

SHARP®

AIR PURIFYING DEHUMIDIFIER

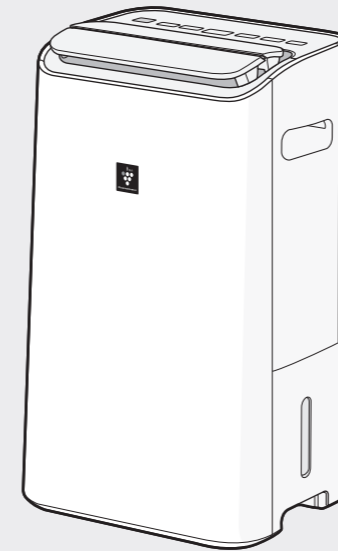
OPERATION MANUAL

Model

DW-E16FA



High - Density 7,000 *



*The number in this technology mark refers to the approximate quantity of ions per cm³ of air released from the dehumidifier equipped with a high-concentration Plasmacluster ion generating unit which was measured at the center point (1.2 meter height above the floor) of high concentration Plasmacluster 7,000 applicable floor area room (temperature 20°C, humidity 50%) when the dehumidifier was placed against the wall and runs in air purifying mode with HIGH air flow.



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Do not use the product for business purpose.

SHARP®

SHARP CORPORATION

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Thank you for purchasing this SHARP product.
Please read this Operation Manual carefully for proper usage.
Please be sure to read "SAFETY PRECAUTIONS" before use.
Keep this manual properly for future reference.

FEATURES



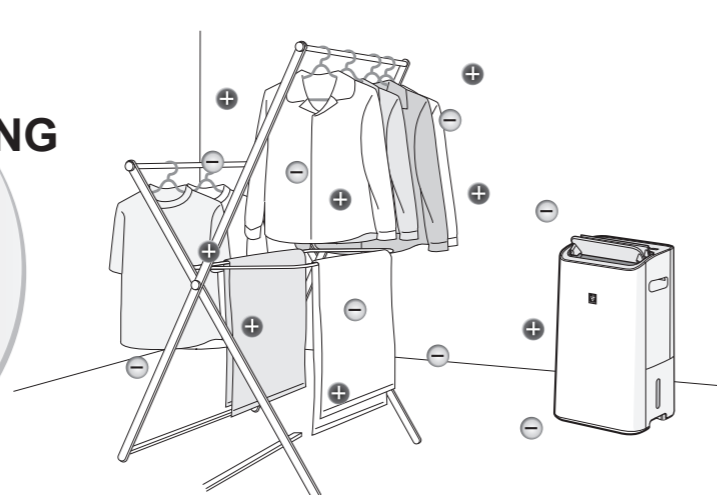
High - Density 7,000 *

A powerful Dehumidifier with a High Concentration of Plasmacluster Ions, a high performance HEPA filter^{※1}, and a deodorizing active carbon filter for Room Air Purifying, Laundry Deodorizing, Quick Drying, and Dehumidifying.

LAUNDRY DRYING

Wide angle automatic swing louvers for evenly drying

Deodorize room-dried laundry with a high concentration Plasmacluster ions.



AIR PURIFYING

HEPA filter ^{※1}+Deodorizing Active Carbon filter

Collect dust, pollen and unpleasant odor during laundry drying and dehumidifying.

※1 The filter collects 99.97% or above of 0.3µm (micrometer) particles

DEHUMIDIFYING

Dehumidification capacity: 8.8L/day^{※2}
Capable of continuous drainage with a 3.0L tank.

Adjust the dehumidification amount for proper humidity level according to the room temperature.

※2 The dehumidification level per day while the room temperature is kept at 26.7°C and relative humidity at 60%. (Dehumidifying (HIGH))

PM2.5 Removal Efficiency of the Plasmacluster Dehumidifier (DW-E16FA)

Collects 99% of 0.1-2.5µm^{※3} particles

New particles coming from outdoors due to ventilation are not taken into consideration.

- PM2.5 is a collective name for fine particles less than 2.5µm in diameter.
- It is not confirmed whether the dehumidifier can remove small particles less than 0.1µm in diameter. It cannot remove all harmful substances in the air, either.
- The effect is achieved in a confined space of 32m³ instead of an actually used space.

※3 Test method: JEMA (HD-128); Judgment criteria: It takes less than 90 minutes to remove 99% of small particles of 0.1-2.5µm in a confined space of 32m³. (A value converted to a test space of 32m³)

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FAQs

Q The sound seems too loud?

A There is a sound at the start of operation/during operation/when the unit stops. This is the sound of compressor operation or refrigerant (coolant) circulation. (E - 29)

Q The water does not accumulate in the tank. Is the unit dehumidifying?

A When the temperature is high, or when the temperature or humidity is low, air flow mode will operate, and the unit will not dehumidify. The water will not be collected in the tank during this time. (E - 28)

Q Will the room get warm?

A When using functions such as laundry drying or dehumidifying, warm air will be coming out from the front air outlet, and when used in an enclosed room, the room temperature will go up.

Q I would like to continuously operate the unit in dehumidifying mode. Is continuous drainage possible?

A Continuous drainage is possible by using a commercially available hose (inner diameter 15mm). (E - 11, 21)

Q The CURRENT HUMIDITY display seems wrong?

A The CURRENT HUMIDITY display is only for reference. (The value will not necessarily be the same with other devices.)
When the humidity suddenly changes immediately after the laundry drying mode starts, the display might be different from the actual humidity. When the humidity is 31% or lower, the display will show [Lo]; and 91% or above will show [Hi].

Q The air flow seems to get stronger on its own?

A Even if the laundry drying, dehumidifying or air purifying (Auto) operation is set, the air flow will increase automatically during the following situations:

- When the room temperature is 30°C or above...in order to lower the internal temperature.
- When the room temperature is 15°C or lower...(Air flow only) in order to prevent frost forming inside.
- When the "odor sensor" detects dirt in the room air...in order to remove dirt in the room air.

Q Why is there odor coming out from the air outlet?

A

- If the unit is used where there is strong odor of smoking or barbecue for a long time, the odor might adhere to the filter.
 - ⇒ Sometimes, it is necessary to replace the filter. (E - 22~23)
- When the unit has been used for a long time, odor and dirt might adhere to the inside.
 - ⇒ Please regularly clean the unit and dry its inside. (E - 22)

■ Please read "TROUBLESHOOTING" for further details. (E - 28~31)

SAFETY PRECAUTIONS

To prevent any possible injury to persons or damage to property, be sure to follow the basic safety precautions, including the following:

- The degree of injury or damage resulting from incorrect use or operation while ignoring the indicated matters is classified and explained with the following symbols.


WARNING


Indicates a potentially hazardous situation which, if not avoided, could result in serious injuries or even death.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in injury to persons or damage to property.

- The precautions to be observed are indicated with the following symbols and signs.


 This symbol indicates a prohibited action.


 This symbol indicates a mandatory action.




WARNING To prevent fire, electric shock or injury

Power Plug, Power Cord


-  • Do not damage the power cord.
- Do not process, forcibly bend, pull by force, twist or bind the power cord.
- Do not place heavy objects on the power cord, or apply too much force to it.
- Do not damage the power cord while moving the unit on its casters.
(Otherwise, fire or electric shock may be caused.)
- Do not plug/unplug the power cord with wet hands.
(Otherwise, electric shock may be caused.)
- Do not connect the unit from extension cord or multiple wiring with other electronic appliances.
(Otherwise, electric shock, fire or heat may be caused.)
- Do not use other than the rated voltage 220-240V (50Hz).
- Do not operate or stop the unit by using the power plug.
(Otherwise, electric shock or fire may be caused.)

-  • Make sure there is no dust on the power plug and insert it into the outlet completely. Any dust around the power plug should be wiped off with a dry cloth periodically.
(Accumulated dust may result in poor insulation from humidity, etc., thereby causing fire or electric shock.)

During Usage

-  • 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 appliance shall be installed in accordance with national wiring regulations.
- Do not put fingers or foreign objects (pin, needle, stick, etc.) into the air outlet or air intake.
(The fan is rotating at high speed inside. Injury, electric shock and malfunction may occur.)
- Do not make modifications. Disassembly, repairing, modifications shall not be made by a person other than the service engineer.
(Otherwise, fire, electric shock or injury may be caused.)
- Do not place spray cans close to the main unit. Do not use flammable hazardous materials (gasoline, thinner, etc.) near the main unit.
(Otherwise, ignition of fire, explosion may occur.)
- Do not directly apply air to human bodies for a long period of time.
(Otherwise, sickness or health problem may occur.)
- Do not place the unit near heating appliances.
(Otherwise, plastic parts will melt and fire ignition may occur.)

In Case Of An Exception (e.g., burnt smell)

-  • Be sure to immediately shut down the product, remove its power plug and contact the customer service center for repair.
(Otherwise, electric shock or fire may be caused.)
- For repairs, please consult the store where you purchased the product or the nearest customer service center.
(An incomplete repair may cause electric shock, fire or injury.)

Before Maintenance

- Be sure to shut the unit down and remove its power plug.
(The inner fan is rotating at high speed and may cause injury.)

Be sure to follow...



CAUTION

In order to prevent electric leakage and injury, and protect your household goods

Power Plug, Power Cord

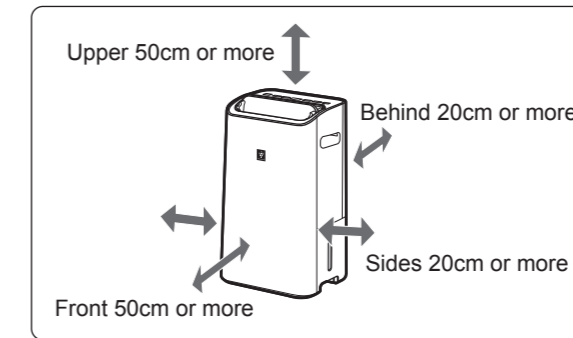
- **Always hold the power plug when unplugging the unit.**
(Otherwise, fire, electric shock, short circuit may be caused.)
- **If you are planning not to use the unit for a long time, unplug the power plug from outlet for safety.**
(Otherwise, electric shock, electric leakage or fire may be caused.)

During Usage

- **Do not put flammables or lit cigarettes or incenses near the air inlet.**
(Otherwise, fire may be caused.)
- **Do not wipe with benzene or thinner or apply insecticide.**
(Otherwise, crack, electric shock or fire may be caused.)
- **If fumigating insecticide is used indoors, its chemical composition will be accumulated inside the unit that is not in operation. When it is discharged from the air outlet, it will be harmful to health. After using insecticide, please ventilate well before operation.**
- **Do not use the drained water for drinking or feeding.**
(Otherwise, health problems may be caused.)
- **Do not use the unit in a tight enclosed space such as closet or in between furniture.**
- **Do not block the air outlet or air intake.**
(Otherwise, air flow will be obstructed, resulting in overheating or ignition.)
- **Do not use on a high place such as on the table.**
(When the main unit falls, injury may be caused.)
- **Do not sit on or lean on to the product.**
(Otherwise, injury, fault or damage may be caused from tumbling.)
- **Do not use the product in a place where it can easily get wet or in the bathroom.**
- **Do not wash the product directly with water.**
- **Do not place an object with water such as a vase on top of the main unit.**
- **For indoor use only. Do not use the unit under direct sunlight or in any location exposed to rain and wind.**
- **Do not leave the unit where oil or flammable gas may leak.**
(Otherwise, electric shock, over-heating, electric leakage or fire may be caused.)
- **Do not store or move with the main unit down on its side.**
(Otherwise, equipment damage or malfunction such as water/electric leakage may be caused.)
- **Do not expose the air from this product directly to heating appliances.**
(Otherwise, incomplete combustion of heating may be caused.)
- **Do not use for storage/special purpose for artworks or academic materials.**
(Otherwise, quality degradation of stored materials may be caused.)
- **Do not use for long hours in a room with people.**
Heat will generate during "laundry drying" and "dehumidifying".
Increased room temperature and dryness may cause health problems.
Look out when the following type of people is in the room.
(Baby, children, elderly, person who cannot operate this product.)



- **Always have plenty of room around the main unit.**
(Poor ventilation may cause over-heating, fire, and malfunction.)



- **Be sure to clean the product, floor and surroundings when using the product in a same place for a long period of time.**
- **Before moving the main unit, always stop the operation and dispose the water in the water tank.**
- **Operate the unit only on level, stable surfaces.**
- **Check for bent hose/falling height when conducting continuous drainage and place the hose where it will securely drain.**
- **Keep the temperature around the hose above freezing point when using the drainage hose.**
(Inner water may leak in the room and dampen the furniture or may cause electric shock/leakage, fire.)
- **When operating the product together with a burning appliance, be sure to open the window for ventilation. The product does not remove carbon monoxide or other harmful substances.**
(In case of insufficient ventilation, asphyxia might be caused due to insufficient oxygen.)
- **Do not drag the casters to change the direction of the main unit.**
(Otherwise, floor surface or carpet may be damaged.)
- **The appliance can be use by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazard involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.**

NOTE

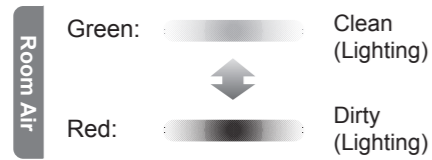
- If there is a noise in TV/radio or radio clock does not display the correct time, move the product away as far as possible.

PARTS NAME

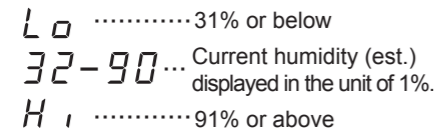
MAIN UNIT AND CONTROL PANEL

Control Panel

ODOR Indicator Light (green, orange, red)
Indicates the cleanness of the room by color.



CURRENT HUMIDITY display
Displays the current humidity (estimate).



Plasmacluster Ion ON/OFF button
(Also used as a CHILD LOCK ON/OFF button)
E - 19

Plasmacluster Ion indicator light (blue)
Lighting...Plasmacluster Ion is running

CHILD LOCK indicator light (green) E - 19
Lighting...Child Lock is enabled

OFF TIMER button E - 18
Sets the operation time for the OFF TIMER.

OFF TIMER indicator light (green)
Displays the set time for the OFF TIMER.

Tank FULL indicator light (red) E - 20
Blinking.....The water tank is full

OFF button E - 17
Stops the operation.

V.SWING button E - 18
Switches the vertical swing mode of the louver.

V.SWING indicator light (green)
Displays the swing status.

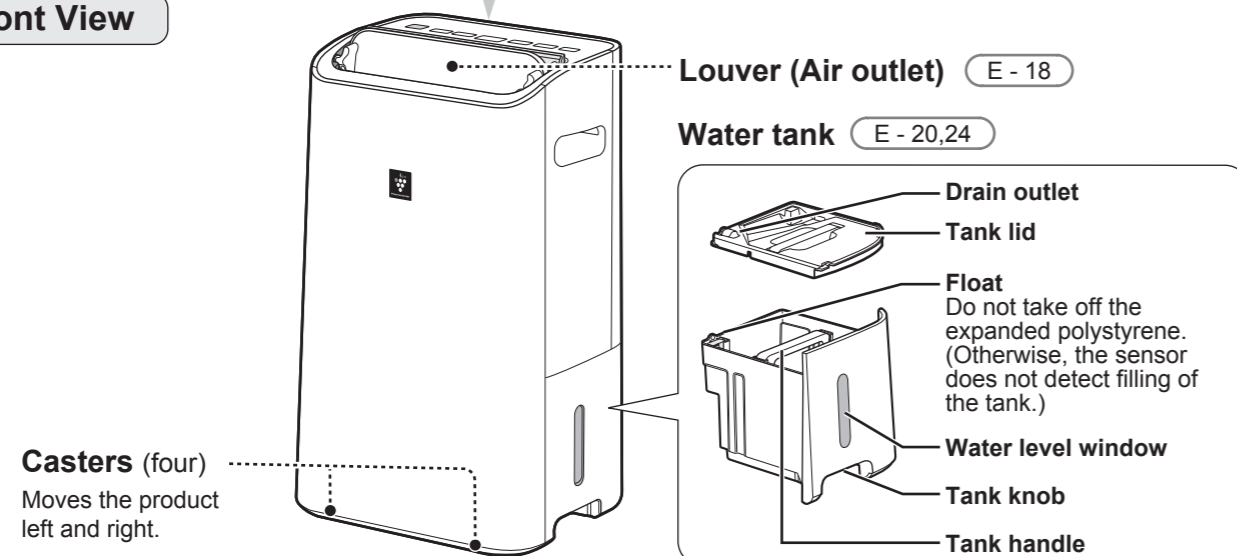
FAN SPEED button E - 14,15,17
Changes the fan speed.

FAN SPEED indicator light (green)
Displays the fan speed in the current operation.

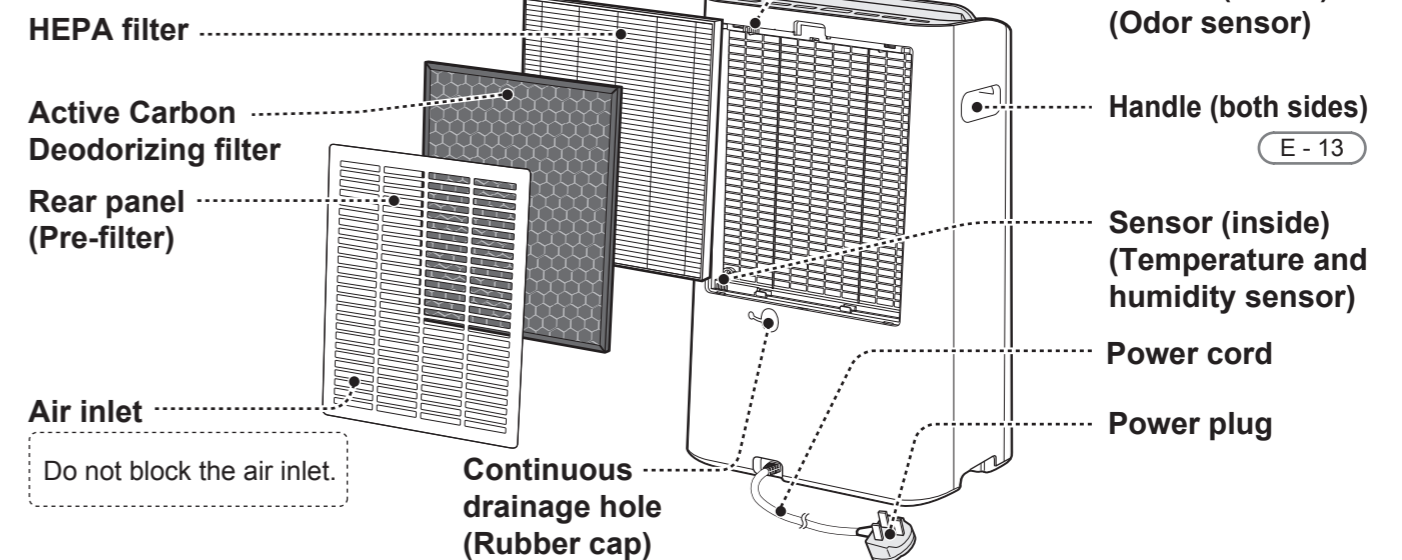
POWER/MODE button E - 14~17
Switches the operation mode.

POWER/MODE indicator light (green)
Displays the operation status.
The AIR PURIFYING indicator light is turned on in all operation modes.

Front View



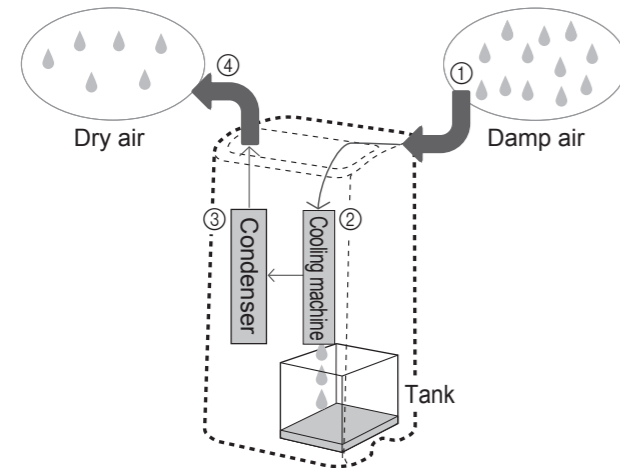
Back View



WHAT YOU NEED TO KNOW

DEHUMIDIFICATION MECHANISM

It is found that dew is formed on the surface of a cup holding cold water in the midsummer and water drop is attached to window glass of a room with heat supply. This occurs when warm air with much moisture gets contact with cold items. In accordance with the principle, wet air is used in a cooling machine to remove moisture.



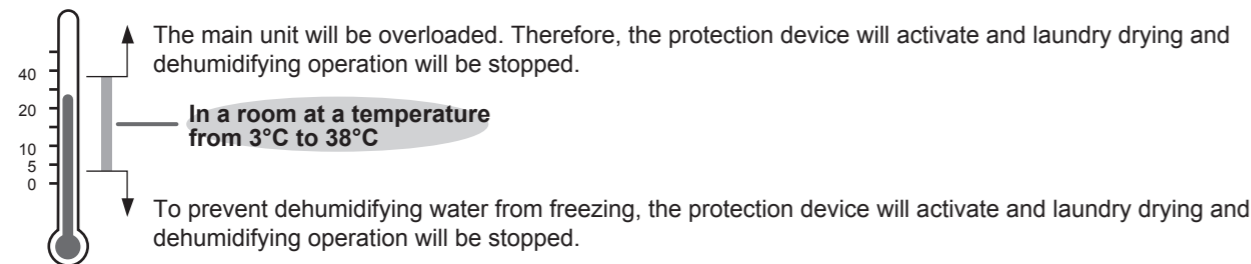
- ① Damp air comes in from the air inlet.
- ② Vapor contained in air is cooled and becomes water drops, which flow into the water tank.
- ③ Air that has been cooled by the cooling machine is heated.
- ④ Dry air comes out from the air outlet.

- It has no refrigeration capability, which is different from an air conditioner. As heat is generated in operation, the room temperature might increase by 2°C-5°C, depending on the ambient conditions (external temperature, room area, etc.).
- Humidity might not be kept at 55-60%, depending on the ambient conditions.

ABOUT DEHUMIDIFICATION

In the following cases, the compressor will stop and will not dehumidify. The unit will switch to the air flow mode.

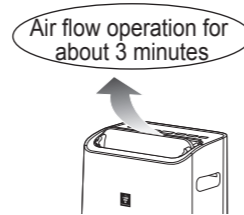
When the room temperature is lower than 3°C or higher than 38°C



At the time of re-operation

To protect the unit, the compressor will not operate for about 3 minutes immediately after the unit is started in the following cases:

- Immediately after the power plug is inserted
- Immediately after laundry drying/dehumidifying operation is stopped



At the time of defrosting

When the room temperature falls below 15°C, the unit will automatically start defrosting (Air flow mode) in order to prevent frost from forming inside the main unit.

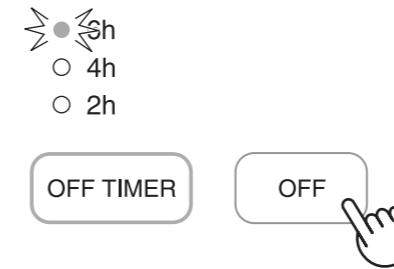
- Once every 45 minutes, the compressor will stop and "HIGH" air flow mode will operate (for about 12 minutes). The lower the room temperature, the longer the compressor stop time.

AUTO OFF FUNCTION (LAUNDRY DRYING (HIGH/MED/LOW)/DEHUMIDIFYING)

The operation will stop automatically after 12 hours in case the unit has been forgotten to be turned off. (A long beep will sound when the operation stops and the OFF TIMER "6" indicator light will blink)

When the unit operates again after being stopped by the Auto Off function

RE-OPERATION



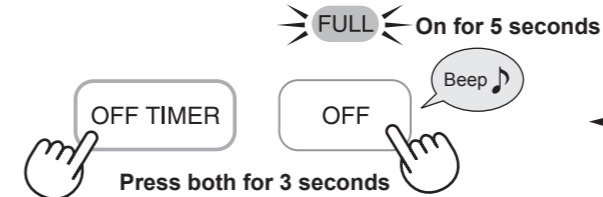
Press the OFF button to stop the indicator light from blinking, and start the operation again.

To run the unit for more than 12 hours continuously, or to drain water continuously, disable the Auto Off function.

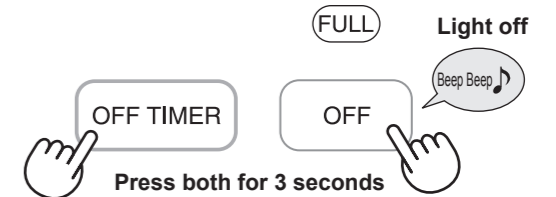
DISABLE/ENABLE

Operation stopped

"To disable"



"To enable"



NOTE

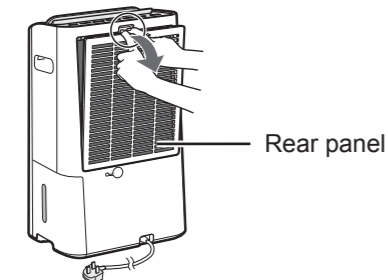
- The Auto Off function is set when the power plug is plugged in.
- Once the power plug is pulled out, the Auto Off function will be reset.

BEFORE USE

WHEN USING FOR THE FIRST TIME

- There might be some water left in the water tank from the factory product inspection. This is not a malfunction.
- Install the filter before inserting the power plug into the socket.

1

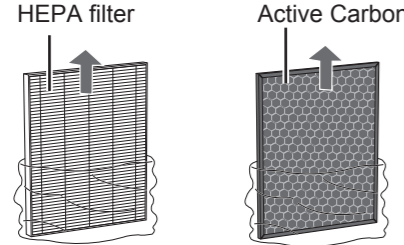


Rear panel

Remove the rear panel and then the filters

- There are two types of filters in the unit.

2

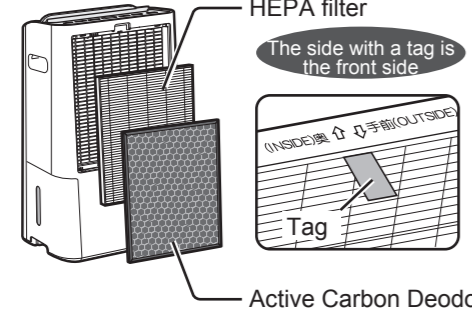


HEPA filter Active Carbon Deodorizing filter

Take out the filters (two types) from the plastic bag

- Install the HEPA filter (the thick one) while taking the side with a tag as the front side. If it is installed reversely inside out, the purifying effect might not be achieved.
- The Active Carbon Deodorizing filter does not distinguish between inside and outside.
- Pull out the tag of the HEPA filter in front of the Active Carbon Deodorizing filter in order to facilitate removal.

3



HEPA filter The side with a tag is the front side

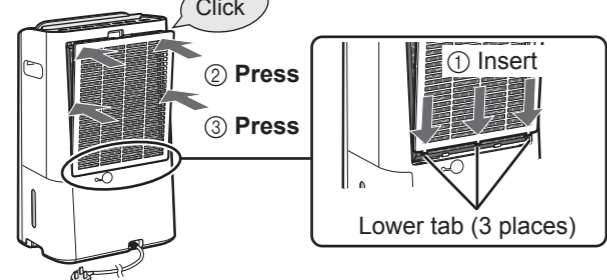
Active Carbon Deodorizing filter No difference between inside and outside

Install the HEPA filter first and then the Active Carbon Deodorizing filter

HEPA filter Tag

Active Carbon Deodorizing filter

4



Click

② Press ③ Press

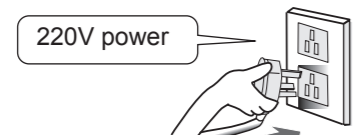
① Insert

Lower tab (3 places)

Install the rear panel

- ① Insert the tab on the lower side
- ② Press the upper side
- ③ Press the center

SUPPLY



220V power

Place it on a level, stable place and insert the power plug into the socket.

INSTALLATION LOCATION

Avoid places with direct sunlight.

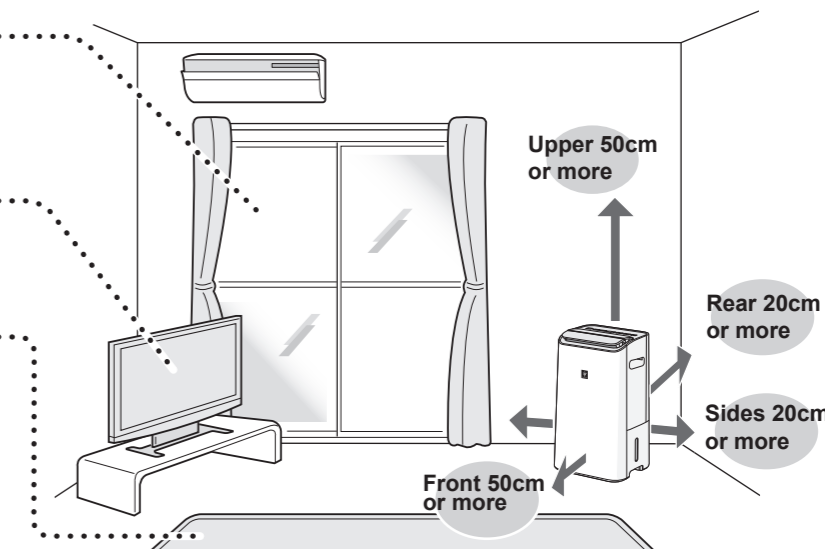
- May cause deformation or protection device activation.

If there is a noise in TV/radio or a radio clock does not display the correct time, move the product away as far as possible.

Level, stable place

- Thick carpet or futon is a very unstable place.

Operate it in a room at a temperature from 3°C to 38°C. E - 10

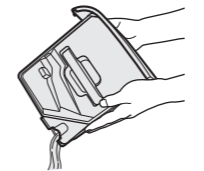


NOTE

- Do not use in the following places. (Otherwise, malfunction might be caused.)
 - With a lot of salt such as seaside area.
 - With a lot of sulfide gas such as hot-spring area.
 - With a lot of machine oil.
 - With a lot of steam or oily smokes.
- Do not use any cosmetic products* formulated with fluororesin or silicone near the main unit. Plasmacluster ion may not generate if fluororesin or silicone gets into the main unit.
 - * Hair care products (hair coating solution, hair mousse, hair treatment), cosmetic products, antiperspirant, antistatic products, waterproof spray, waxing products, glass cleaner, chemical cloth, wax, etc.

WHEN MOVING

1

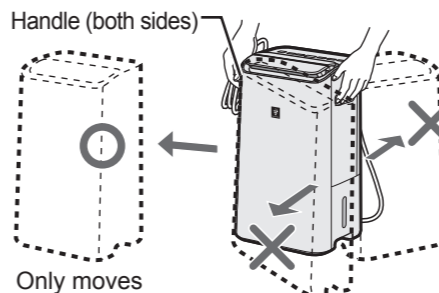


Stop the operation, open the drain outlet, and dispose water in the tank.

E - 20

- Bundle the power cord and hold along with the handle to move. Pulling on the power cord will damage the power cord.

2



Handle (both sides)

Hold the handle to move

Only moves transversely.

Caster

HOW TO OPERATE

NOTE
 Do not block the air outlet with clothes, etc.
 [Otherwise, over-heating, fire or malfunction may be caused]

LAUNDRY DRYING

When drying laundry

1

- DEODORIZE
- DEHUMIDIFY
- LAUNDRY
- AIR PURIFYING

Beep

POWER /MODE

Select LAUNDRY.

- "LAUNDRY" will operate immediately after the power plug is plugged in.
- Unless the power plug is unplugged, the unit will operate in the last mode that was selected.
- The AIR PURIFYING indicator light remains on.

2

FAN SPEED

Beep

Select your desired fan speed.

- HIGH** Dry laundry with continuous operation of "HIGH" fan speed^{※1}.
- MED** Dry laundry with continuous operation of "MED" fan speed^{※1 ※2}.
- LOW** Dry laundry with continuous operation of "LOW" fan speed^{※1 ※2}.

AUTO (Auto stop)

When you want to dry your laundry but with less power consumption
 Dehumidifying operation (compressor operation) and Air Flow operation (compressor stopped) will alternately repeat with "HIGH" fan speed and dry the laundry.

- The operation will automatically stop when the humidity level falls below 60% after about 30 minutes of operation or when the unit has operated for about 3 hours. (A long beep will sound when the operation stops and the Laundry indicator light will blink. To operate again, press the OFF button)

※1 If the Auto Off function is not disabled, the operation will stop after 12 hours. (E - 11)
 ※2 The fan speed may increase with the room temperature. (E - 3)

3

V.SWING

Beep

Select your desired louver angle. (E - 18)

- Make sure the air blowing out from air outlet is directly pointing to your laundry.

The distance between air outlet and laundry should be 10cm or more.

NOTE

- Stretch the wrinkles of wet laundry and dry in an airy place.
- Dry thick laundry in a well ventilated place.
- The drying time will be longer for a low temperature room, large room, and when the quantity of laundry is large. Laundry drying operation may stop even the laundry has not been dried when the fan speed is set to "AUTO". This is not a malfunction. Conduct Auto operation again for more drying time.

DEHUMIDIFYING

When you want to dehumidify, prevent dew formation on the ceiling, wall or window glass, or dry your tatami or closet.

1

- DEODORIZE
- DEHUMIDIFY
- LAUNDRY
- AIR PURIFYING

Beep

POWER /MODE

Select DEHUMIDIFY.

- "LAUNDRY" will operate immediately after the power plug is plugged in.
- Unless the power plug is unplugged, the unit will operate in the last mode that was selected.
- The AIR PURIFYING indicator light remains on.

2

FAN SPEED

Beep

Select your desired fan speed.

- HIGH** Dehumidify with continuous operation of "HIGH" fan speed^{※1}.
- MED** Dehumidify with continuous operation of "MED" fan speed^{※1 ※2}.
- LOW** Dehumidify quietly with continuous operation of "LOW" fan speed^{※1 ※2}.

AUTO When you want to automatically dehumidify

With the "odor, temperature and humidity sensor", the unit will monitor the room condition and automatically switch the fan speed for continuous operation^{※1}.

Adjust the dehumidification amount for proper humidity level according to the room temperature. When the room temperature is too low or too high, it might not reach the appropriate humidity level. (E - 28)

Room temperature	Appropriate humidity
3°C-26°C	60%
26°C-38°C	55%

※1 If the Auto Off function is not disabled, the operation will stop after 12 hours. (E - 11)
 ※2 The fan speed may increase with the room temperature. (E - 3)

3

V.SWING

Beep

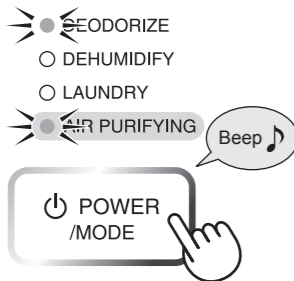
Select your desired louver angle. (E - 18)

HOW TO OPERATE (Continued)

DEODORIZING

When you want to deodorize your laundry

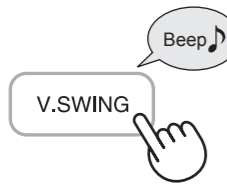
1



Select DEODORIZE.

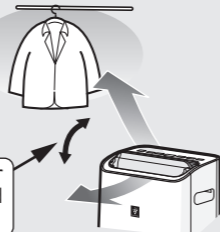
- "LAUNDRY" will operate immediately after the power plug is plugged in.
- Unless the power plug is unplugged, the unit will operate in the last mode that was selected.
- The AIR PURIFYING indicator light remains on.

2



Select your desired louver angle.

- Make sure the air blowing out from air outlet is directly pointing to your laundry.



The distance between air outlet and laundry should be 10cm or more.

E - 18

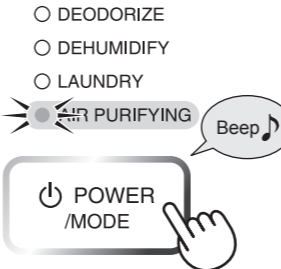
NOTE

- Air flow only. The compressor does not work.
- The unit operates at "HIGH" fan speed. The fan speed cannot be selected.
- Smell removal efficiency may vary with the type and intensity of adhering smell and clothes material.
- The smell adhering to the part where the air flow does not point may not be removed.
- Plasmacluster Ion "OFF" cannot be selected.
(If Plasmacluster Ion "OFF" is set, it will automatically switch to "ON")
- The operation may work with a full tank. The Tank FULL indicator light will not blink during this time.

AIR PURIFYING

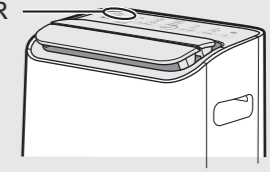
Purifies the air in a room without dehumidifying

1




Select AIR PURIFYING.

- "LAUNDRY" will operate immediately after the power plug is plugged in.
- Unless the power plug is unplugged, the unit will operate in the last mode that was selected.
- The angle of the vertical swing louver cannot be selected.
*The most suitable louver angle has been set for air purifying.
- The ODOR indicator light indicates the cleanness of the room by color. E - 8



2



Select your desired fan speed.

- HIGH** Purifies the air with continuous operation of "HIGH" fan speed.
- MED** Purifies the air with continuous operation of "MED" fan speed.
- LOW** Purifies the air with continuous operation of "LOW" fan speed.
- AUTO** Purifies the air in a room automatically
With the "odor sensor", the unit will monitor the room condition and automatically switch the fan speed for continuous operation.

STOP

When you want to stop the operation halfway

1



STOP

- The indicator light will go off and louver will shut automatically.
- Run the internal drying operation when planning not to use for a long time. E - 22

EASY-TO-USE FUNCTIONS

VERTICAL SWING LOUVER

When you want to change the louver angle

1 During operation

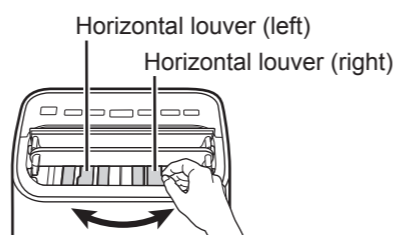
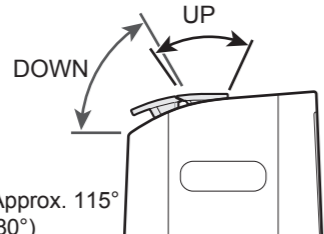
Select your desired louver angle.

- Do not forcibly move the louver with hands. (Otherwise, malfunction may be caused.)
- In the air purifying mode, the angle of the vertical swing louver cannot be selected.
- To adjust the position, press the button and set the louver at the desired position. Then the indicator light turns off.

• "WIDE" repeats "UP" and "DOWN" movements.

• Please adjust the horizontal louver leftward or rightward to your desired angle manually.

Louver movement angle: Approx. 115°
(Reach of wind: Approx. 180°)



OFF TIMER

1 During operation

Select your desired time.

- You will hear a notification sound (Long beep) once the preset time is reached and the operation will stop.
- The OFF TIMER indicator light will change as the operation time progresses.
- When the water tank becomes full during off timer operation, the operation will stop but the off timer counting will continue. (You may continue the timer operation after draining.)
- To disable the off timer, press the OFF TIMER button and turn the OFF TIMER indicator light off (i.e. cancel it).
- In the laundry drying (AUTO) mode, the operation may stop automatically after about 3 hours.

PLASMACLUSTER ION ON/OFF (ION)

Turn the Plasmacluster ion on/off

ON/OFF

During operation

"ON" → "OFF"

NOTE

• Even if the Plasmacluster ion is "OFF", if deodorizing operation is selected, the Plasmacluster ion will automatically turn "ON".

CHILD LOCK

To prevent incorrect operation by children

ENABLE/DISABLE

"To enable" → "To disable"

CHILD LOCK (PRESS 3 SEC) Press for over 3 seconds

CHILD LOCK (PRESS 3 SEC) Press for over 3 seconds

- Only the following operations can be performed when the child lock is enabled: During operation... Stop operation, Disable the child lock. Stopped...Disable the child lock.
- The child lock will be disabled when the power plug is unplugged.

NOTIFICATION SOUND OFF (Tank full/End of OFF TIMER/End of Auto Off function)

When you go to bed at night or feel bothered by "Notification sound"

ENABLE/DISABLE

Operation stopped

"To enable (mute)" → "To disable"

V.SWING OFF Press both for over 3 seconds

V.SWING OFF Press both for over 3 seconds

NOTE

• This setting will be canceled once the power plug is unplugged and notification sound will sound.

HOW TO DRAIN

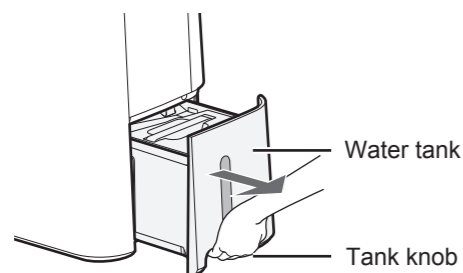
WATER TANK

If the water tank becomes full (around 3.0L) during laundry drying or dehumidifying operation, the operation will automatically stop (Full tank stop device)

- When the water tank is installed back after draining, the Tank FULL indicator light (red) will go off and operation will start again.
- During deodorizing or air purifying operation, the water tank works even if it is full. The Tank FULL indicator light (red) will not blink during this time.

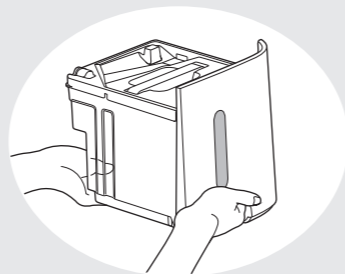


1

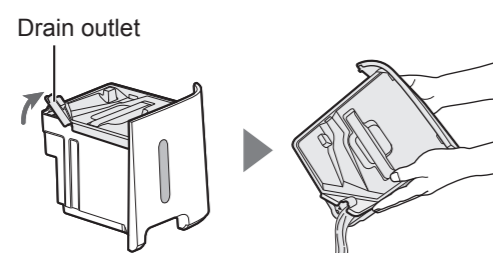


Take out the water tank

- Pull out straight while holding down the main unit.
- Gently pull out and carefully carry without tilting or dropping so no water will spill.

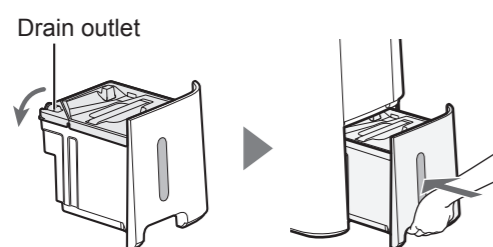


2



Open the drain outlet and dispose water

3



Close the drain outlet and set the water tank to the main unit

- Push in completely.
- Gently push in. (Rough handling may cause malfunction.)

NOTE

- Always stop the operation and dispose water before moving the main unit. (Water in the tank may spill and damage household goods.)
- Clean the inside of water tank periodically (about once a week). (Failing to clean for a long period of time may increase mold and bacteria which causes bad odor.)

If there is a place you can drain nearby, continuous drainage is possible.



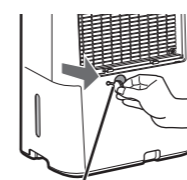
CONTINUOUS DRAINAGE

1



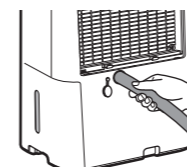
Unplug the power plug

2



Take off the rubber cap on the back side

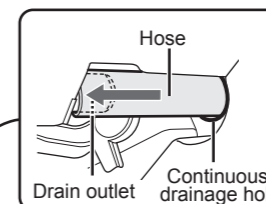
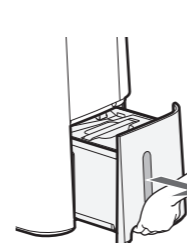
3



Commercial hose inner diameter 15mm (outer diameter up to 21mm)

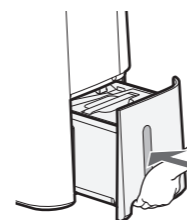
Run the hose through the continuous drainage hole on the back of the main unit and securely insert it into the drain outlet inside the main unit.

4



Take out the water tank, and securely insert the hose into the drain outlet.

5



Set the water tank to the main unit

- If the water tank is not set, dehumidifying operation cannot be performed.

How to pipe the hose

Always have the tip slanted

Do not bend

Do not put the hose tip into the water



To stop continuous drainage and restore the original position

Take the hose off from drain outlet and put the rubber cap on.

- Push in completely.
- Push in gently. (Rough handling may cause malfunction.)
- Do not use a wide-mouth hose. (Otherwise, water may leak.)

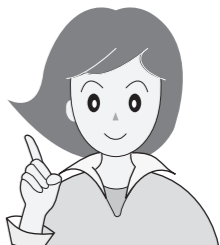
NOTE

- This dehumidifier is intended for household use. When conducting Continuous Drainage, check for dirty filters (once every two weeks) and clogging of drain hoses periodically.
- Place the drain hose where the temperature will not fall below zero. (When the water in the hose freezes, the water inside the main unit may leak into the room and soak household goods.)
- Put a net over the hose tip to prevent from insects coming in.
- Auto Off function will operate after 12 hours for Continuous Drainage as well. To release the Auto Off function, please read "To disable the Auto Off function" on [E - 11](#).

CARE AND MAINTENANCE

WARNING
 Always turn the operation "OFF" and unplug the power plug.
 [Otherwise, electric shock or injury may be caused]

We recommend periodical cleaning for a long, clean and sanitary use! Diligent maintenance is also necessary for releasing of steady and high concentration Plasmacluster ions.

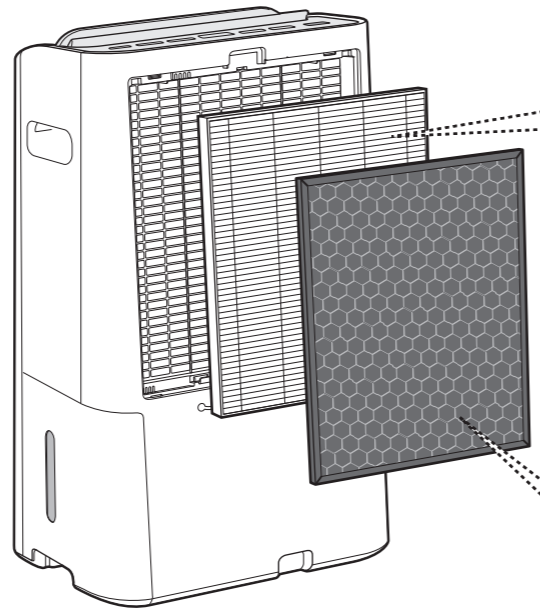


WHAT YOU NEED TO KNOW

FILTER

The air purifying function collects dust and smell composition in the whole room. When the product is used where there is strong smell of aromatic, aroma oil, cigarette or barbecue, the smell will adhere to the filter. It takes several weeks or several months for the smell to be volatilized. It is recommended to use the product together with ventilation of the room where there is strong smell. It takes more time to remove smell than dust.

If smell comes from the air outlet or it is hard to remove smell, please perform maintenance on both HEPA filter and Active Carbon Deodorizing filter.



INTERNAL DRYING

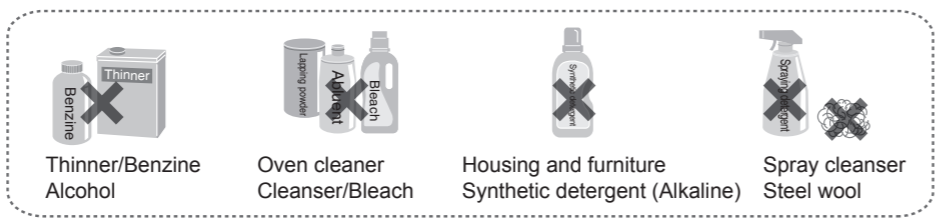
After laundry drying or dehumidifying operation, water drops may adhere to the cooler inside the main unit. Such water drops may cause mold and odor.

After laundry drying or dehumidifying operation or when the product is not used for a long time



IMPORTANT NOTICES DURING CLEANING

Do not use the following items when cleaning the unit or the filter. (Otherwise, the surface may be damaged or cracked.)



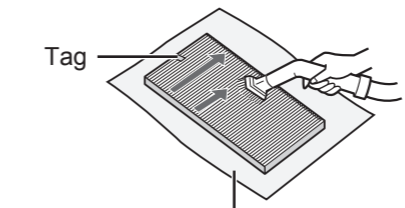
HEPA Filter

It catches pollen, allergens (faeces and dead bodies of mite), mold, dirt, dust, cigarette smoke (particles) and pet hair.

It may change color (gray, ocher) due to collecting fine dust or dirt in the room. This is not a malfunction. Proper maintenance will lengthen service life of the HEPA filter.

Gently clean the side with a tag

Gently vacuum



Put the product on a piece of newspaper to avoid contaminating its surrounding area.

Never wash it with water.
 (Otherwise, the performance of filter may be degraded)

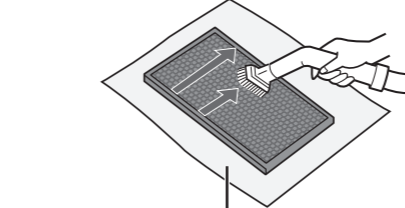
- Clean the side with a tag only. Never clean its opposite side.
- Remove the dirt on the filter surface.
- As the filter may be damaged easily, do not apply too much force.

Active Carbon Deodorizing Filter

Absorbs and decomposes various room odors, including cigarette smoke (odor), toilet odor, kitchen waste odor and pet odor.

As the Active Carbon Deodorizing filter absorbs a large quantity of smell composition, it gives out smell sometimes. Proper maintenance will lengthen service life of the filter.

Gently vacuum



Put the product on a piece of newspaper to avoid contaminating its surrounding area.

Never wash it with water or dry it in the sun.
 (Otherwise, the performance of filter may be degraded)

- Both sides can be cleaned.
- The filter may be damaged easily if too much force is applied on it, so be careful when handling it.
- Remove dirt from the filter where odor adheres.

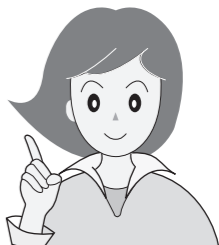
NOTE • It cannot remove all harmful composition (e.g. carbon monoxide in cigarette) or smell composition that continually volatilizes (e.g. construction material smell, and pet odor).

CARE AND MAINTENANCE

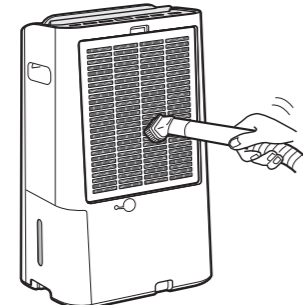
CARE AND MAINTENANCE (Continued)

WARNING
 Always turn the operation "OFF" and unplug the power plug.
 [Otherwise, electric shock or injury may be caused]

We recommend periodical cleaning for a long, clean and sanitary use! Diligent maintenance is also necessary for releasing of steady and high concentration Plasmacluster ions.

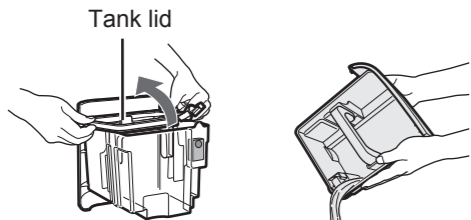


REAR PANEL Once every two weeks

1  **Remove the dust with a vacuum cleaner**

- For heavy dust **E - 25**
- Do not apply too much force on the filter. (Otherwise, the filter may be damaged.)

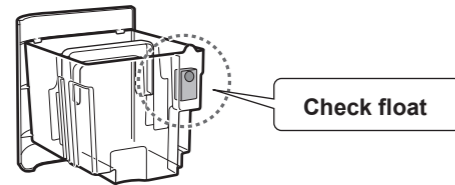
WATER TANK Once a week

1  **Dispose water and take the tank lid off**

- Remove the lid slowly from the corner.

2  **Wash the inside of the tank**

- Wash the tank with dishwashing sponge.
- Use mild detergent (dishwashing soap) with lukewarm water if necessary.

3  **Dry the tank with a soft cloth**

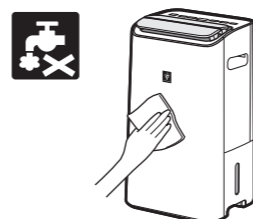
- Check to see if the float is securely attached.
- If the float comes off: **E - 30**
- Take care not to damage the float.

4  **Put the tank lid on**

- Be sure to tightly close the tank lid. (Otherwise, water may leak.)

FOR HEAVY DUST / WHEN ODOR IS A CONCERN

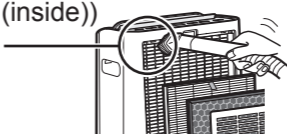
MAIN UNIT

 Use a soft cloth **to wipe**

- Do not wash with water
- For heavy dust, soak a soft cloth in lukewarm water (40°C or lower) or mild detergent to wipe dirt off.
- Clean the casters, too.

SENSOR

(Back of main unit (inside))
Sensor (odor sensor)



- 1 Remove the rear panel and the filters.
- 2 Remove dirt on the sensor as shown in the figure above with a cleaner.
- 3 Install the rear panel back to the product.

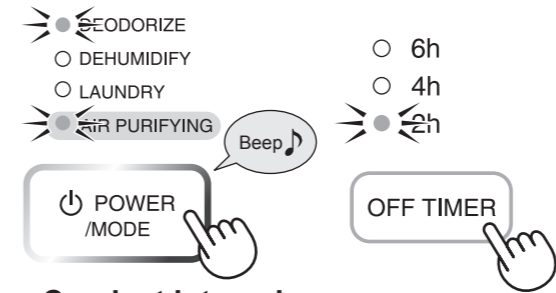
REAR PANEL

Soaking time: about 10 minutes

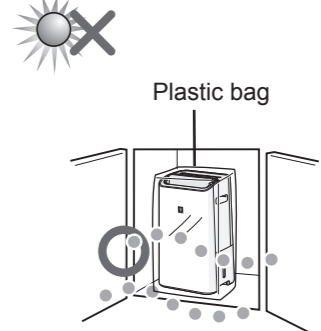


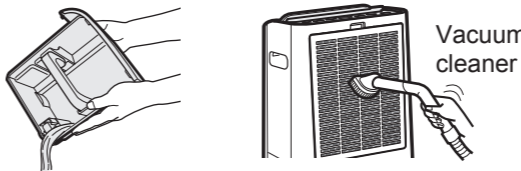
- 1 Soak and wash with synthetic kitchen detergent.
- 2 Gently scrub with a toothbrush and fully wash so that there would not be detergent residual left.
- 3 Dry in the shade.

WHEN NOT USING FOR A LONG PERIOD OF TIME

1  **Conduct internal drying operation** **E - 22**

Buttons shown: DEODORIZE, DEHUMIDIFY, LAUNDRY, AIR PURIFYING, Beep, POWER /MODE, OFF TIMER, 6h, 4h, 2h.

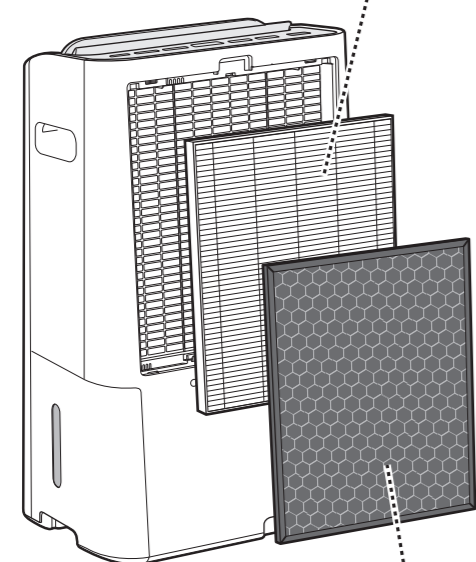
3  **Store in a dry place with no direct sunlight**

2  **Dispose tank water and clean the main unit** **E - 22-25**

CARE AND MAINTENANCE

FILTER REPLACEMENT

WARNING
 Always stop the operation and unplug the power plug before any replacement.
 [Otherwise, electric shock or injury may be caused]



HEPA Filter Once every five years*

Model: FZ-E16AHF

The filter may give off odors in several weeks or months and thus needs to be replaced, depending on the specific conditions.

※ The standard replacement cycle refers to the period before the dust collection performance drops by 50% assumed that five cigarettes are smoked a day. (In accordance with JEM1467, assumed that ten cigarettes are smoked a day, 2.5 years is the standard.)

Active Carbon Deodorizing Filter Once every five years*

Model: FZ-E16ADF

The filter may give off odors in several weeks or months and thus needs to be replaced, depending on the specific conditions.

※ The standard replacement cycle refers to the period before the deodorization performance drops by 50% assumed that five cigarettes are smoked a day. (In accordance with JEM1467, assumed that ten cigarettes are smoked a day, 2.5 years is the standard.)

NOTE

- Put the removed filters on a piece of newspaper to avoid contaminating the surrounding area.
- Dispose of consumables in accordance with your local waste classification regulations.

Material of the HEPA filter Polypropylene, polyethylene
 Material of the Active Carbon Deodorizing filter Polypropylene, polyethylene, activated carbon

- Consumables are charged even within the warranty period.

SPECIFICATIONS

Dehumidifying Specifications

Model	DW-E16FA		
Power Supply	220V-240V/50Hz		
Dehumidifying Capacity*1	30°C/80%RH	16L/day	
	26.7°C/60%RH	8.8L/day	
Power Consumption*2	26.7°C/60%RH	190W	
Standby Status*3	0.45W		
Dehumidification Area	19-38m ²		
Water Tank Capacity	Approx. 3.0L		
Length of Power Cord	Approx. 2m		
Dimensions	360mm(W) × 260mm(D) × 565mm(H)		
Weight	About 12.2kg		

- Dehumidifying Area: according to standards of JEMA.

Air Purifying Specifications

Applicable Floor Area	24m ²		
Fan Speed Mode	LOW (L)	MED (M)	HIGH (H)
Air Flow Volume	75m ³ /h	105m ³ /h	240m ³ /h
Rated Power Consumption	7W	10W	38W
Noise Level	27dB	35dB	53dB

Filter Replacement

Filter Name	Filter Model	Lifetime*4
HEPA Filter	FZ-E16AHF	5 years
Active Carbon Deodorizing Filter	FZ-E16ADF	5 years

Note: The service life of **HEPA Filter & Active Carbon Deodorizing Filter** is up to 5 years.*4
 For details on how to maintain the filter, see the Operation Manual. (E-22~26)

- ※1 Dehumidifying Capacity: the amount of humidity that a dehumidifier removes from the air in a day when room temperature and relative humidity are kept at 30°C/80%RH and 26.7°C/60%RH respectively.
- ※2 Power Consumption: the consumption value when fan speed reaches the highest.
- ※3 Standby Status: the power plug is plugged in the socket while the Power ON/Off button is set at "Off".
- ※4 The service life of **HEPA Filter & Active Carbon Deodorizing Filter** is calculated according to the following rule:
 If the dust equivalent to that of five cigarettes is absorbed in a day, the filter needs to be replaced when its dust collection capability is reduced by 50%.
 (JEMA 1467) If the dust equivalent to that of 10 cigarettes is absorbed in a day, the maximum service life of the filter is about 2.5 years.
 Depend on the different working environments, the filter is recommended to replace within several weeks or months because of heavy smells.

TROUBLESHOOTING

Please check one more time before calling for services.



Problem	Solution	Reference Page
The room becomes hot	<ul style="list-style-type: none"> Warm air will come out from the air outlet during laundry drying operation and dehumidifying operation, and if used in an enclosed room, the room temperature will go up. 	—
The unit does not dehumidify	<ul style="list-style-type: none"> The dehumidification level varies with the size, structure, temperature and humidity level of the room. When room temperature or humidity level is low, the dehumidification level will be low in general. 	—
Dehumidification amount is low (Water does not accumulate in the tank)	<ul style="list-style-type: none"> Low humidity of less than 50% cannot be maintained. Air flow mode will operate during auto dehumidifying operation when the room temperature or humidity level is low, and the unit will not dehumidify. When the room temperature is below 3°C, air flow mode will operate to prevent the water tank's water from freezing, and the unit will not dehumidify. When the room temperature is higher than 38°C, the protection device will activate, the air flow mode will operate, and the unit will not dehumidify. Additionally, if the humidity is high humidity, the protection device will work even when the room temperature is below 38°C. When the room temperature is 15°C or under, the unit automatically defrosts by switching to air flow mode which makes water harder to collect. Check to see if the unit runs in deodorizing operation. <ul style="list-style-type: none"> ⇒ Switch to laundry drying and dehumidifying operation. Check to see if the rear panel is clean. <ul style="list-style-type: none"> ⇒ Clean the rear panel. Check to see if the air outlet or air inlet is blocked. <ul style="list-style-type: none"> ⇒ Remove whatever blocks the port. 	E - 10 E - 10 E - 10 — E - 24 —
The water leaks	<ul style="list-style-type: none"> Make sure you do not tilt, knock over or drop the main unit. <ul style="list-style-type: none"> ⇒ Use the unit at a level, stable place with free of vibration. Check to see if the hose is disconnected from the drain outlet of the main unit during continuous drainage. <ul style="list-style-type: none"> ⇒ Install the hose by pushing it all the way in. 	— E - 21
The humidity level does not go down	<ul style="list-style-type: none"> The room may be too big. The opening/closing of windows and doors may be too frequent. Check to see if a humidifier or other devices that release steam is in use. 	— — —
Laundry does not dry	<ul style="list-style-type: none"> Check to see if laundry drying (Auto) mode is operating. <ul style="list-style-type: none"> ⇒ The AUTO operation will stop automatically after a maximum of 3 hours. Laundry may not be dried enough depending on the room situation. Operate AUTO mode again or switch to the CONTINUOUS laundry drying operation. (HIGH/MED/LOW) 	E - 14

During operation

Problem	Solution	Reference Page
There is a sound at the start of operation/during operation/when the unit stops	<ul style="list-style-type: none"> Buzzing sound...This is the operating sound of the compressor. Whipping, howling sound...This is the sound of refrigerant (coolant) circulation. 	E - 3 E - 3
The sound is too loud	<ul style="list-style-type: none"> The unit will sound loudly for the first few seconds upon power-on when the room temperature is low. (This duration will vary with the temperature.) Check to see if the dehumidifier is properly placed on the floor or if the floor is unstable. <ul style="list-style-type: none"> ⇒ Use the unit at a level, stable place with free of vibration. Check to see if the rear panel is clogged. <ul style="list-style-type: none"> ⇒ Clean the rear panel. 	E - 3 E - 13 E - 24
Buzzing sounds are heard from the air outlet	<ul style="list-style-type: none"> This is the sound of generating Plasmacluster ions, not a malfunction. Sound volume varies with the working environment and operation mode, but the efficiency is not affected. 	—
Odors or smokes are hard to remove	<ul style="list-style-type: none"> Check to see if the filters are enclosed in a plastic bag. <ul style="list-style-type: none"> ⇒ Take out the filters from the plastic bag. Check to see if the wind from the air outlet is weak. <ul style="list-style-type: none"> ⇒ Clean the dust and dirt off the following parts: <ul style="list-style-type: none"> • Rear panel • Sensor • Filters 	E - 12 E - 22~25
Odor comes out from the air outlet	<ul style="list-style-type: none"> Check to see if the unit is used in a room with a strong odor. If the unit is used where there is a strong odor caused by smoking or barbecue, the filter may give off odors in several weeks or months and thus needs to be replaced. <ul style="list-style-type: none"> ⇒ It is recommended to use the product together with ventilation of the room. When the unit has been used for a long time, odor and dirt may adhere to the inside. <ul style="list-style-type: none"> ⇒ Please regularly clean the unit and dry its inside. Check to see if the dirt on the filters becomes heavy. <ul style="list-style-type: none"> ⇒ Clean the filters, or replace them if you are bothered. When Plasmacluster ions are generated, a trace of ozone will be generated, which gives off an odor from the air outlet. However, its quantity is tiny and the health will not be harmed. 	E - 22~25 E - 22~25 E - 23 —

Sound

Smell

TROUBLESHOOTING

TROUBLESHOOTING (Continued)

Problem	Solution	Reference Page
Display	ODOR Indicator Light does not change its color <ul style="list-style-type: none"> After the operation starts, ODOR Indicator Light does not change its color for the time being due to unsteady sensitivity of the sensor. After a few minutes, sensitivity of the sensor becomes steady. If ODOR Indicator Light remains green, the air is fresh. It is hard for the sensor to detect in some places. It is normal if ODOR Indicator Light changes its color when cigarette smoke is blown to the sensor. If the operation is started in a room with a strong odor, sensitivity of the odor sensor may become blunt. <ul style="list-style-type: none"> ⇒ Please continue the air purifying operation (MED) for several hours or 1 day. Dust may accumulate on the sensor. <ul style="list-style-type: none"> ⇒ Please remove the rear panel and the filters and clean them with a cleaner through the hole as shown in the right figure. 	— — E - 17 E - 25
	ODOR Indicator Light does not turn green <ul style="list-style-type: none"> It may not turn green due to dirt comes from outdoors when the window or the door is opened frequently or the room is of poor airtightness. 	—
	ODOR Indicator Light often switches <ul style="list-style-type: none"> It may respond to wind and temperature change caused by opening and closing of the door frequently. 	—
	The AIR PURIFYING indicator light does not turn off <ul style="list-style-type: none"> The AIR PURIFYING indicator light cannot be turned off during operation. In all operation modes, air is purified through the HEPA filter and the Active Carbon Deodorizing filter. 	—
The float comes off <ul style="list-style-type: none"> Install the float by following the procedure below. 		

Problem	Solution	Reference Page	
The unit cannot operate Buttons do not work	<ul style="list-style-type: none"> Check the CHILD LOCK setting. <ul style="list-style-type: none"> ⇒ If locked, release the child lock. 	E - 19	
The operation stops	<ul style="list-style-type: none"> Check the power plug. <ul style="list-style-type: none"> ⇒ If not inserted, insert the power plug into an outlet. Check to see if there is a power outage. <ul style="list-style-type: none"> ⇒ If there is a power outage, wait until the power is resumed. 	— —	
The unit does not operate	<ul style="list-style-type: none"> FULL (Blinking red) 	<ul style="list-style-type: none"> Check to see if the water tank is properly placed. <ul style="list-style-type: none"> ⇒ If not, place the water tank correctly. Check to see if the water tank is full. <ul style="list-style-type: none"> ⇒ If the tank is full, drain the water. Check to see if the float is properly placed. <ul style="list-style-type: none"> ⇒ If not, place the float properly. 	E - 20 E - 20 E - 30
	<ul style="list-style-type: none"> Blinking (green) 5h ○ 4h ○ 2h 	<ul style="list-style-type: none"> The operation has stopped with the Auto Off function. <ul style="list-style-type: none"> ⇒ Press the OFF button to stop the indicator light from blinking, and start the operation again. When using continuously, disable the Auto Off function. 	E - 11
	<ul style="list-style-type: none"> Blinking (green) 5h ○ 4h ○ 2h 	<ul style="list-style-type: none"> The water tank becomes full and the operation has stopped with the Auto Off function. <ul style="list-style-type: none"> ⇒ Empty the water tank, press the OFF button to stop the indicator light from blinking, and start the operation again. 	E - 11,20
	<ul style="list-style-type: none"> ○ DEODORIZE ○ DEHUMIDIFY Blinking (green) AUNDRY ○ AIR PURIFYING 	<ul style="list-style-type: none"> Laundry drying (Auto) operation has completed, and the operation has stopped. <ul style="list-style-type: none"> ⇒ Press the OFF button to stop the indicator light from blinking, and start the operation again. 	E - 14
Other indicator lights blinking	<ul style="list-style-type: none"> The unit may malfunction. <ul style="list-style-type: none"> ⇒ Please consult the store where you purchased the product or SHARP authorized service center. 	—	
The main unit falls down (during dehumidifying or laundry drying operation or while water enters the tank)	<ul style="list-style-type: none"> When the main unit falls down while water enters the tank, pull out the power plug and consult the store where you purchased the product or SHARP authorized service center. 	—	