Blauwhal

PD150P

USER MANUAL

Please refer to the model on the nameplate of the machine.
Please read the user manual carefully before use and keep it properly.

FOR VALUED CUSTOMERS

Thank you for purchasing the Blauwhal dehumidifier.

Blauwhal wishes that our dehumidifiers and services can bring convenience to your life and work. We highly recommend that you keep the manual for reference if you encounter unexpected events using the unit.

Please read the manual carefully to ensure proper use of the dehumidifier. Our dehumidifiers are widely used in family basements, bedrooms, bathrooms, offices, storage rooms, etc.

The dehumidifiers from Blauwhal provide quick and efficient operation to reduce a room's humidity and bring you a healthy and comfortable life.

TO ACCESS CUSTOMER SUPPORT FASTER

If there is any problem with the dehumidifier, please contact Blauwhal Customer Service at **support@blauwhal.com** with your Purchase Order ID to help you address the problem more effectively.

CONTENT

I. Safety Precautions 01
II. Introduction to Product Components 11
III. Control Interface 12
IV. Operation Instructions
Function settings..... 13
Display status description 16
Water tank drainage 17
Water pump drainage 18
Continuous drainage 19
V. Cleaning and Maintenance 20
VI. Common Faults and Solutions 22
VII. Precautions for Use 23
VIII. Product warranty card 24

Statement

The graphics and functions provided in this manual may not be the same as the actual product, please refer to the actual product and the actual model.

With the technical innovation and improvement of the product, the contents of the product manual of the same model of this product may be changed, and the updated part will not be notified beforehand.

The machine model in the manual is for reference only. Please check the corresponding operation with the real object

Blauwhal reserves the right to interpret the relevant articles .

I. Safety Precautions

Tips

This section records the important contents of safety matters to prevent personal injury or property damage to users and others.
Please read the text on the basis of fully understanding the following contents (signs, icons), and be sure to observe the safety precautions recorded.

Notice

- The refrigerant used in this dehumidifier is environmentally friendly hydrocarbon R290, which is colorless and odorless and belongs to flammable refrigerant, and the combustion grade is A3.
- Please read the manual before use and maintenance.
- Do not use any method to speed up the defrosting process or to clean frosted areas unless specifically recommended by the manufacturer.
- Appliances should be stored in a room without a continuous source of ignition (e.g., open flames, lighted gas appliances, electric heaters turned on).
- Do not puncture or set on fire.
- When repairing, please contact the local service network, and it is forbidden for non-after-sales service personnel to deal with it.
- The relevant national gas regulations shall be observed.
- The dehumidifier shall be stored to prevent mechanical damage due to accidents.
- If the dehumidifier has refrigerant leakage, please open all doors and windows immediately, keep the room ventilated, turn off the power supply, and call for repair after leaving the room.
- Y-shaped connector: "If the power cord is damaged, it must be replaced by the manufacturer, its maintenance department or similar professionals in order to avoid danger".

Sign	Alarm type	Description
	Warning	This sign indicates that the equipment contains flammable refrigerant.The leakage of refrigerant contacts the external fire source, and there is a fire hazard.
	Notice	This sign indicates the need to read the user manual carefully
	Notice	This sign indicates that there is information in the user manual or the installation
	Notice	This sign indicates that the service specialist should perform the required work in accordance with the installation

It indicates [prohibited] content

No flammable materials

Do not touch with wet hands

Do not go near the stove

- It is forbidden to replace the power cord without authorization, or connect the power cord halfway, or use it in parallel with other electrical appliances.
- It is forbidden to store flammable and explosive gases in the place where the dehumidifier is used.
- Never place the dehumidifier near a heat or water source.
- It is forbidden to turn off the dehumidifier directly with the power switch.
- Do not climb or sit on the machine.
- Do not put your hand into the air inlet and outlet.
- Do not operate the dehumidifier with wet hands.
- Do not shower the dehumidifier directly with water.
- Do not touch the inside of the dehumidifier after removing the tank.
- Do not throw or place anything inside the dehumidifier.

Warm tips

To protect the environment, as a consumer, you have the responsibility to separate this product or its components from domestic waste and send them to a qualified recycling site, which will classify, disassemble, recycle and reuse them in accordance with relevant national regulations.
For detailed information on the recycling of this product, please consult your local government, waste disposal agency, etc.

T indicates [prohibited] content

Professionals are needed

- It must be repaired by professionals, and it is forbidden to disassemble, modify, repair or clean the internal components without authorization.
- Please place the dehumidifier on a stable and level surface.
- Be sure to stop the operation and turn off the power switch when cleaning.
- Clean the air inlet grille frequently.
- In case of abnormal phenomena (such as burning smell), the operation must be stopped and the power supply must be cut off.
- In thunderstorm weather, the power switch must be turned off.
- Please turn off the power switch if it is not used for a long time.

1.Qualification requirements for maintenance personnel

All operators or refrigeration circuit maintenance personnel shall obtain a valid certificate issued by an industry-recognized assessment organization to certify that they are qualified to dispose of refrigerants safely as required by industry-recognized assessment specifications, and shall only maintain and repair equipment in accordance with the methods recommended by the equipment manufacturer. If other professionals are required to assist in the maintenance and repair of the equipment, they should be under the supervision of personnel qualified to use R290 refrigerant.

2.Site inspection

Before servicing a dehumidifier with R290 refrigerant, a safety check must be performed to ensure that the risk of fire is minimized. When servicing the refrigerant system, observe the precautions described below before working on the system.

3. Operating procedures

Work should be carried out under controlled procedures to ensure that there is minimal risk from flammable gases or vapours during the work.

4.General operation area

All maintenance personnel and other personnel in the work area shall be aware of the nature of the work. Work in confined spaces shall be avoided. The work area shall be properly segregated to

5.Check if refrigerant is present

Appropriate refrigerant monitors should be monitored in the area before and during work to ensure that technicians are aware of the presence of potentially flammable gases. Ensure that the leak detection equipment used is suitable for flammable refrigerants, i.e., non-sparking, adequately sealed, or intrinsically safe.

6.Fire extinguisher placement

Suitable fire extinguishers shall be kept in close proximity when hot work is being carried out on the refrigeration system or associated components. Dry powder or carbon dioxide fire extinguishers shall be provided in the refrigerant injection area.

7.Fire sources are prohibited

When working with exposed lines that contain or have contained flammable refrigerants, do not use any form of ignition that could cause a fire or explosion hazard. All fire sources, including smoking, must be kept away from the installation, repair, transfer and disposal areas if flammable refrigerants may be released into the surrounding environment. Before starting the work, check the surrounding environment of the equipment to ensure that there is no danger of flammability or fire. A "No Smoking" sign shall be provided.

8.Ventilated areas

Ensure that the work area is open or adequately ventilated before opening the system or performing hot work. Ventilation should be maintained during the operation, which will safely dilute the leaked refrigerant and quickly discharge it to the atmosphere.

9.Refrigeration equipment inspection

If electrical components are replaced, they shall be installed in accordance with the intended use and the correct operating regulations. The manufacturer's maintenance and repair instructions should be followed at all times. If in doubt, consult the manufacturer's technical department. The following inspection items apply to the installation of dehumidifiers using R290 refrigerant:

1)The charging amount shall be determined according to the size of the room with refrigerant-containing components;

2)The ventilation equipment shall be in normal operation and the ventilation opening shall be unobstructed;

3)If an indirect refrigeration cycle is used, check for the presence of refrigerant in the secondary circuit;

4)The marks on the dehumidifier shall be clear and visible, and the ambiguous marks and symbols shall be corrected;

5)Refrigeration piping or electrical components shall not be installed in an environment containing components that may corrode the refrigerant in contact with them, unless the electrical components themselves are made of corrosion-resistant materials or suitable anti-corrosion measures are taken.

10.Electrical installation inspection

Repair and maintenance of electrical components shall include an initial safety check and component inspection procedure.

If there is a defect that endangers safety, the appliance should be de-energized until the defect is properly disposed of.

If the defect ultimately cannot be completely eliminated and the operation must continue, an appropriate temporary solution should be adopted.

Report this to the owner of the appliance and warn all concerned.

The initial security check shall include:

Capacitor discharge: it shall be conducted in a safe manner to avoid electric sparks;

There are no exposed electrical components and wiring in the process of filling, recovering and cleaning the system; Ensure the continuity of grounding.

11. Maintenance of sealing element

1.When servicing a closed element, disconnect the power supply to the equipment before opening the sealed cover.

If power must be available during maintenance, the most dangerous areas should be continuously tested for leaks to prevent potentially dangerous situations.

2.In the following maintenance of electrical components, special attention should be paid to avoid maintenance methods that affect the protection level of the enclosure.

Improper repair methods may lead to: damaged cables, excessive connections, terminals not installed according to the original regulations, damaged seals, incorrect installation of sealing caps, etc.Ensure safe and reliable installation.

Ensure that the seal or sealing material does not lose its ability to prevent the ingress of flammable gases due to age. Substitute parts shall be in accordance with the manufacturer's specifications.

12.Maintenance of intrinsically safe components

Do not use any permanent inductive or capacitive load in the circuit without ensuring that the appliance does not exceed the allowable voltage and current limits during use.

Intrinsically safe elements are the only elements that can continue to work in flammable gases, and the test instrument should be set to the correct gear.

If only the parts specified by the manufacturer are used for the replacement element, other parts may cause the refrigerant leaking in the air to catch fire.

13.Cable

Check whether the cable is subject to abrasion, corrosion, overpressure, vibration, sharp edges or other adverse environmental conditions.

The inspection shall also consider the influence of aging or continuous vibration of compressor and fan on the cable.

14.Flammable refrigerant inspection

Checking for refrigerant leaks should be done in an environment with no potential sources of ignition. Halogen probes (or any other detector using an open flame) shall not be used for testing.

15.Leak detection method

For systems containing R290 refrigerant, the following methods for detecting leaks are acceptable.

Electronic leak detectors are available for R290 refrigerant, but may not be as sensitive as required or may require recalibration. (Instrument calibration should be performed in an environment that does not contain refrigerant.) Ensure that the leak detector is not a potential source of ignition and is suitable for the refrigerant being measured. The leak detector shall be set to the minimum flammable concentration of the refrigerant (expressed as a percentage), calibrated with the refrigerant used, and adjusted to the appropriate gas concentration test range (up to 25%). The fluid used to detect leaks is suitable for most refrigerants, but do not use chlorine-containing solvents to prevent chlorine from reacting with the refrigerant and corroding copper lines.

If leakage is suspected, all open flames shall be removed from the site or extinguished.

If the leak location requires welding, recover all refrigerant or isolate the refrigerant away from the leak (using a shut-off valve). Before and during welding, the entire system is purged with oxygen-free nitrogen (OFN).

16.Removal and vacuum

Routine procedures should be followed when performing maintenance or other work on the refrigeration circuit. However, the flammability of the refrigerant should also be taken into account, and the following procedures should be followed:

1)Remove the refrigerant;

2)Purge the pipeline with inert gas;

3)Vacuumizing;

4)Purge the pipeline with inert gas again;

5)Cut the pipeline or weld it.

Refrigerant should be recycled to a suitable storage tank. The system should be purged with oxygen-free nitrogen to ensure safety. This process may need to be repeated several times. Do not use compressed air or oxygen for this work.

In the purging process, oxygen-free nitrogen is filled into the system to reach the working pressure under the vacuum state of the system, then the oxygen-free nitrogen is discharged into the atmosphere, and finally the system is vacuumized. Repeat this process until the refrigerant in the system is completely removed. After the last filling of oxygen-free nitrogen, the gas is discharged to atmospheric pressure, and then the system can be welded. The above operation is necessary for pipeline welding.

Make sure that there is no ignition source near the outlet of the vacuum pump and that there is good ventilation.

17.Refrigerant charging procedure

As a supplement to the regular procedure, the following requirements are added:

Ensure that there is no mutual contamination between different refrigerants when using the refrigerant charging equipment. The refrigerant filling pipeline shall be as short as possible to reduce the residual amount of refrigerant in it;

The storage tank shall be kept vertically upward;

Ensure that the refrigerant system has been grounded before charging the refrigerant;

Label the system after (or before) filling is complete;

Care must be taken not to overcharge.

Perform a pressure test with oxygen-free nitrogen before refilling the system, and perform a leak test after refilling before commissioning.

Another leak test should be performed when leaving the area.

18.Scrap

Prior to this procedure, the technician should be thoroughly familiar with the equipment and all of its characteristics. Safe refrigerant recovery practices are recommended. If recovered refrigerant is to be reused, refrigerant and oil samples should be analyzed prior to the operation. Ensure that the required power is available prior to testing.

1)Familiar with equipment and operation;

2)Disconnect the power supply;

3)Before proceeding with this procedure, ensure that:

-If necessary, the mechanical operation equipment shall facilitate the operation of the refrigerant storage tank;

-All personal protective equipment is effective and can be used correctly;

-The whole recycling process shall be carried out under the guidance of qualified personnel;

-Recovery equipment and storage tanks shall comply with the corresponding standards.

4)If possible, the refrigeration system shall be vacuumized;

5)If the vacuum state cannot be reached, the refrigerant in each part of the system shall be extracted from multiple places;

6)Ensure that the capacity of the storage tank is sufficient before the recovery is started;

7)Start up and operate the recovery equipment in accordance with the manufacturer's operating instructions;

8)Do not overfill the tank (liquid filling not to exceed 80% of the tank volume)

9)The maximum working pressure of the tank shall not be exceeded, even for a short period of time;

10)After the tank is filled and the operation is completed, ensure that the tank and equipment are removed quickly and that all stop valves on the equipment are closed;

11)The recovered refrigerant shall not be injected into another refrigeration system until it has been purified and tested.

19.Identification

Appliances shall be marked with date and endorsement after being scrapped and emptied of refrigerant. Make sure that the marking on the appliance reflects the R290 refrigerant contained in the appliance.

20.Recycling

The refrigerant in the system shall be removed during maintenance or scrapping, and it is recommended to completely remove the refrigerant.

When the refrigerant is loaded into the storage tank, only the dedicated refrigerant storage tank can be used. It is necessary to ensure that the capacity of the storage tank is suitable for the amount of refrigerant injected into the whole system. All tanks intended for the recovery of refrigerant and identified with that refrigerant (i.e., dedicated tanks for refrigerant recovery) shall be equipped with pressure relief valves and shut-off valves and shall be in good condition. If possible, empty tanks should be evacuated and kept at room temperature before use.

The recovery equipment shall be maintained in good working condition and the equipment operating instructions shall be available for reference. The equipment shall be suitable for the recovery of R290 refrigerant. Additionally, there should be weighing instruments that are qualified and can be used normally. The hose shall be connected with detachable coupling without pool drain and shall be kept in good condition. Before using the recovery equipment, check whether it is in good condition, whether it has been well maintained, and whether all electrical components have been sealed to prevent fire caused by refrigerant leakage. If in doubt, consult the manufacturer.

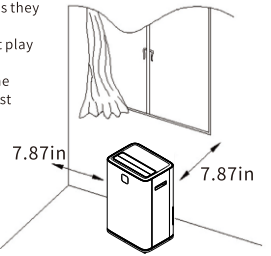
Reclaimed refrigerant shall be returned to the refrigerant manufacturer in a suitable storage tank with shipping instructions. Do not mix refrigerant in recovery equipment, especially in storage tanks.

When removing the compressor or removing the compressor oil, make sure that the compressor is vacuumed to a suitable level to ensure that there is no residual R290 refrigerant in the lubricating oil. Vacuuming is performed before the compressor is returned to the supplier and only electrical heating of the compressor housing is permitted to expedite this process. When the oil is drained from the system, it should be safe.

Important notes

For the sake of safety, please read this manual carefully before using the product for the first time, and keep the manual for reference. This product is for household use only. Please use this product according to the installation and operation instructions in this manual.

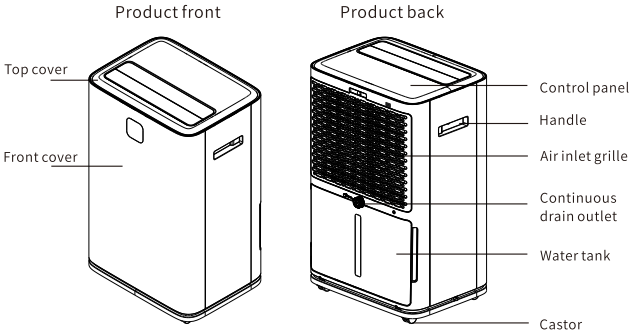
- Unplug the power plug before cleaning or storing the dehumidifier.
- Do not spray the machine with water, insecticide, or flammable liquids.
- Do not place the machine near heating devices or inflammable dangerous goods.
- Do not insert fingers or sticks into the air inlet or outlet.
- The machine body shall be kept horizontal, and the machine shall not be placed on uneven or inclined ground.
- The machine shall not be used in a closed and narrow space.
- If the clothes drying function is used, the clothes should be kept at least 15.74in away from the air outlet to prevent the water on the clothes from dripping into the machine and damaging the machine.
- The power supply wiring of the machine must be carried out in accordance with the national wiring rules, and the power line must be reliably connected to the external grounding wire.
- If the power cord is damaged, it must be replaced by the manufacturer or its maintenance department or similar full-time personnel to avoid danger.
- Model and specification of fuse tube: 3.15 A.
- Dehumidifiers shall not be used by persons (including children) who are physically, sensorily, or intellectually weak, or who lack experience and knowledge, unless they are supervised or directed by an adult.
- Children should be supervised to ensure they do not play with equipment.
- When the machine is in use, the distance between the machine and the surrounding objects shall be at least 7.87in, as shown in the figure:



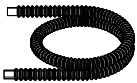
II. Introduction to Product Components

Product components

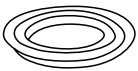
Note: All illustrations in this manual are only used for illustration. The actual appearance and function shall be subject to the purchased product.



Product components



Drain hose
(internal diameter ϕ0.63in)

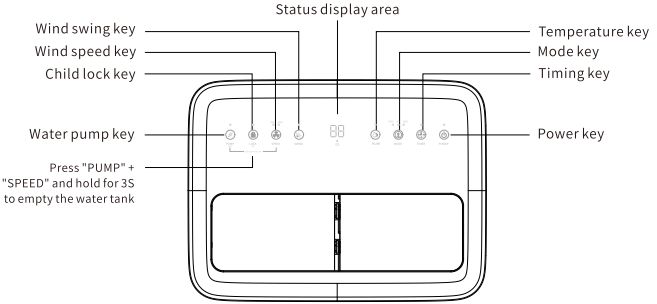


Pump drain pipe
(internal diameter ϕ0.20in)

Note: The product components are configured according to the functions of the actual model

III. Control Interface

Control panel (For specific models, please refer to the corresponding control panel. Please refer to the purchased product.)



Key description (some keys with * will be different according to different models, please refer to the product purchased.

Power key
It is used to control the startup and shutdown of the machine. When the

Mode key
It is used to select the working mode.

*Child lock key
(Press hold for 3S)It is used to enter and release the child lock status.

*Water pump key
(water pump key)It is used for water pump function start and stop.

Humidity key
It is used to set the humidity values, with the setting range of 30 ~ 80 RH%.

Timing key
It is used to set the time, with the setting range of 1 to 24h.

Wind speed key
It is used to set a comfortable and strong wind.

*Wind swing key
It is used to start and stop the wind swing.

IV. Operation Instructions

Function settings

1. Mode selection

The equipment has three working modes: intelligent mode, drying mode and continuous dehumidification mode.

In the power-on state, press the [Mode] key, and the equipment will be cyclically switched among the intelligent, drying and continuous dehumidification modes. Each time the mode key is pressed, the working mode will be switched correspondingly.

[Intelligent] mode: humidity and wind speed can be set.

[Drying] mode: humidity and wind speed can be set.

[Continuous] dehumidification mode: humidity cannot be set, but wind speed can be set.

2. Timing setting

In the power-off state, the timer is set to timed power-on. In the power-on state, the timer is set to timed power-off.Press the "Timer key" to set the timer time. The timer time will increase by 1h every time you press it. The setting range is 1 ~ 24h, which can be set circularly. Press and hold the "timer key" for several seconds to continuously adjust the timer time; if the timer time is 00, the timer is invalid.
When the timer is valid, the timer indicator is on. Press the "timer key" once, and the display screen will display the remaining timer time.
After a few seconds, the current humidity value will be automatically displayed.

3. Humidity setting

The humidity is set in the dehumidification mode (other modes are invalid). Press the [Set] key once to enter the set humidity viewing state: "88" flashes to display the set humidity value, and the humidity indicator "O" is on.

During "88" flashing, press the [Humidity] key to set the humidity setting value. The setting range is 30 ~ 80% RH, which can be set cyclically. Press the [Humidity] key once to increase the set humidity value by 5% RH; After 5s without key operation or pressing other keys, it will automatically confirm the exit, and "88" will display the current environmental humidity. When the set humidity value is 30 RH%, it is a continuous dehumidification state.

4.Wind speed setting

There are two kinds ofwind speed: comfortable wind and strong wind.in the power-on state,press the [Wind Speedl key to switch the wind speed to a windshield, which can be set cyclically.

5.Water pump setting(Note: this setting is only applicable to the model with this function)

Drainage through water pump: When the dehumidifier is turned off, insert the water pump drainage hose into the drainage outlet, press the【POWER】 button to start the dehumidifier, and then press the "" button and hold for 3s.The water pump indicator light will light up and the water pump will start working.

PUMP Drainage do not through the water pump: When the dehumidifier is turned on, press the "PUMP"button and hold for 3S, turn off the water pump, and at this time, the pump indicator light will go out. Remove the drainage hose.

Note: When the water pump is in operation, the indicator light of the water pump flashes. The water pump works for 12 minutes each time. Take out the drain pipe after the water in the drainpipe is completely drained.

6.Wind swing setting

In the power-on state, press the [Wind swing] key to set the swing state: continuous swing or arbitrary stop, When the machine is shut down, the machine stops running and returns to the Swing Stop" state.

7.Child lock setting

In the power-on state, press and hold the [child Lock] key for 3 seconds to control the entry and release of the child lock state. After entering the child lock state, all other key operations are invalid, and only the [Child Lock] key can be pressed for 3 seconds to release.

8. Power-down memory function

If the equipment is suddenly powered off during normal operation, it will automatically restore to the parameter setting state before power failure after being powered on again.

9. Defrosting function

When operating at a lower ambient temperature, the system will automatically judge whether there is frost, and if there is frost, it will automatically defrost. Defrosting action: the fan runs quickly and the compressor stops.

10. Full water protection

When the water tank is full of water, the machine stops, and the water full indicator light"☞" flashes; when the water full is released, the water full indicator light is off, and the machine can be restarted. When the water is full, the compressor stops, but the water pump can be started and stopped normally.

Note: The water tank must be placed in place normally, otherwise it will also cause full water protection.

Display status description

■Timing status indicator "O": it will be on when the timing is valid, will flash when setting and viewing, and will be off when it is invalid..

■Comfortable indicator light "LOW": it will be on when the wind speed is set to be comfortable, otherwise it will be off.

■Strong indicator light "HIGH": it will be on when the wind speed is set as strong wind, otherwise it will be off.

■Intelligent mode indicator light "DEHU": it will be on when the intelligent working mode is selected and operated, otherwise it will be off.

■Drying mode indicator light "DRY": it is on when the drying mode is selected, otherwise it is off.

■Continuous dehumidification mode indicator light "CONT": it is on when the continuous dehumidification mode is selected, otherwise it is off.

■Water pump indicator light "PUMP": it is always on when the Water pump working mode is selected, otherwise it is off.

■Water full indicator light "": it is normally on when the water is full, otherwise it is off.

■During normal operation, "88" displays the current ambient humidity value.

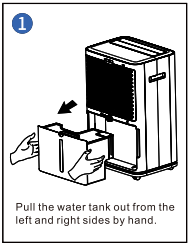
Note:
Please make sure that the air outlet is open before starting the machine, otherwise the machine will be overheated.
Do not stop the machine by unplugging the power cord.

Water tank drainage

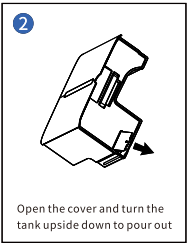
- Please make sure that the air outlet is open before starting the machine, otherwise the machine will be overheated.
- Do not stop the machine by directly unplugging the power cord.

When the water tank is full of water, the water full light flashes and the machine stops automatically. The tank must now be emptied of water and correctly positioned.

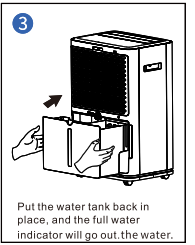
Empty the water tank



Pull the water tank out from the left and right sides by hand.



Open the cover and turn the tank upside down to pour out



Put the water tank back in place, and the full water indicator will go out.the water.

Note:

- Do not remove the float from the water tank. If the float is removed from the water tank, the full water sensor will not be able to sense the water level properly, so that the water will overflow from the tank when it is full.

- If the water tank is very dirty, just use cold or warm water to clean it. Do not use detergent, steel wool, chemical dust cloth, gasoline, benzene, thinner or other solvents, otherwise it may damage the water tank and cause it to leak.

- When it is put into the water tank, press the water tank tightly by hand. If the water tank is not placed properly, the full water state can not be removed, and the machine will still be unable to operate normally.

Water pump drainage(this operation is only applicable to the model with water pump function)

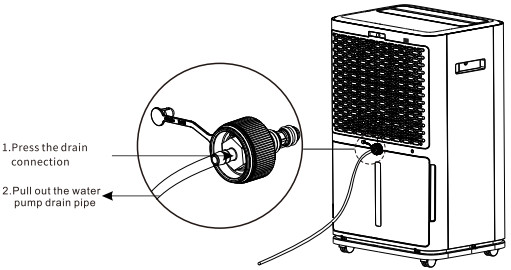
● **Drainage through water pump:** Ensure that the dehumidifier is turned off. insert one end of the water pump drainage pipe into the drainage outlet at least 0.6-0.7 inches deep, and connect the other end to the sewer or other water storage tank. Then, when turned on the dehumidifier, press and hold the "Pump" button for 3S to start the water pump. When the water level in the water tank rises to the programmed drainage level, the water pump begins to pump and discharge.

Note: Be sure to connect the drain pipe firmly to avoid water leakage.

● **Drainage do not through water pump**: When the dehumidifier is turned on, press the "Pump" button for 3S to turn off the water pump. At this time, the water pump indicator light "Pump" will go out. Hold down the locking ring of the drainage outlet joint with one hand, and pull out the drainage pipe with the other hand. The next time a dehumidifier is used, the drainage will enter the water tank instead of going through the water pipe. After the next start of the dehumidifier, the water will be discharged into the water tank for storage until the water tank is full, and the water tank will be manually removed and poured.

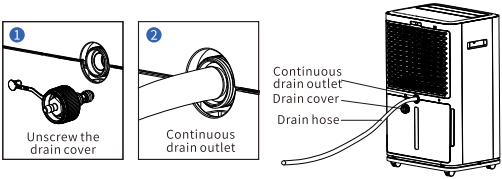
● **When storing the dehumidifier for an extended period without use**, press and hold the "**Pump**"+"**Speed**" button for 3S to drain any remaining water in the tank. This prevents water over flow when moving the machine.

Attention: The drainage process of the water pump will last for about 12 minutes until the water in the tank is completely drained before removing the drainage pipe. Before removing the drainage pipe, please pay attention to the residual water inside the pipe to avoid wetting the floor.



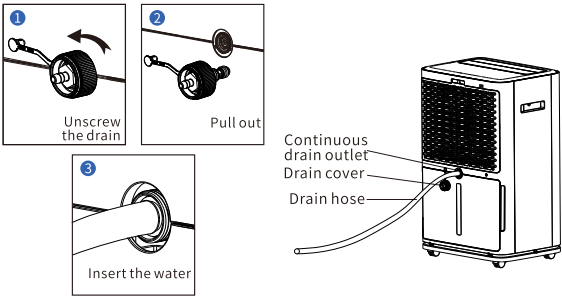
Continuous drainage (model with water pump)

- Unplug the power supply and unscrew the drain cover.
- Insert the drain hose into the continuous drain outlet and connect the power supply to start the machine. The water outlet of the water pipe shall be more than 3.937in lower than the continuous drainage outlet, and the water pipe shall not be bent to ensure smooth drainage.



Continuous drainage (model without water pump)

- Unplug the power supply, unscrew the drain cover and pull out the rubber plug.
- Insert the drain hose into the continuous drain outlet and connect the power supply to start the machine. The water outlet of the water pipe shall be more than 10cm lower than the continuous drainage outlet, and the water pipe shall not be bent to ensure smooth drainage.



V. Cleaning and Maintenance

Warning

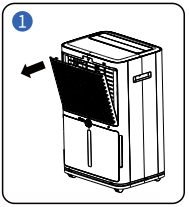
To avoid electric shock, the machine must be turned off and unplugged before cleaning and maintenance.

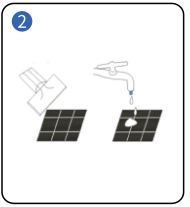
A-Body cleaning

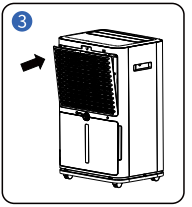
Wipe the body with a soft, slightly damp cloth.

B-Grille cleaning

- Hold the small handle on the top of the grille and pull outward to remove the grille.
- Clean the grille: Use a vacuum cleaner to gently remove the dust from the surface of the grille. If the grille is very dirty, use warm water and a mild detergent to wipe it and dry it completely.
- Slowly install the grille back into the body.



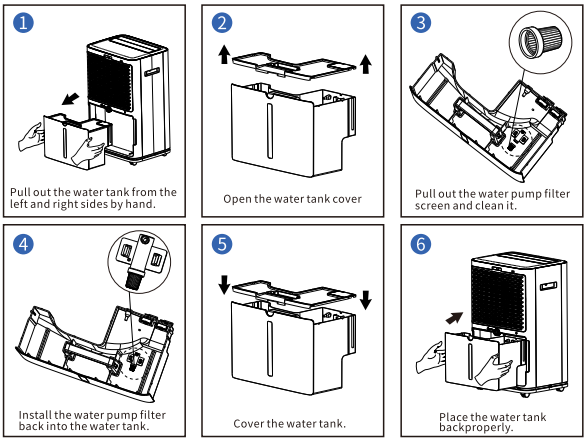




C-Clean the water pump filter screen

Please regularly check whether the water pump filter screen is dirty. If the water pump filter screen is not cleaned for a long time, the residual scale will block the filter screen and the water pump will not be able to drain smoothly.

- Pull out the water tank and open the water tank cover.
- Pull out the water pump filter screen inside the water tank, wash it with clean water and wipe it with mild detergent until the scale on the filter screen is cleaned.
- Install the water pump filter back into the water tank.
- Close the water tank cover and put the water tank back in place.



D-Dehumidifier storage

When you do not use the dehumidifier for a long time and want to store it, pay attention to the following steps:

1.Empty the water in the water tank. 2.Roll up the power cord and tie it.

3.Clean the grille. 4.Place the machine in a cool and dry environment.

VI. Common Faults and Solutions

If there is any problem in operating the machine during use, please check according to the following table:

Fault phenomenon	Cause analysis	Exclusion method
The machine doesn't work	Is the power cord properly connected?	Connect the plug and socket.
	Is the water full symbol flashing? Is the water tank full or not in place?	Drain the water from the tank and return it to the correct position on the body.
	Is the room temperature above 95 °F or below 41 °F?	Because this product is not suitable for overheated or overcooled environment, the machine will automatically protect, which is a normal phenomenon.
	Is the room temperature between 41 °F and 68 °F?	The machine will automatically defrost, which is a normal phenomenon.
	Is the ambient humidity lower than the set humidity?	Set the humidity value to be more than 3 RH% less than the ambient humidity or set the humidity set value to 30 RH%
	The machine is protected against frequent starts. Has the machine just stopped?	Please be patient for more than 3 minutes.
The dehumidification efficiency is poor	Poor air flow	A space of about 7.87in should be left around the product.
	Ambient humidity too low	It is a normal phenomenon.
Noisy operation	Is the machine tilted?	Move the machine to a horizontal position.
	Is the air inlet blocked?	Clean the dirt at the air inlet and outlet of the product.
	Is the strainer properly installed?	Check whether the filter bag is removed and correctly positioned as required.
Humidity always shows "25" (when there is a large difference from the actual humidity)	Humidity sensor failure?	When the "25" fault phenomenon is displayed all the time and the humidity is set to 30% RH, the machine can continue to dehumidify and operate normally.
		Repair and replace humidity sensor.
Humidity always shows "99" (when there is a large difference from the actual humidity)	Is the surface of the humidity sensor wet? Humidity sensor failure?	When the "99" fault phenomenon is displayed all the time and the humidity is set to 30% RH, the machine can continue to dehumidify and operate normally.
		Repair and replace humidity sensor.

Notice: Please make sure that the air outlet is open before starting the machine, otherwise the machine will overheat. Never stop the machine directly by unplugging the power cord. If the problem persists, please shut down and unplug the power plug, Please contact blauwhal to serve support@blauwhal.com

VII. Precautions for Use

1. When using, do not place the machine on soft and uneven ground to avoid vibration or movement.

2. Do not insert thin rods or hard objects into the fuselage to avoid failure or danger.

3. When using, please keep the machine away from heaters, electric kettles and other heat sources.

4. When using, please close the doors and windows to achieve the best dehumidification effect.

5. Do not place objects in front of and behind the machine. If the ventilation is blocked, the dehumidification effectwill be affected.

6. In case of power failure or long -term non-use, please unplug the power cord.

7. When cleaning the machine body, wipe it gently with a wet cloth, and do not spray water directly.

8. Do not place anything on the machine.

9. Please clean the filter screen once every two weeks (do not use hot water, alcohol, gasoline or toluene above 40 °C).

10. In case of continuous drainage, the drainage pipe shall be placed horizontally and shall not be uneven or twisted.

11. After the filter screen is cleaned, please do not dry it in direct sunlight to avoid deformation.

12. Before moving and carrying the machine, please pour out the water in the water tank.

Service

Blauwhal offers a limited 1-year free warranty on this PD150P dehumidifier, with original proof of purchase (typically you maybe only requested to offer the order number or other information to prove a genuine purchase, instead of an invoice)
and where a defect has arisen, wholly or substantially, as a result of faulty manufacture, parts or workmanship during the warranty period.

During the warranty period, for the damaged part, we will provide a replacement part if it can be restored to normal use by replacing parts.

The warranty does not apply where damage is caused by other factors, including without limitation:

- Normal wear and tear;
- Abuse, mishandling, accident, or failure to follow operating instructions;
- Exposure to liquid or infiltration of foreign particles;
- Servicing or modifications of the product other than by Blauwhal.

We will try our best to inspect the dehumidifier through photos or videos to troubleshoot and ensure that we can better solve the problem for you.
These are our general terms for warranty service, but we always urge our customers to reach out to us with any issue, regardless of warranty terms.

Warranty and Service

If you have an issue with an Blauwhal product, please contact us at support@blauwhal.com, and we will do our best to resolve it for you.

Support Hours

24 Hours available

*Please have your order number before contacting customer support.

Product Certification

The product is approved to leave the factory after passing the inspection.
Production date: see the nameplate or barcode of the fuselage

Blauwhal