

### **INSTRUCTIONS**

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# INSTRUCTION BOOK

Thank you for purchasing our product. Please read this owner's manual carefully before using the unit. It is important that you handle and use the unit according to the instructions, to ensure its long life, and to avoid problems and accidents. After reading this guide, keep it for future reference.



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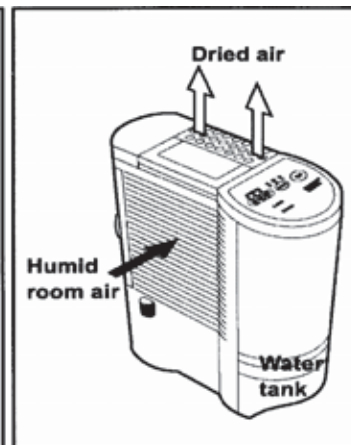
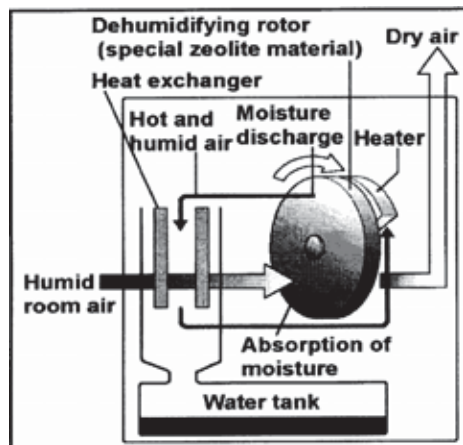
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## Notice

- Ambient temperature will rise whilst the unit is on, due to the heat generated from the unit.
- During operation, you will get better drying efficiency by minimizing the opening/closing of windows and doors in the room.

## What is a "Desiccant system"?

It is a next-generation, FREON-FREE dehumidification system for minimizing impact on the global environment. Micro pores of special zeolite material absorb moisture from the air and dry air is blown out. Trapped moisture is changed to water drops using heat from the heater, and retained in the water tank.



# Safety precautions

Follow these precautions strictly.

This section explains precautions to be observed to prevent injury to user and/or other people and damage to your property.

- **The severity of hazard and damage resulting from ignoring the precautions, or incorrect use of the products, are grouped and explained under the following headings.**

## Warning

Sections under this sign indicate "a potentially hazardous situation that could result in death or serious injury".

## Caution

Sections under this sign indicate "a potentially hazardous situation that may result in moderate injury or property damage only".

- **The precautions to be observed are grouped and explained under the following alert symbols.**  
(The following symbols are examples.)



Prohibited

This symbol indicates the actions that are prohibited.




## Warning

- **Do not damage the power cord or plug.**
  - ⊘ \* Do not damage, modify, bend, twist, or stretch power cord, or plug-in forcibly. Do not put heavy objects on the plug or the cord. Do not bunch the cord with a cable-tie or wire.  
Use of a damaged cord or plug may lead to an electrical shock, short-circuit, or fire.
  - \* Contact the supplier concerning repair advice if cord or plug are damaged.
- **Avoid use of electrical socket or extension cables outside their rated range, and do not use with a power source other than 230V AC (+/- 10V).**
  - ⊘ \* Use outside the rated range can cause heat generation, resulting in a fire.
- **Insert the power plug firmly into the socket until it is securely fitted.**
  - \* Insecure insertion of the plug may cause electrical shock, or a fire through heat generation.  
Do not use a damaged plug or loose sockets.
- **Clean off dust from the power cord periodically**  
Dust accumulated on the plug can cause an insulation failure, resulting in a fire.
  - . Pull out the plug and wipe it with a dry cloth.
  - . Remove the plug from the socket when the unit is not in use.
- **Do not switch the unit ON/OFF at the power socket**  
This can cause an electrical shock or a fire through heat generation.

## Warning

- Do not put any foreign objects such as pins, wires, or metallic items into the air outlet, or vents in the unit.

 Prohibited

Such objects may touch electrical parts inside and cause an electrical shock or injury.

- Do not insert /remove the power plug with wet hands.

 Wet hands prohibited.

This can cause an electrical shock.

- If anything unusual occurs (such as smell of burning) switch off and unplug the power cord. Heat generation can cause a fire or an electrical shock.

\* Contact the supplier.

- Do not insert fingers or long thin objects into the air inlet/outlet, or vents in the unit.

 Warning: Rotating parts.

Heat generation can cause a fire or an electrical shock.

\* Such objects may touch the fan inside, and cause an injury or electrical shock.

- Do not place the unit near heating appliances.

 Inflammables

Plastic parts can melt and catch fire.

- Do not take apart, repair or modify.








 Taking apart the unit is prohibited

Dismantling the unit may cause a fire or electrical shock

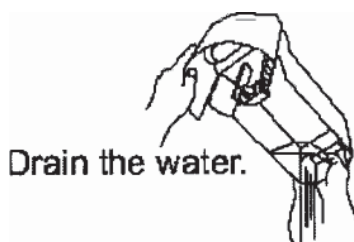
\* Contact the supplier for all repairs.

- Switch off and unplug the power plug during routine maintenance, in order to avoid the unit switching on unintentionally, and causing an injury or electrical shock.

## Caution

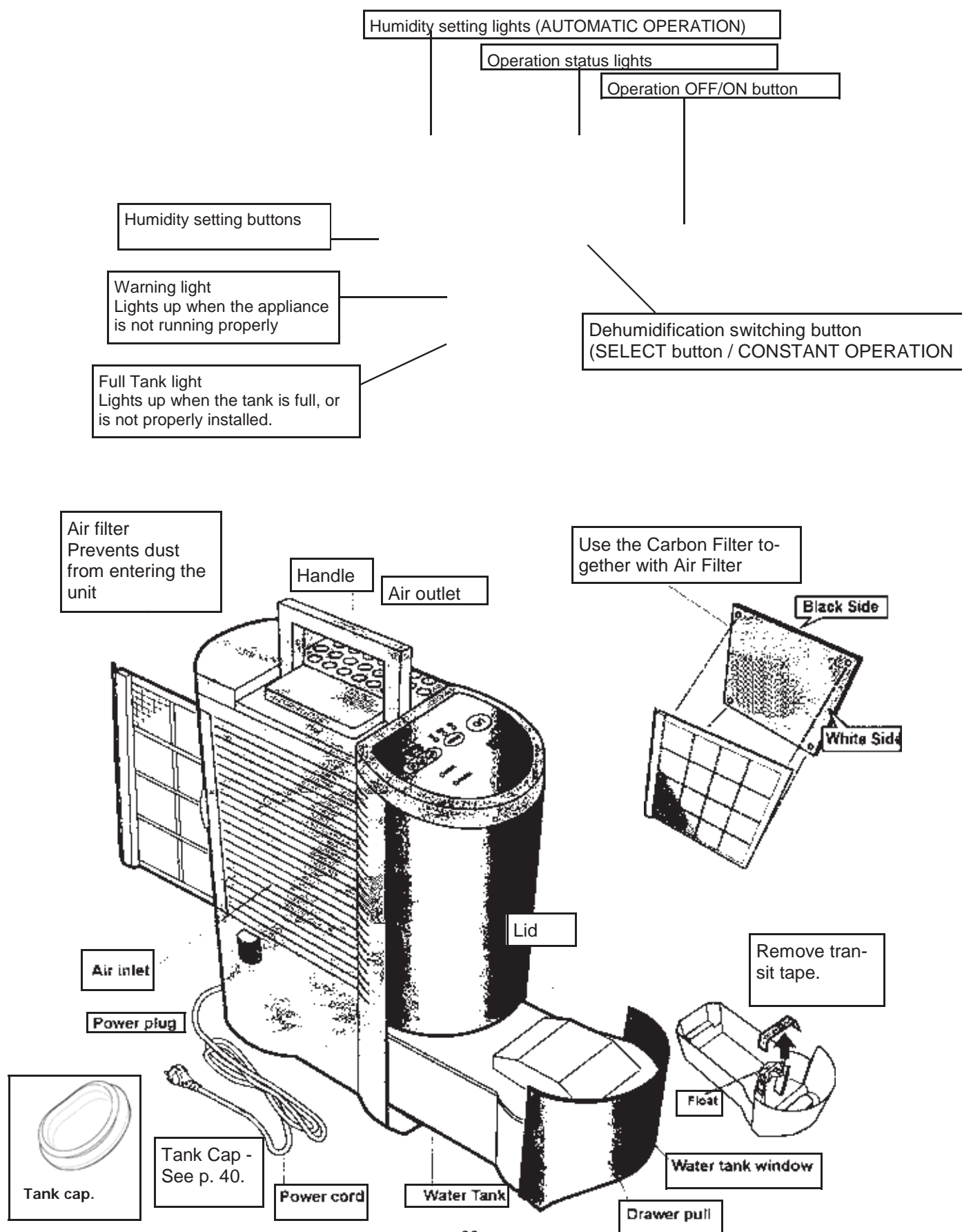
- Grip the plug, not the cord, when removing the power plug from the socket, to avoid damage to the cord, or short-circuits, which may cause a fire or electrical shock.
- Place the unit on a level and stable surface.  
If the unit falls over, and water is spilled, it may wet household goods, and may cause a fire or electrical shock.  
\* If the unit falls over, stand it up immediately.
- Do not use the unit in a very small area, such as a cupboard.  
 Prohibited  
Poor ventilation can cause overheating or fire.
- Do not use the unit near water supplies.  
 Exposure to water prohibited  
This may cause a fire or electrical shock.
- Do not use the unit where oil or inflammable gas may leak.  
 Prohibited  
Gas leak, and vapour around the unit, can cause fire.
- Do not use the unit in direct sunlight, wind or rain.  
 Prohibited  
A fire or electrical shock may be caused by overheating.
- Do not use the unit for protecting works of arts, old manuscripts or other materials requiring specialist protection.  
 Prohibited  
The quality of valuable and sensitive objects may deteriorate.
- Do not use heaters with open burners in the direct air flow from the air outlet of the unit.  
 Prohibited  
This can cause incomplete combustion and could cause carbon monoxide to be given off.
- Do not use the dehumidified water for drinking, or feeding pets.  
 Prohibited  
It may damage health.

- Do not wash the unit with water.  
⊘ Exposure to water prohibited  
It can cause electric leakage, resulting in an electrical shock.
- Do not place containers of water, such as a vase, on the unit.  
⊘ Prohibited  
If water enters the unit it can cause poor electrical insulation, which may cause a fire and electrical shock.
- Do not obstruct the air inlet and outlet of the unit with fabrics or bedding.  
⊘ Prohibited  
Bad ventilation can cause overheating or fire.
- Do not step or sit on the unit.  
⊘ Prohibited  
This may result in a fall and injury.
- Switch off and drain the water tank before moving the dehumidifier.  
Any spillage will make possessions damp, and may cause a fire or electrical shock.



- Particular care must be taken in the following circumstances:  
⊘ -When the dehumidifier is used in the presence of infants, children, old people or others who cannot operate the unit by themselves.  
-Heat generated from the unit when switched on will raise the room temperature. Sitting in the direct air flow from the dehumidifier for extended periods may cause dehydration and discomfort.
- Do not use the unit where pharmaceuticals/chemicals are handled. (In hospitals, factories, laboratories, beauty salons, etc.)  
Prohibited  
Chemicals and solvents in the atmosphere can damage the dehumidifier, and water may make items damp.

# Names of parts

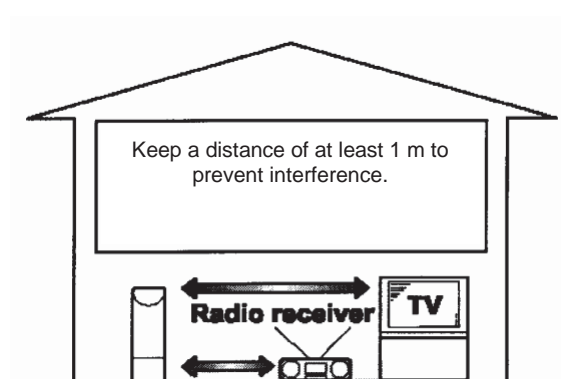
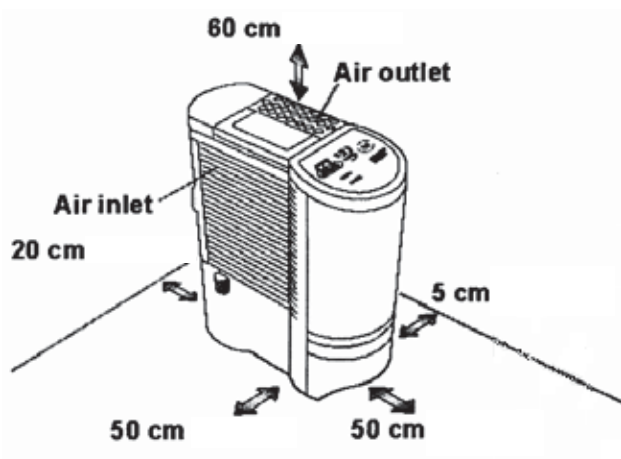


# General precautions Before use

## When Installing

Follow these instructions to ensure your unit operates properly.

- Do not place any objects within the distances shown below:
- Place the unit at least 1m away from TV, and radio receiver, etc.. (to prevent interference with reception.)



## When switched on ensure:

Room temperature is between approximately 1°C - 40°C, and that humidity is 20% or more.

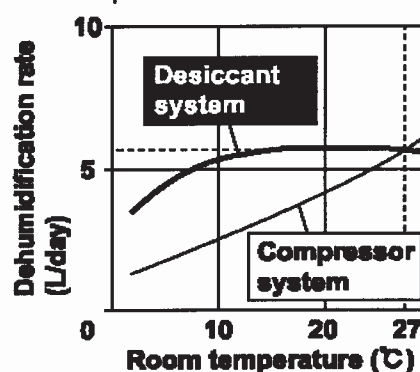
When room temperature is other than the range indicated, safety devices may operate to switch-off and protect the unit.

- As humidity in a room decreases, the rate of dehumidification drops.

Do not knock or tilt the unit. If the unit falls over, stand it up immediately.

Even after dehumidification, condensation, or mould growth may still occur on window panels exposed to outside air, or in unventilated places (such as behind furniture).

Room temperature and dehumidification rate



## Caution

Do not obstruct the air inlet and outlet of the unit with fabrics etc.



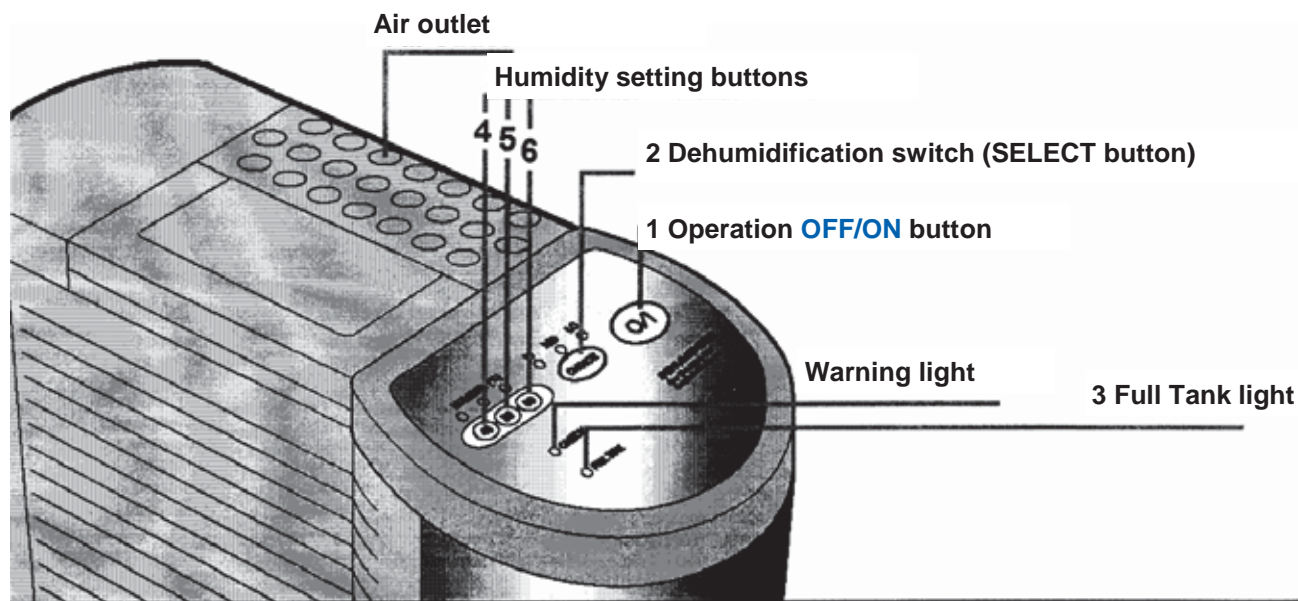
Prohibited - Bad ventilation can cause overheating or fire.

## If a power cut occurs when the unit is switched on

-The dehumidifier will switch off. Turn ON again by pressing the Operation OFF/ON button after the power is restored.



# How to operate



## Start

Press **1**  (Operation OFF/ON button)

- The unit will start MID operation. (MID Light turns ON.)
- Press the button again to switch off. (All lights turn OFF)

## SELECT button /For CONSTANT operation

Press **2** 

- Every time you press the button, the operation switches sequentially between HI (Lights up)-> MID -> LO .
- For rapid dehumidification-----Select HI
- For quiet operation -----Select LO

## When tank is full or not in place

**3**  (Flashing)

- Unit switches off automatically
- When the tank is emptied and returned to the unit, the unit will restart in the same mode as before. ( Full Tank-light turns OFF)







### Note

- **Before unplugging or switching off at the power socket**

Be sure to wait for approximately 3 minutes after turning OFF the unit before unplugging the power. (A fan continues to run to cool down the heater for approximately 3 minutes after the unit is turned OFF)

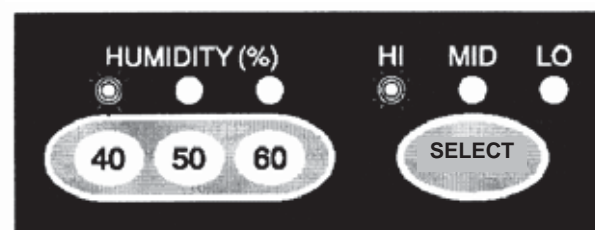
- **Operation OFF/ON button and SELECT button click when pressed.** This is normal.

## AUTOMATIC Operation with humidity setting

Press <b>4</b>		40% light ON	
Press <b>5</b>		50% light ON	
Press <b>6</b>		60% light ON	

When using the AUTOMATIC function you select the desired maximum humidity level. The unit will automatically switch between HI and LO in order to achieve this level. Normally it will run on HI if the humidity level is 10% or more higher than the set level. If the humidity level in the room falls below the set level it will revert to a Fan Only mode to conserve energy but will not switch off completely.

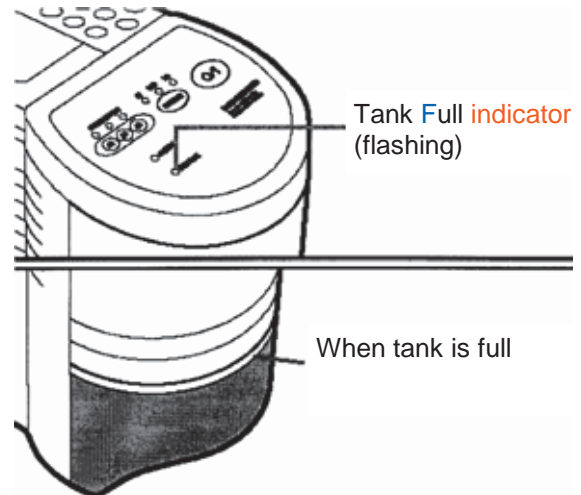
This indicates the actual humidity is 50% or more with the 40% setting selected.



# How to drain water

## ■ You need to drain water

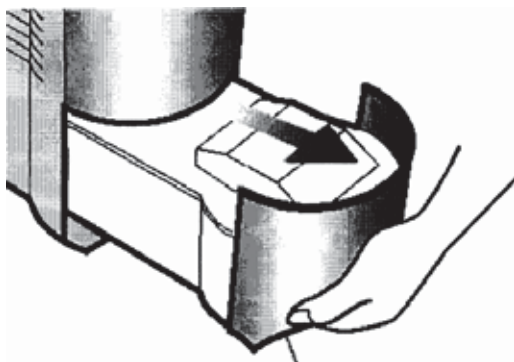
- The unit switches off automatically when the water tank is full. (approximately 5.5L) Tank Full light flashes. (All the other lights turn OFF)



## ■ How to remove tank

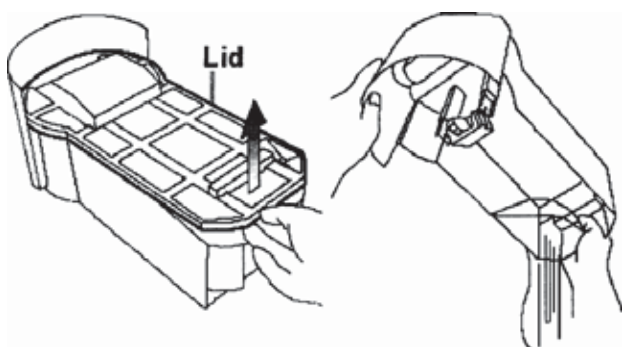
Pull out the tank slowly.

Hold the drawer handle and pull out the tank carefully.



Drawer pull 2.

2. Remove the lid and drain water



## Note

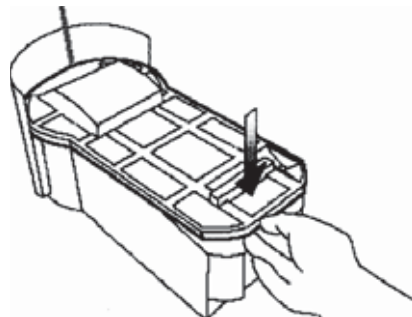
- Always replace the lid on the tank, or water will leak.
- Do not touch parts inside the unit when the tank is removed.  
This may cause failure of the unit.
- Insert the tank slowly and securely until it is fully in place.

The unit may not switch on if the tank is inserted forcibly, or not replaced securely. If necessary, remove the tank, and re-insert with care.

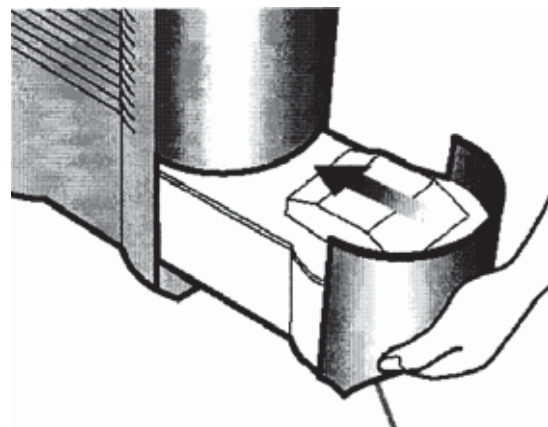
## ■ How to install the tank

1. Replace the lid

Insert the front first.



2. Insert the tank slowly until it stops. Insert slowly and securely until properly in place.



Drawer pull

# Maintenance and care

1. Switch off (Turn OFF by pressing Operation OFF/ON switch)
2. Unplug the power cord

## ■ Main unit (Monthly)

- Wipe off dirt with a soft cloth that has been dipped in lukewarm water or mild kitchen detergent, diluted with water, and wrung out. Then wipe the unit **dry** with a **clean** cloth.
- Clean the air inlet and outlet using the suction nozzle of a vacuum **cleaner**.

Prohibited



## Note

- **Do not lay the unit down.**  
This can cause water **to** leak.
- **Do not **pour** water directly on **to** the unit.**  
This can cause an insulation failure, rust, and electrical shock.
- **Do not use cleaning agents, as shown **above right**.**  
Use of these can cause **damage to** and/or discoloration of the unit.
- **When you intend to use a chemically treated cleaning cloth, first **read and then follow** the directions .**

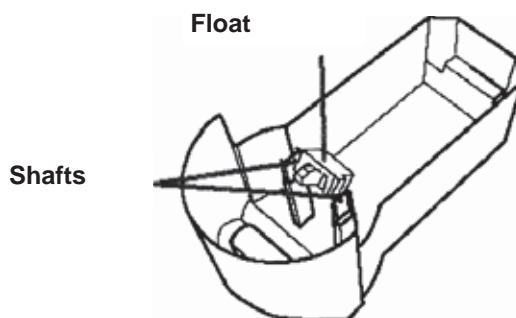
## ■ Water Tank, Lid, Float (About every two weeks)

### Tank and lid

Rinse a few times with clean tap water. If the dirt is heavy, wash with mild kitchen detergent diluted with water.

### Float

Remove slime on the float, without detaching it. Also remove dirt around the shafts (**this prevents malfunction of the float**)



## Note

- **Always replace lid on the tank, or water may leak.**
- The inside of the tank can turn brownish due to dirt dissolved into dehumidified water, depending on the conditions in the room.
- Insert the tank slowly and securely until is fully in place.  
The unit may not switch on unless the tank is replaced securely.

## Note

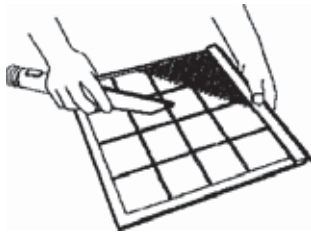
- **Never detach** the float. (The unit will not run when detached. Improper installation can also cause water **to** leak.)
- Do not **remove** the Styrofoam in the float. If detached, the unit will not switch off even when water reaches **Full**, and water may leak. (**Tank Full** detection does not work.)
- **If the float comes off refit the shafts into the appropriate size hole. (See the figure above)**

## ■ Air filter (About every two weeks)

- A clogged air filter will impair dehumidification, increase electricity costs, and cause problems.
- If running the unit without fitting the air filter, dust will accumulate inside and may cause problems.

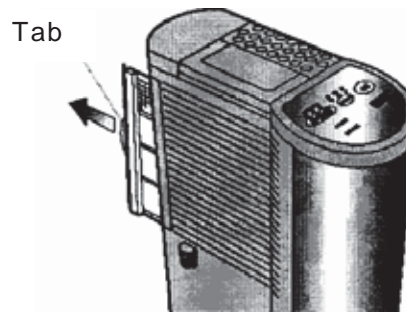
### Air filter must be;

- Cleaned with the small nozzle of a vacuum cleaner.
- If the dirt is thick, wash out the filter with mild kitchen detergent diluted with water, and dry.



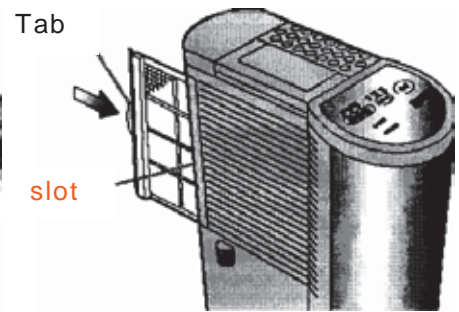
### How to detach

- Pull out the filter.



### How to refit

- Hold the tab of the filter endways and insert it into the slot in the unit



## ■ When not using for a long period

1. Leave the unit for one day after switching off and then drain the water from the tank completely.
2. Clean the main unit, tank, and air filter.
3. Cover the main unit with a plastic bag or other cover.
4. Store in an upright position, in a dry and well-ventilated place.

### Note

- Store the unit in an upright position on a level and stable surface. Tilting or laying down the unit can cause problems, or leakage of any water remaining inside. If the unit falls over, stand it up immediately.

# Specifications

Model	DH600		
Power source	230V +/- 10V , AC 50Hz		
Rated dehumidification capacity	5.5L/day at 20°C and 80 % RH / 5.1L/day at 5°C and 60% RH		
Power consumption	0.435kW.		
Working noise level (dB)	HI 45	MID 40	LO (Quiet mode) 29
Drainage water tank capacity	Approx. 5.5L (Automatic stop)		
Product weight	7.0Kgs		
Product Dimensions	545H x 200W x 430D (mm)		
Length of power cord	2.0 m		
Accessory	Carbon filter		

Rated dehumidification capacity indicates the amount of dehumidified water extracted per day when the room temperature and relative humidity is maintained at 20°C and 80% respectively.

# Troubleshooting

## Before sending for repair

Check the following points before sending for repair.

Problem	Check I	Corrective action	Reference Page
Does not switch on.	►	<ul style="list-style-type: none"> <li>Is the power plug <b>properly in the socket</b>? Has the fuse blown? (replace the fuse - 3 amp rating)</li> <li>Is the Tank full light blinking?</li> </ul>	35 33,35
Tank <b>Full</b> /No <b>Tank</b> light Flashes, <b>even though the</b> tank is not full.	►	<ul style="list-style-type: none"> <li><b>Has</b> the tank <b>been</b> replaced properly? Is it out of place?</li> <li><b>Was the tank forcibly re-fitted</b>? <b>Was</b> it inserted fully to the end? -&gt; Remove the tank and <b>carefully re-fit it</b>.</li> <li>Is the float out of place?</li> </ul>	33,36 33,36 37
Abnormal, loud sound when on.	►	<ul style="list-style-type: none"> <li>Is the air filter clogged up?</li> <li>Is the unit <b>standing on a firm and stable base</b>?</li> <li>Is the floor unstable?</li> </ul>	38 31 31
Water leakage.	►	<ul style="list-style-type: none"> <li><b>Has</b> the unit tilted or fallen over?</li> <li><b>Has</b> the unit <b>been</b> moved with water in the tank?</li> <li>Is the float detached?</li> </ul>	31,32 37
Water <b>is collecting</b> very slowly. (Unusually low dehumidification rate)	►	<ul style="list-style-type: none"> <li>Is the air filter clogged up?</li> <li>Is the air inlet or outlet obstructed?</li> <li>Is the room temperature /humidity low? -&gt;As the room temperature / humidity <b>drops</b>, the <b>extraction and collection</b> of dehumidified water decreases.</li> </ul>	38 32,34 34
Humidity does not decrease.	►	<ul style="list-style-type: none"> <li>Is the room too <b>large</b>?</li> <li><b>Are</b> the windows/ doors <b>being opened</b>/closed too often?</li> <li><b>Is there a source of humidity</b>, such as <b>an LPG Heater</b>?</li> </ul>	38 28
If the unit has fallen over/ <b>been knocked</b> .	►	<ul style="list-style-type: none"> <li>Stand the unit up immediately (to minimize the amount of water leakage) -&gt; The <b>Warning</b> light flashes. Unplug the power cord and check the equipment.</li> </ul>	31,37
If warning light is ON	►	<ul style="list-style-type: none"> <li>Unplug the power cord and check the equipment according to the instructions .</li> </ul>	

Indicated symptom	Check points	Reference Page
Warning light on	► <ul style="list-style-type: none"> <li>Is the air filter clogged up?-&gt; Clean the air filter.</li> <li>Is the air outlet obstructed?-&gt;Remove obstruction from the outlet.</li> <li>Has the unit fallen over?-&gt; 1. Unplug the power cord 2. Stand the unit up. 3. Wipe off water spilled from the tank and splashed <b>on</b> the unit. 4. Plug in the power cord again.</li> <li>Is the humidity <b>in the</b> room too low?-&gt;The lowest room humidity <b>for the unit to operate effectively</b> is approximately 20%.</li> </ul>	38 32 34 34
Warning light on and all other lights are flashing	► <ul style="list-style-type: none"> <li>Contact <b>your</b> supplier</li> </ul>	



Symptom	Yes, it's all right	Reference Page
Ambient temperature rises during running	<ul style="list-style-type: none"> <li>This product does not have a cooling function, and is designed to generate heat when on. Since windows and doors are normally closed while in use, other heat sources can also create a temperature increase. Thus, the room temperature may rise approximately 3-8°C, or even more.</li> </ul>	28

If a problem persists, contact the supplier.

## DRAINING OF WATER DIRECTLY TO WASTE

Your dehumidifier can be set up to drain the waste water via a tube directly into a sink or drain.

Procedure:

- Remove the cap on the back of the unit.(Snap off using a blunt, flat blade)
- Gently pull back the sealing arm exposing the drain pipe.
- Fit a 12 to 14 mm diameter drainage tube (not supplied) on the outlet pipe.
- Test the connection to detect and rectify possible leaks.
- If you want to close the opening, please use the cap supplied.

**WARNING:** The drainage tube should always be fitted so that the water from the unit can flow freely down, by gravity, to waste .

## DISPOSING OF THIS PRODUCT

This Product and its packaging should be disposed of responsibly, check with your Retailer or Local Authority as to appropriate methods of disposal. It does not contain any refrigerant.

Please ask your retailer for replacement carbon filter pads once cleaning becomes impractical.