it for 3 seconds to re-set operation time.

12 Bucket Full lamp

- When the water tank is full, the red indicator is on.

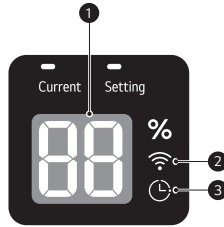
13 Ionizer operation

- The light is on when setting Ionizer function.

14 Ionizer button

- It is used to remove harmful bacterial in the air.
- When you press the button for 3 seconds or above, turn on/off the lock function.

Status Screen



① Humidity display

- Display current humidity (25-90 %) and humidity setting (30-70 %).

② Wi-Fi indicator

- The lamp is on when you set Wi-Fi function.

③ Reservation light

- The lamp is on when setting time in LG ThinQ app.

✓ CAUTION

- Due to differences in the surrounding environment and product location, the current humidity displayed on the display may differ from the actual humidity.

Quick Start

Start/Stop button

- 1 Press the power button to turn on the dehumidifier
- 2 To stop, press the power button once more.
 - All lamps will be turned off and the product stops.

✓ CAUTION

- When this product operates for the first time, Smart Dehumidification will be activated.
- The room temperature increases while the dehumidifier is running and you may hear the operation sound.
- This dehumidifier has no temperature control functions. The dehumidifier generates heat while operating, raising the room temperature by about 2°C or 3°C depending on the usage conditions (room air pressure and room size).
- At the beginning of dehumidification, the compressor will operate to increase operating noise for 1 to 2 seconds.
- At the first time of use, there may be water remaining in the tank due to product testing at the plant.
- If it is restarted right after the stop, the compressor will start about 3 minutes after the stop to protect the product.

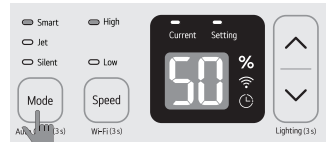
Mode

Select your desired Mode among Smart Dehumidification, Jet Dehumidification and Silent Dehumidification.

- The corresponding lamp will be on.

Smart Dehumidification

To maintain pleasant indoor condition



If you press Mode button to select Smart dehumidification mode and set the desired humidity.

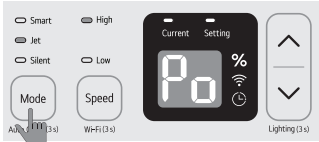
- The compressor only operates when the set humidity level below the current humidity level.
- Once the humidity level reaches the desired humidity, the compressor stops. The product will operate under a fan model. If relative humidity goes up, it will operate dehumidification again.
- The wind speed is set to high wind as default, and you can set wind speed and desired humidity.

✓ CAUTION

- If the current humidity level is lower than the humidity level required for smart dehumidification mode, the compressor will not operate and the operating noise will be reduced.

Jet Dehumidification

When you want to remove indoor moisture quickly

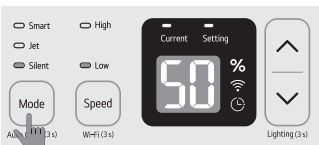


Press Mode button to select Jet dehumidification mode.

- After set Jet Dehumidification, it is under power wind (Po) operation.
- After 60 minutes, the humidity will be displayed on the screen and operate under Po in Smart Dehumidification mode.
- When it is in Jet dehumidification mode, if you select Humidity Control button or Speed button, it switches to Smart Dehumidification.
- The high-speed indicator lamp turns on during Jet mode operation.

Silent Dehumidification

When you want dehumidification in silent mode



Press Mode button to select Silent dehumidification mode.

- Silent dehumidification operation makes silent and pleasant room even during the night.
- The wind strength is set to low wind as default, and you can set wind strength and desired humidity.

Humidity control

Adjust the humidity by pressing the humidity control button $\wedge / \vee$.

- Desired humidity can be set to 30↔35↔40↔45↔50↔55↔60↔65↔70.
- Humidity can be set with the units of 5%.
- During the humidity setting, desired humidity is displayed on the humidity display part, and the current humidity is displayed after about 5 seconds.

CAUTION

- Current humidity is displayed in the units of 5% from 25%-90%. If it is less than 25%, it is displayed as 25%; and if it is 90% or more, it is displayed as 90%.

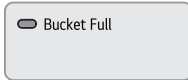
Wind Strength Control

Press Speed button to change wind amount.

- You can set the wind amount to low or high wind.

Bucket Full

When the water tank is full, operation automatically stops, Bucket Full lamp is lighted, and warning buzzer sounds. (Warning buzzer will sound one more time after 1 minutes)



- When the full water is detected, the dehumidification function immediately stops, and fan operates for 5 minutes to remove the remaining condensed water.
- Bucket Full lamp is lighted on the display panel, and the product operation stops.
- After draining, when you insert water tank again, Bucket Full lamp is turned off, and operation starts again automatically.
- When you take out the water tank, make sure to stop the product.
- If you take out the water tank during the operation, compressor will stop, and fan will operate for 5 minutes to vaporize the remaining condensed water in the heat exchanger before stopping the operation.
- Drain the water inside the water tank, and reassemble the water tank.
- Lamp will turn on if water tank is not correctly placed.
- Check if water tank fully and correctly placed.
- When you move the product or shock is imposed to the product, Bucket Full lamp may be lighted.

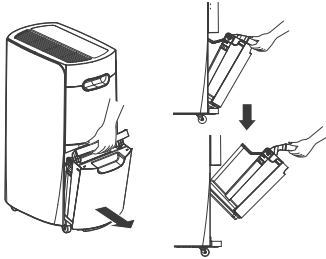
CAUTION

- Carefully take out the drain water tank.
- If you pull the water tank too hard, the water insides may spill over.
- Be careful when removing the water tank. If the water tank is tilted to pull out, it may scratch the water tank.

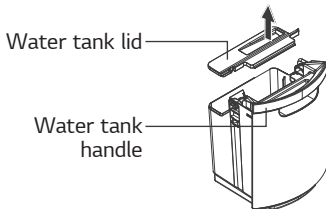


How to Empty the Water tank

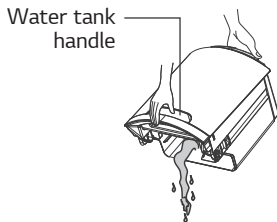
- 1 Hold the handle on the top of the water tank and gently pull it out.



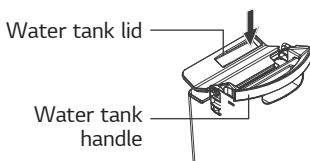
- 2 Open the lid of the water tank.



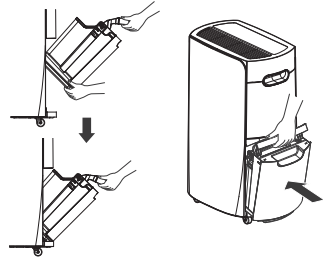
- 3 Drain the condensed water from the water tank.



- 4 Put the lid back on the water tank.



- 5 First insert the bottom part of the water tank correctly into the hole and then push it in.



CAUTION

- If the water tank is taken out right after stopping the operation, there are cases of water remaining in the heat exchanger dropping into the main unit. (Wipe the dropped water with soft cloth.)
- After taking out the water tank, do not touch inside the main unit. Otherwise, it will cause failure of the full water detection device.
- Periodically clean inside the water tank (about once per week).
- If it is used during winter or at low temperature, there is less moisture in the air, so dehumidification amount is also decreased.
- When you take out the water tank, make sure to stop the product. If you take out during operation, the compressor will stop and the fan operates for 5 minutes to vaporize the remaining condensed water inside the heat exchanger before complete stop.
- Do not drink the condensed water from the tank or reuse it.
- Sit facing the water tank, pull the handle and remove the water tank slowly to avoid scratching the tank.

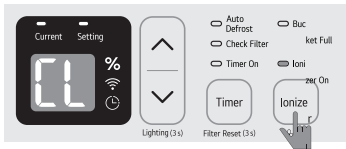
Using Additional Functions

Ionizer

It is used to remove harmful bacteria in the air. When you press the button .

- It removes harmful material in the air such as bacteria and virus using ionized air.
- You can use ionizer function with other functions or use it alone.
- If you want to use the Ionizer separately, please press the ionizer button when the product is not operating.

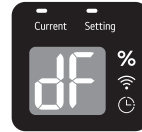
Lock function



- 1 Press the Ionizer button for 3 seconds.
 - Press the Ionizer button for 3 seconds. If you take off your hand when the buzzer sounds once after 3 seconds, it enters Lock function.
- 2 "CL" display in the display panel is maintained for 5 seconds.
 - It maintains the operation state at the time of setting the function until the function is turned off, and there will be no response even if a button is pressed.
 - If you press other buttons in Lock function set state, warning sound is generated 3 times.
 - Whether the product is running or not, it can be set up.
- 3 To unlock
 - Press the Ionizer button for 3 seconds.
 - After 1 buzzer sound after 3 seconds, if you take off your hand, and the lock function will be turned off.

Auto Defrost

If there is frost in the heat exchanger due to low indoor temperature, it automatically removes the frost.



- During the operation, if dF is displayed on the display, it automatically runs the defrost in the heat exchanger inside the product.
- Compressor is stopped during the automatic defrost operation.

Auto Clean

This function dries inside of the dehumidifier in order to prevent mold or germs.

- Press the operating mode button for about 3 seconds during operation to set up Auto Clean.
- Each time the operation mode button is pressed for 3 seconds: Auto Clean→ Settings Cancellation - then it repeats.
- When running Auto Clean a  is displayed on the display.
- After Auto Clean function finishes, the LED display automatically turns off.
- When the operate stops, the Auto Clean will start.
- : Clean Operation.

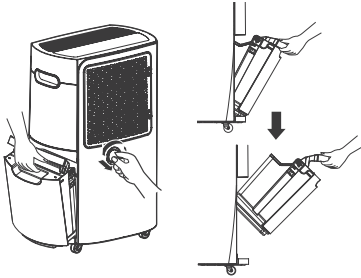
✓ CAUTION

- When Auto Clean function starts, the dehumidifier will run the fan for a certain period in order to remove moisture inside the product. (Required time: Around 5 minutes)

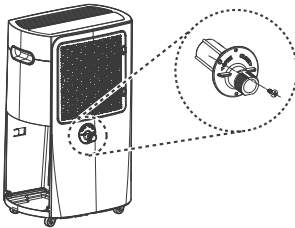
Continuous drainage

- Items needed: 19 mm (external diameter) hose.

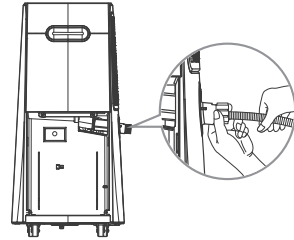
- 1 Turn counterclockwise and open the continuous drainage cover at the back of the product.
- 2 Remove the water tank.



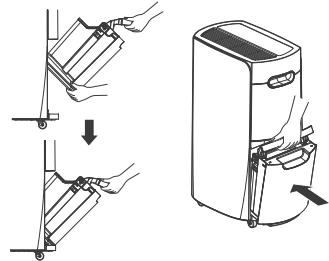
- 3 Insert the drain adapter into the opening of hose and turn clockwise. Insert the attached screw to secure it in place.



- 4 Turn the end of the hose clockwise to connect it to the drain adapter.
- Securely connect the hose to avoid leaks. Hand tighten; then make an additional 1/8 turn with pliers.



- 5 Reinstall the water tank.



✓ CAUTION

- If you wish to use a commercial hose available in the market, use a hose whose external diameter is 19 mm.
- Check if the continuous drainage hose is connected to the drain adapter on the product correctly. If the hose fails to connect to the product's outlet, water may leak when dehumidification is carried out.

Lighting

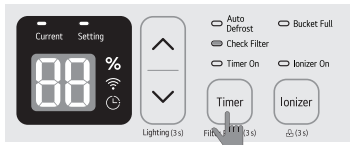
- Press the  button for 3 seconds to use the lighting function.

Safe Standby

- After 24 hours of continuous operation, the red safe standby light will be on for one hour and the fan and compressor will be turned off to prevent product damage.
- After one hour, the Safe Standby light will be off and the compressor and fan will restart automatically.

Check Filter

- When the Check Filter indicator lamp is on, please check and clean the filter.



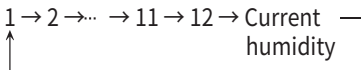
- 1 After 350 hours of operation, check whether Check Filter indicator is on.
- 2 After the Filter cleaned, press Timer for 3 seconds to reset the operation time.

Timer

Check if it is under operation and press Timer button.



- Timer switches in the following order, so select the setting time. (1-hour interval)



- To view the remaining time, press Timer button again.
- When it passes the selected time, operation stops.

To cancel Timer

- If you press Timer button repeatedly until the time display disappears in the status screen, it will be cancelled.

✓ CAUTION

- Drain the water inside the water tank and then set the time.
- If water tank becomes full during Timer operation, bucket full indicator lamp is lighted and dehumidification stops.

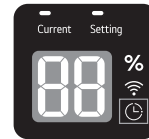
Timer function

Various kinds of reservation can be made by LG ThinQ application.

- Execute LG ThinQ Application → Select the dehumidifier product → Make reservation

✓ CAUTION

- When timer function is set through app, the reservation light is on.



LG ThinQ Application

LG ThinQ app enables you to control your appliances through a smart phone.

LG ThinQ Application functions

Smart Diagnosis

If you experience a problem while using the appliance, this smart diagnosis feature will help you diagnose the problem.

Setting

Allow you to set various options on the appliance and in the application.

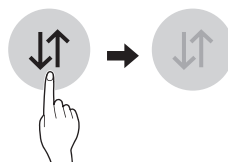
CAUTION

- If you change your wireless router, Internet service provider, or password, please delete the registered appliance from the LG ThinQ application, and then re-register it again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

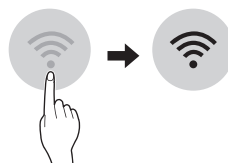
Before using LG ThinQ Application

This feature is only available on models with Wi Fi functionality.

- 1 Check the distance between the appliance and the wireless router (Wi-Fi network).
 - If the distance between the appliance and the wireless router is too far, the signal strength becomes weak. It may take a long time to register or installation may fail.
- 2 Turn off the Mobile Data or Cellular Data on your smartphone.



- 3 Connect your smartphone to the wireless router.



✓ CAUTION

- To verify the Wi-Fi connection, check that Wi-Fi  icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi network only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- LG ThinQ is not responsible for any network connection problems or any faults, malfunctions or errors caused by network connection.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.
- The application cannot be registered due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.
- If the firewall on your wireless router is enabled disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface(UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to WEP, you may fail to set up the network. Please change it to other security protocols (WPA2 is recommended) and register the product again.

Installing LG ThinQ Application

Search for the LG ThinQ application from the Google Play Store or Apple App Store on a smartphone. Follow instructions to download and install the application.

Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

Smart Diagnosis

This function will help you to diagnose and resolve appliance problems.

CAUTION

- For reasons not attributable to LGE's negligence, the service may not operate due to external factors such as, but not limited to, WiFi unavailability, Wi-Fi disconnection. Local app store policy, or app unavailability.
- The feature may be subject to change without prior notice and may have a different form depending on where you are located.

Using LG ThinQ to Diagnose Issues

If you experience a problem with your Wi-Fi equipped appliance, it can transmit troubleshooting data to a smartphone using the LG ThinQ application.

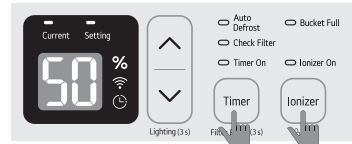
- Launch LG ThinQ application and select the Smart Diagnosis feature in the menu. Follow the instructions provided in the LG ThinQ application.

Using Audible Diagnosis to Diagnose Issues

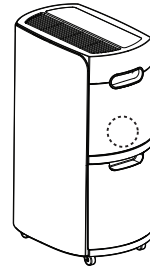
Follow the instructions below to use the audible diagnosis method.

- Launch LG ThinQ application and select the Smart Diagnosis feature in the menu. Follow the instruction of LG ThinQ app.

- 1 Press the Timer and Ionizer for over 5 seconds to execute smart diagnosis.



- 2 Keep the smartphone above the water tank 10 cm away.



- 3 After the data transfer is complete, the diagnosis will be displayed in the application.

CAUTION

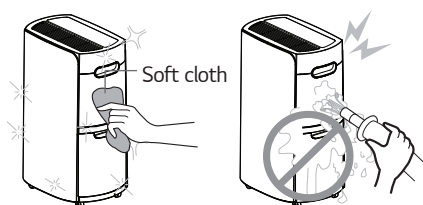
- For best results, do not move the phone while the tones are being transmitted.

Clean

How to clean the exterior of the dehumidifier

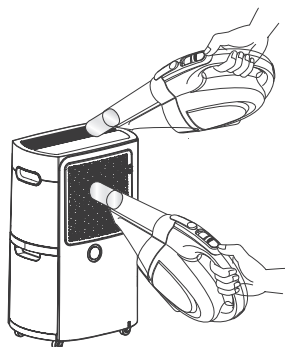
Soak soft cloth in water, squeeze out water, and wipe the dehumidifier.

- Do not spray water directly on the main unit.
- If you wash the main unit with water, insulation may be degraded or stain may be formed.



How to clean the air inlet and air outlet

Remove dust using vacuum cleaner or soft brush.

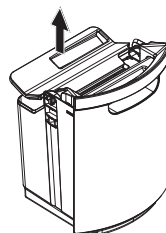


✓ CAUTION

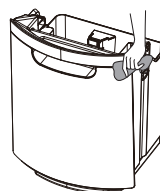
- Do not use the following material: (thinner, benzene, acid, sponge, etc.)
- It may damage the exterior.

How to clean water tank

- 1 Open the lid.



- 2 Wipe the water inside the water tank.

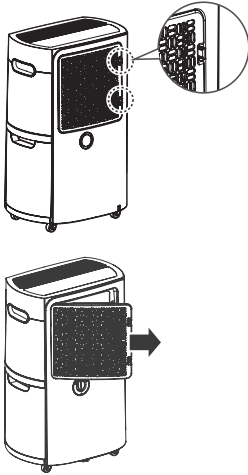


✓ CAUTION

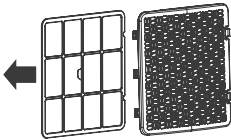
- If the float is fallen off or assembled incorrectly, there may be water leakage.
- Do not use hot water, detergents, air fresheners, surfactants, antistatic agents etc. It may damage the exterior of the product.

How to clean Pre-Filter

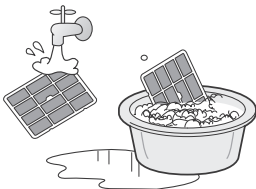
- 1 Release the two hooks at the right of the filter case and swing it open to remove it.



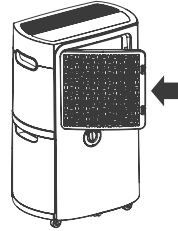
- 2 Pull the center tab on the Pre-Filter to remove it from the filter case.



- 3 Clean the Pre-Filter with a vacuum cleaner or soft brush.
 - If the Pre-Filter is very dirty, wash it in water and a neutral detergent.
 - Clean the Pre-Filter once a month.



- 4 Bend the sides of the filter inward slightly to reinsert it. Make sure the Pre-Filter is seated under the tabs inside the Pre-Filter case.
- 5 Align the hinges on the Pre-Filter cases with the hinge openings on the product and then swing the case to the right to reattach the two hooks.

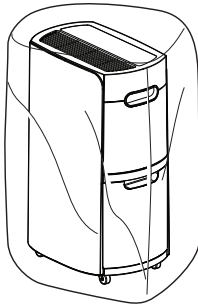


CAUTION

- For the safety, pull out the power plug before cleaning.
- After washing the Pre-Filter with water, completely dry it in shadow. (If the filter has moisture, it may cause odor or product failure.)
- Do not insert your hands when installing the Pre-Filter.

Storing the Product

- 1 Pull out the power plug from the socket.
- 2 Completely drain the water remaining inside the water tank.
 - Separate the water tank lid and wipe the water inside the water tank.
- 3 Clean the filter.
 - If it is dried under sunlight, it may be deformed.
 - During the drying, avoid fire or direct sunlight, but dry in shadow.
- 4 After drying at a place without direct sunlight and with good ventilation for about half a day, make sure to store with covering it up and have it stand straight up to prevent dust entering.
 - A separate cover for product storage is not provided.





WARNING

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Portable appliances should be stored in a room without continuously operating open flame (for example, an operating gas appliance) or other possible ignition sources (for example, an operating heater or hot surface).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odor.
- Non-fixed appliance should be stored in a room with a designated area.
- An unventilated area where the appliance using flammable refrigerants is installed shall be so constructed that should any refrigerant leak, it will not stagnated so as to create a fire or explosion hazard.
- Maximum refrigerant charge: 140g (R32), Minimum floor area: Not applicable.
- Keep any required ventilation openings clear of obstruction.
- Compliance with national gas regulations shall be observed.
- Mechanical connections shall be accessible for maintenance purposes.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from a technicians trained by LG, which authorises their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- When mechanical connectors are reused indoors, sealing parts shall be renewed.
When flared joints are reused indoors, the flare part shall be refabricated.

PRECHECK PRIOR TO SERVICE

[Checks to the area]

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, [General work area] to [Ventilated area] shall be completed prior to conducting work on the system.

[Work procedure]

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.

[General work area]

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.

[Checking for presence of refrigerant]

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

[Presence of fire extinguisher]

If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand.
Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

[No ignition sources]

No person carrying out work in relation to a refrigerating system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.

[Ventilated area]

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

[Checks to the refrigerating equipment]

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed;
- The ventilation machinery and outlets are operating adequately and are not obstructed;
- Marking to the equipment continues to be visible and legible, markings and signs that are illegible shall be corrected;
- Refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.
- When mechanical connectors are reused indoors, sealing parts shall be renewed. When flared joints are reused indoors, the flare part shall be refabricated.

[Checks to electrical devices]

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.

If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- How to discharge a capacitor: Discharge the capacitor in a safe manner to avoid contact with sparks.
- No live electrical components and wiring are exposed while charging, recovering or purging the system.
- Continuity of earth bonding.

[Handling]

- The appliance should only be transported by two or more people holding the appliance securely.
- At delivery, the unit must be checked for damage. Any damage must be reported immediately to the carrier's claims agent.
- The tubing shall be protected to the extent that it will not be handled or used for carrying during moving of the product.

REPAIRS TO SEALED COMPONENTS

During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected.

This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

- Ensure that the apparatus is mounted securely.
 - Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.
- ※ CAUTION: The use of silicon sealant can inhibit the effectiveness of some types of leak detection equipment.
Intrinsically safe components do not have to be isolated prior to working on them.

REPAIRS TO INTRINSICALLY SAFE COMPONENTS

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere.

The test apparatus shall be at the correct rating.

Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

- ※ CAUTION: The use of silicon sealant can inhibit the effectiveness of some types of leak detection equipment.
Intrinsically safe components do not have to be isolated prior to working on them.

CABLING

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.

The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

DETECTION OF FLAMMABLE REFRIGERANTS

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks.

A halide torch (or any other detector using a naked flame) shall not be used.

LEAK DETECTION METHODS

The following leak detection methods are deemed acceptable for all refrigerant systems.

Electronic leak detectors may be used to detect refrigerant leaks but, in the case of flammable refrigerants, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area). Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

※ CAUTION: Examples of leak-detection fluids are

- bubble method
- fluorescent method agents

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. For appliances containing flammable refrigerants, oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

Removal of refrigerant shall be according to removal and evacuation procedure.

REMOVAL AND EVACUATION

When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used.

However, for flammable refrigerants it is important that best practice is followed since flammability is a consideration.

The following procedure shall be adhered to:

- remove refrigerant;
- purge the circuit with inert gas;
- evacuate;
- purge with inert gas;
- open the circuit by cutting or brazing

The refrigerant charge shall be recovered into the correct recovery cylinders. For appliances containing flammable refrigerants including A2L refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process may need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, including A2L refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place.

Ensure that the outlet for the vacuum pump is not close to any potential ignition sources and that ventilation is available.

CHARGING PROCEDURE

In addition to conventional charging procedures, the following requirements shall be followed.

- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible, to minimize the amount of refrigerant contained in them.
- Cylinders shall be kept upright in an appropriate position according to the instruction.
- Ensure that the refrigerating system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigerating system.

Prior to recharging the system, it shall be pressure tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

DECOMMISSIONING

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail.

It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced. The treatment of the refrigerant, oil and other parts must comply with the applicable legislation.

- a) Become familiar with the equipment and its operation.
- b) Isolate appliance electrically.
- c) Before attempting the procedure ensure that:
 - mechanical handling equipment is available, if required, for handling refrigerant cylinders:
 - all personal protective equipment is available and being used correctly;
 - the recovery process is supervised at all times by a competent person:
 - recovery equipment and cylinders conform to the appropriate standards.
- d) Pump down refrigerant system, if possible.
- e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
- f) Make sure that cylinder is situated on the scales before recovery takes place.
- g) Start the recovery machine and operate in accordance with manufacturer's instructions.
- h) Do not overfill cylinders. (No more than 80 % volume liquid charge).
- i) Do not exceed the maximum pressure of the cylinder, even temporarily.
- j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

LABELLING

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed.

For appliances containing flammable refrigerants, ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

RECOVERY

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge are available. All cylinders to be used are designated for the recovered refrigerant and labeled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of all appropriate refrigerants including, when applicable, flammable refrigerants. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release.

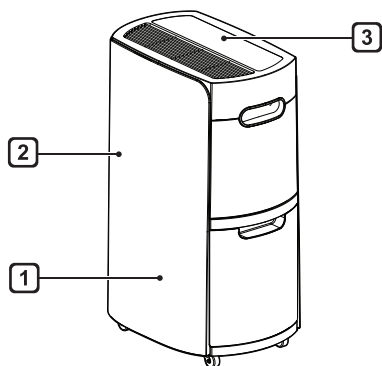
Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Before Calling for Service

Please check again if any of the following symptoms appear whilst the product is being used. Such symptoms may not indicate failures.



1 High-pitched sound

The sound from the inverter compressor is a normal sound that occurs during operation.

2 It is similar to "buzzing" and "grr-grr" sounds.

Sound may be heard until the circulation of the refrigerant stabilizes.

3 It sounds "dumping" and "dripping".

Contraction and expansion of the parts due to temperature changes when the variable frequency compressor is operating may cause a popping noise. This sound will disappear after a period of time, so you can safely use this product.

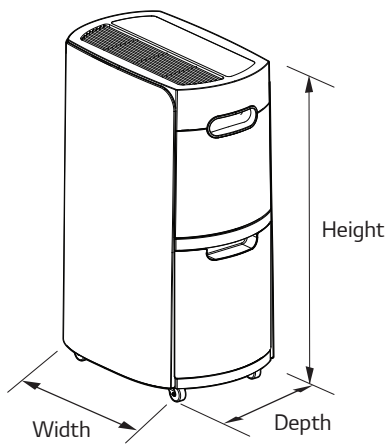
Please recheck for any of the following conditions when using this product.
These conditions may not be a sign of a malfunction.

Problem	Confirm	What To Do
The product does not operate.	- Is the power plug correctly inserted into the wall wall outlet? - Are you experiencing a power outage? - Is the water tank correctly installed? - Is the Tank Full indicator lit? - Is the display showing dF? - Is the set humidity set higher than the room humidity?	- Insert the power plug. - Check other appliances. - Install the water tank correctly. - Empty the water tank. - Press the Start button when Auto Defrost ends. - Reduce the set humidity to below the room humidity.
There is little dehumidification.	- Is the dehumidifier running in Ionizer? - Is the room temperature or humidity too low? - Is the air inlet or outlet blocked?	- Press Ionizer button, so you could only use Ionizer function along. The dehumidification function may stop. Press the Mode button and select Smart Dehumidification/Jet Dehumidification mode. - Check the target humidity. - It is normal for less dehumidification to take place in the winter and in dry areas. - Remove the obstruction. - Clean the filter.
Humidity does not seem to decrease much even though the product is running in dehumidification mode.	- Is the door/window open? - Is the room too big? - Is there an object generating steam nearby?	- Close the door/window. - Use the dehumidifier in an adequately sized room. - Do not use the dehumidifier together with other appliances.
The humidity reading on the display is incorrect.	- Is the dehumidifier obstructed in any way? - Is the dehumidifier far away from the place you are trying to dehumidify?	- Keep the dehumidifier away from walls etc. - The dehumidifier's display shows the humidity level in its current position, which may be different from the level in other positions.
Making noises.	- Is the floor uneven? - Does the water tank fall down? - Is the filter clogged?	- Place the product on a flat floor. - Place the water tank correctly. - Clean the filter.
It is taking a long time to dry laundry.	- Is the dry air reaching the laundry? - Are you trying to dry the laundry in a large room? - Are you trying to dry too much laundry?	- Move the dehumidifier closer to the laundry. - Use the dehumidifier in an adequately sized room. - Reduce the amount of laundry.
Repeated operation and stop.	- Do you select Smart Dehumidification to control the humidity? - Is the set humidity set higher than the room humidity? - Check the room temperature.	- Enable Smart Dehumidification. - Set the humidity level lower than current humidity level. - When the indoor temperature is too low or too high, repeated operation and stop will occur to protect the product.
Water leakage.	- Did you put the product not upright, or fall it down?	- Be careful when moving the product.
I just removed the water tank and water is dripping from within the dehumidifier.	- Do you remove the water tank while the dehumidifier was running?	- Remove the water tank when the Bucket Full indicator is lit.

The following circumstances are not a product failure.

The compressor is not running.	- If the product started again right after stopping the operation, dehumidification operation does not start for about 3 minutes to protect the compressor. - The compressor operates only when the set humidity is lower than the room humidity.
The sound becomes louder while the appliance is running.	- The compressor makes this sound when it starts operation from a stop status. (The compressor makes a low "buzzing" noise during normal operation.)
During starting operation, mode change, and operation/stop, the "buzzing", "gurgling", and other sounds may occur inside.	- Sometimes sound is made due to stabilizing the air circulation.
The emitted wind may smell an odor when the unit is used for the first time.	- New products may emit odors for a short period of time.
Emit warm wind.	- To cool the indoor air, the dehumidified air is warmed by the condenser, so the air sent out is warm air. (No air conditioning function.)
There are traces of liquid or white evaporation in the water tank.	- Residual water or evaporation traces of water left during dehumidification inspection at the plant. - This is not product failure.
When you move or lift the product, the clatter sound may be heard.	- Normal sound generated when the compressor shakes
Drops of water drip when the water tank is removed.	- It is the condensation water that remains inside the product. Use a dry cloth to wipe it off.
The Bucket Full indicator lamp is not on.	- To collect water inside the product, the Bucket Full indicator lamp is on after 3 minutes when the water is full.
Although the set humidity was reached, the product was not turned off.	- After falling below the desired humidity, the compressor stops running, but the fan continues to rotate. - When the current humidity level is higher than the set humidity level, the compressor operates again.

PRODUCT SPECIFICATIONS



The exterior and design as well as the product specifications may change to enhance the quality of the product.

Model	WD25GVKF0
Power	AC 220~240V, 50 Hz
External Dimensions (Height x Width x Depth)	670 mm × 427 mm × 321 mm

