

SHARP[®]

Humidifying Air Purifier

OPERATION MANUAL

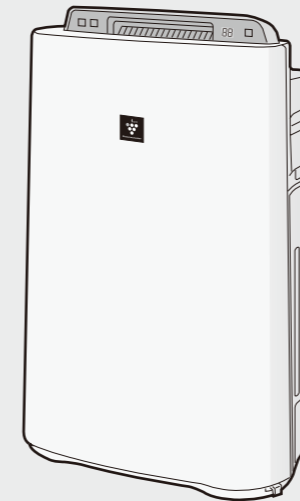
Model

KC-AF20

KC-AF50



High-Density 7000



Thanks for purchasing the SHARP Air Purifier.
Please read this manual carefully before operation.
Please keep this manual properly for future reference.



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SHARP[®]
SHARP CORPORATION



生産管理用

TINS-A218SRRZ 15H-①

Features

High-Density Plasmacluster Ion purifies the air in the room all around the year.



High-Density 7000

Equipped with High-Density Plasmacluster Ion 7000

- Same as ions found in Nature
- Air purifying ability is explained*1
- Safety is confirmed*2

● Daily Use

Fully Auto Operation Mode (E-12)

Usually this mode is recommended. It monitors room air condition, and then changes fan speed accordingly during humidification.

Sleep Mode (E-13)

It is usually recommended when you are going to bed. It controls operation sound and luminance while operating in a relatively high humidity condition, so that your skin and throat can stay moist and comfortable.

● PM2.5 Monitor (E-8)

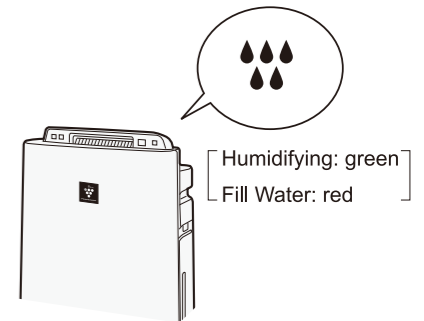
It displays the approximate quantity of PM2.5 particles in the room through the color change of the Indicator.

- PM2.5 (Particulate Matter 2.5) is the general term for the particles whose diameters are no more than 2.5 μm.
- ★ substances included in PM 2.5
 - smoke of cigarettes or lit incenses
 - cooking fume
 - car exhaust
 - smoke from burning matters
- The displayed color of the PM2.5 Indicator is only for your reference.

Frequently Asked Questions

Q Why steam or vapour cannot be seen during humidification?

A When the Humidifying Filter is moisturized, humid air will be discharged from air outlet. Humidification is achieved without water-boiling, so steam or vapour cannot be seen.

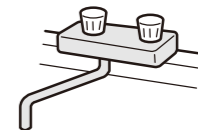


Q Will the moisturized air be very cold when it is discharged from the air outlet?

A The moisturized air may absorb heat from the air when it is discharged, therefore air blowing out from the air outlet may be colder than the ambient temperature. Depending on room size, it is possible that user may feel cold. (For example, when ambient temperature is 20°C, the discharged air may be around 15°C.) In order to release the plasmacluster ions to every corner of the room efficiently, the airflow is designed to come out from the front and the back together. Therefore, you may feel cold because of the location of the unit. (Please move the unit if you feel cold.)

Q Is it necessary to use tap water?

A It is recommended to use tap water as bacteria are hard to breed in chlorinated tap water.



If mineral water, alkaline water, well water, filtered water are used, mold and bacteria will breed, producing plenty of scale and odor.

Q Why the air coming out from the outlet is smelly?

A When the remaining water in the Tray breeds bacteria, it may be smelly; when the Humidifying Filter is stained by the minerals from the tap water, it will absorb odor in the room, then it may be smelly; when the Humidifying Filter is drying up (or the unit stops humidifying), it may be smelly.

Please clean and maintain the Tray and the Humidifying Filter. (E-18~23)

If the unit is used in a room with strong smell, the smell will be absorbed by the filters and the blown-out air may be smelly within several weeks or months.

Please replace the filters. (E-24,25)

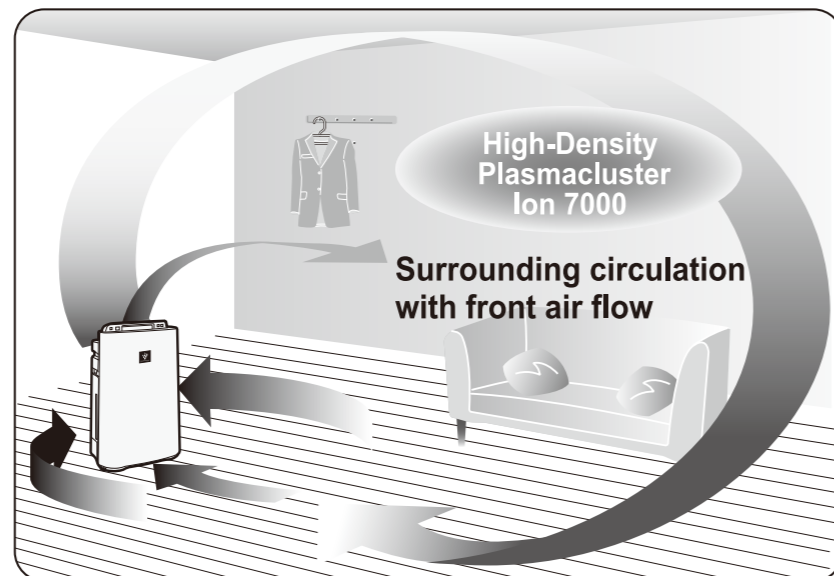
Turbo Mode (E-12)

In this mode, it will remove tiny particles efficiently and effectively. It is recommended when you want to purify the room quickly before the guests' visit.

Pollen Mode (E-13)

It is recommended when you are allergic to pollen, fine sand and PM2.5. In this mode, it will raise sensors' sensitivity automatically, monitor the pollen or dust and switch to high speed mode automatically.

The unit operates in its unique circulation way with effective airflow to purify the room efficiently and quickly by PCI technology, which can reduce the generation of static electricity and the adhesion of dust.



*1 Professor Artmann, Aachen University of Applied Sciences, Germany (aerial bacteria and viruses)
Graduate School of Advanced Sciences of Matter, Hiroshima University, Japan (aerial allergens)

*2 LSI Medience Corporation

Precautions

When using electrical appliances, basic safety precautions should be followed as below.

Warning—In order to reduce the risk of electric shock, fire or injury:

- Please read all the instructions in the manual before operating the unit.
- Only use a 220 volt outlet with a polarized receptacle.
- Do not operate the unit if the power cord is damaged or the connection to the wall outlet is loosened.
- Remove dust from the power plug regularly.
- **Do not insert fingers or foreign objects into the air intake or air outlet of the unit.**
- **Please hold the plug firmly instead of pulling the power cord when unplugging the unit.** Otherwise, electric shock, fire or short circuit may occur.
- **Do not remove the power plug when your hands are wet.**
- **Do not operate the unit near gas appliances or fireplaces.**
- **Please remove the power plug from the wall outlet before cleaning the unit or when the unit will not be used for a period.** Otherwise, bad insulation may lead to electric shock, short circuit and/or fire.
- **If the power cord is damaged, it must be replaced by the manufacturer or its agent, Sharp Authorized Service Center or equivalent qualified person so that hazard can be avoided.**
- Do not operate the unit when spraying aerosol pesticides, or there is oil residue, smoke of incense, spark of cigarettes in the room, chemical fumes in the air, or in a highly humidified place such as a bathroom.
- Please take care when cleaning the unit. Strong corrosive cleansers may damage the exterior of the unit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Only Sharp Authorized Service Center can repair the unit. If any problems, adjustments, and/or repairs occur, please contact your nearest Sharp Service Center.

Caution—Radio or TV Interference

Should this unit interfere with radio or television reception, please try at least one of the following measures to amend it:

- Reorient or relocate the receiving antenna.
- Increase the distance between the air purifier and the radio/TV receiver.
- Do not use the same socket to connect this unit and the receiver.
- If you need help, please contact your dealer or professional radio/TV technician.



If the power cord is damaged, it must be replaced by the manufacturer, Sharp Authorized Service Center or equivalent qualified person so that hazard can be avoided.

Cautions Concerning Operation

- Do not block the Air Intake and Air Outlet.
- Do not place the unit near or on heating objects, such as stoves or heaters, or anywhere it may contact with steam when operating the unit.
- Please always operate the unit in an upright position.
- **Please hold the handles on both sides of the unit firmly when moving the unit.** Hold the panel when moving the unit may cause the panel to fall off, main unit to drop, and injury.
- **Do not operate the unit without installing the filters, Water Tank and Tray.**
- **Do not wash and/or reuse HEPA Filter and 2-in-1 Deodorizing & Deformaldehyde Filter.**
- **Clean the exterior of the unit with a soft cloth only.** Otherwise, the unit may be damaged or broken. Moreover, it may lead to breakdown of the sensors.
- **Please clean the unit regularly according to different water quality. The lower the purity of water is, the more often you should clean the unit.**
- **Please keep the unit away from water source.**

Installation Instruction

- **When operating the unit, please place the unit at least 2 meters away from equipments with electric waves such as televisions, radios or clocks, so that electrical interference can be avoided.**
- **Do not install the unit in the place where the sensor is exposed to direct wind.** Otherwise the unit may not operate properly.
- **Do not install the unit in the place where objects like curtains are near the Air Intake or Air Outlet of the unit.** Otherwise, such objects may become dirty or the unit may break down.
- **Do not install the unit in the place where the unit is exposed to condensation or drastic temperature changes.** Please operate the unit in the room temperature between 0°C and 35°C.
- **Please place the unit on a stable surface with sufficient air circulation.** If the unit is placed on a thick carpet, it may cause the unit to vibrate slightly.
- **Do not install the unit in the place where dark smoke will generate (e.g. kitchen).** Otherwise, it may cause the surface of unit to crack or the sensor to break down.
- **Please place the unit 30cm to 60cm away from the wall.** It may cause the wall behind the air outlet of the unit to become dirty; if the unit is operated in the same location for a long period, please paste a soft rubber pad on the wall in order to prevent the wall becoming dirty. Moreover, please clean the wall regularly.

Filter Instruction

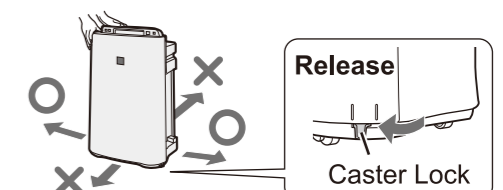
- Please follow the instruction in this manual to care and maintain the filters correctly.



- **When moving the unit, please stop the operation of the unit, remove the Water Tank and Tray, and hold the Handles on both sides of the unit.**



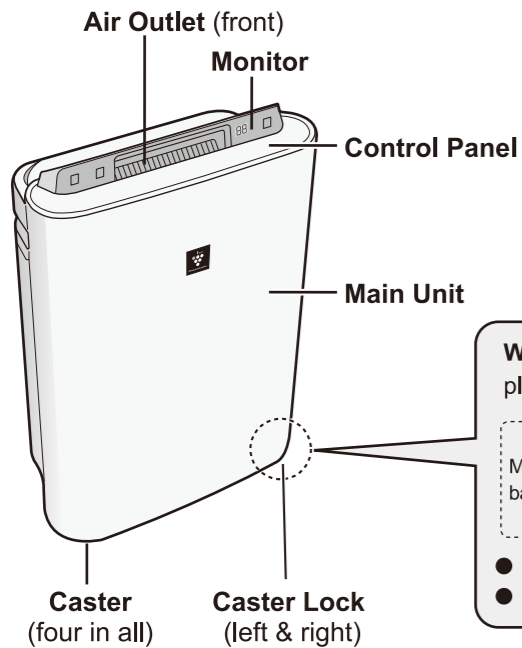
- **Please move the unit in left or right direction slowly.**



Parts Names

Main Unit

Front

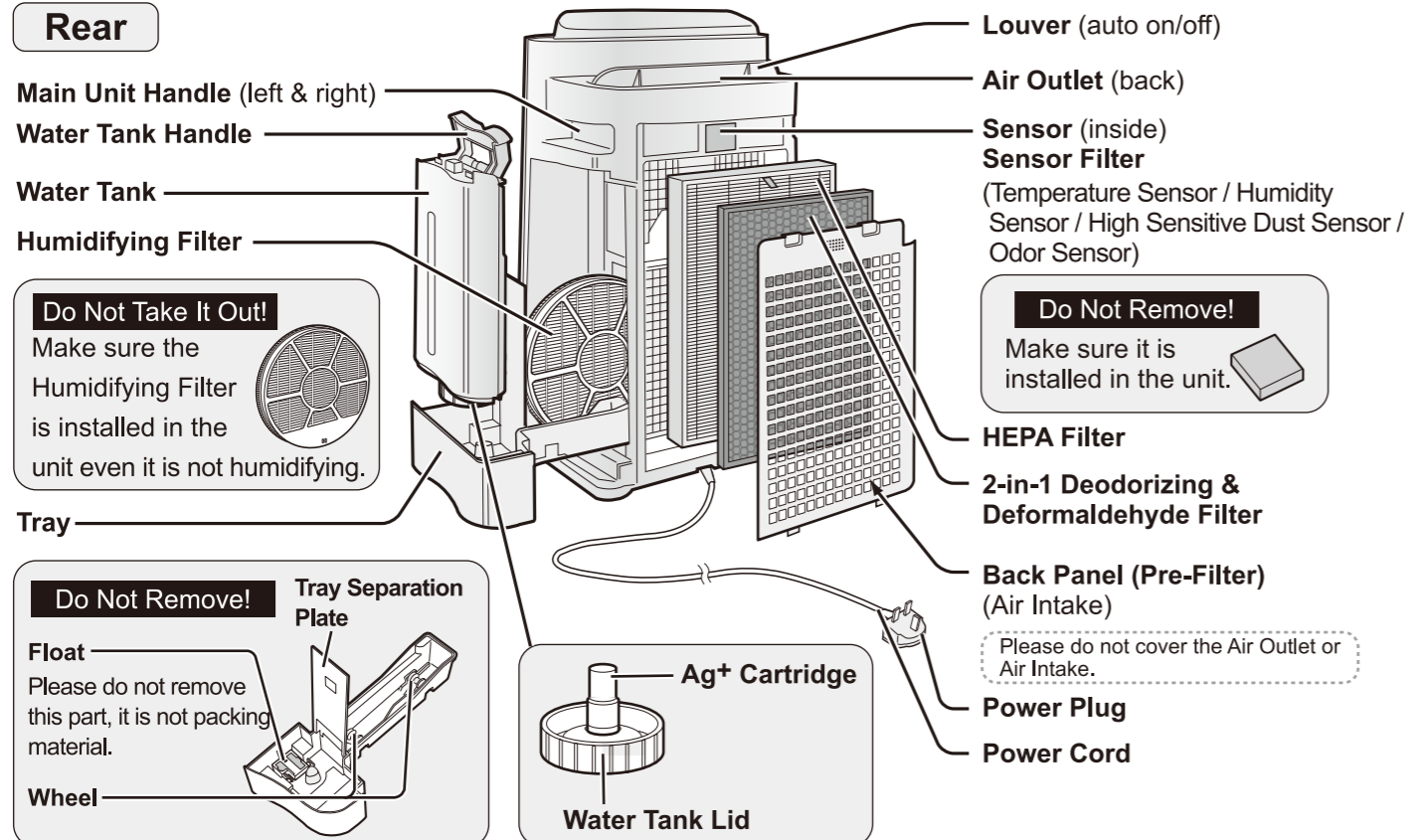


When fixing the unit,
please move the locks on both sides backward.



- Please locate the unit on a level place.
- Please make sure the unit is firmly located.

Rear



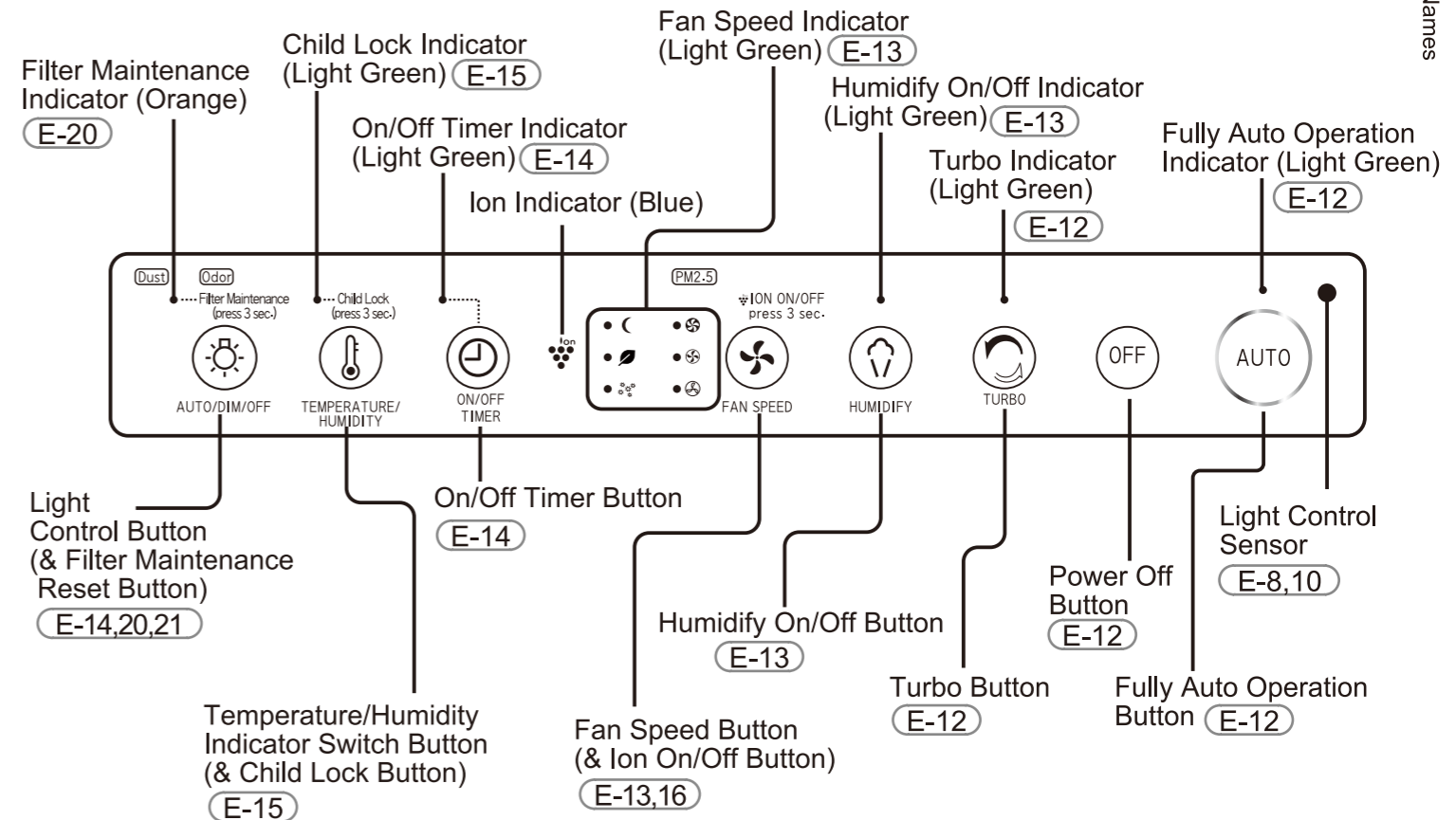
Do Not Take It Out!
Make sure the Humidifying Filter is installed in the unit even it is not humidifying.

Do Not Remove!
Make sure it is installed in the unit.

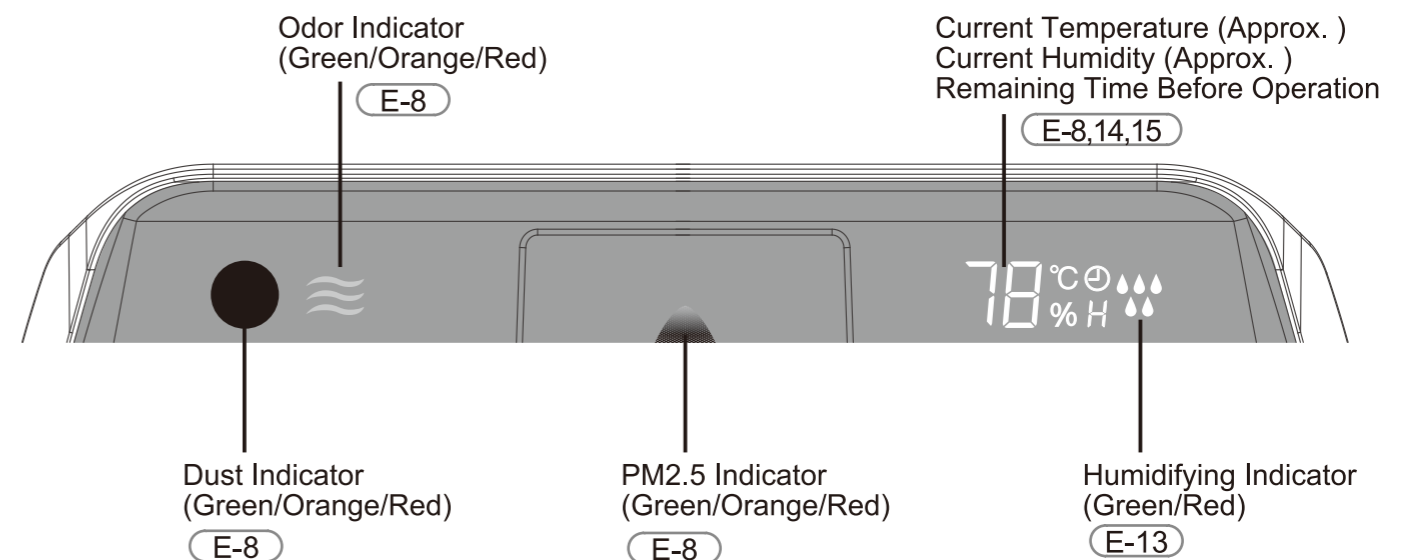
Do Not Remove! Tray Separation Plate
Float
Please do not remove this part, it is not packing material.
Wheel

Control Panel / Monitor

Control Panel



Monitor displays the room air pollution (e.g. dust, PM2.5 or odor etc.) level and the approximate temperature and humidity



Parts Names

Sensor & Indicator

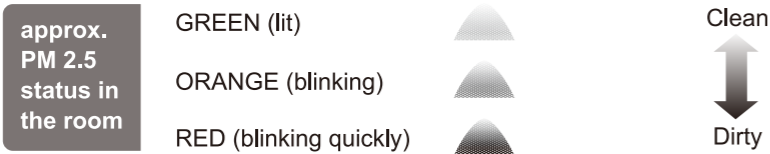
The unit equipped with five sensors. The following substances can be sensed.

High Sensitive Dust Sensor	Dust (dirt, feces or dead bodies of mites, spores of molds, pollen), Smoke of cigarettes, PM 2.5 (small particles less than 2.5µm) monitors small particles around 2.5µm and big particles like pollen
Odor Sensor	odor of cigarettes or lit incenses, cosmetics, alcohol and sprayer
Temperature Sensor / Humidity Sensor	room temperature and humidity
Light Control Sensor	brightness of the room

The Indicator displays the pollution status, odor, temperature and humidity monitored by the sensors.

PM 2.5 Indicator

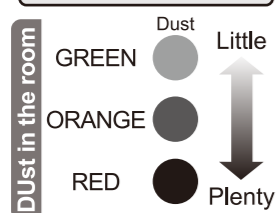
Through High Sensitive Dust Sensor, it analyzes the air pollution (big and small particle dust) level and displays the result by five different colors and the blinking speed on the Indicator.



It indicates the approximate amount of dust by the change of color on the Dust Indicator.

It indicates the odor level by the change of color on the Odor Indicator.

Dust Indicator

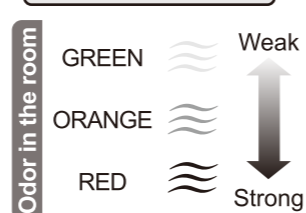


★ the following substances also contains PM 2.5

- smoke of cigarettes or lit incenses
- cooking fumes
- exhausts from vehicles
- smoke of burning goods

※ It may cost some time before lighting up.

Odor Indicator



Current Temperature/Humidity Indicator(Approx.)

It indicates the approximate current temperature and humidity in the room through the Temperature Sensor and the Humidity Sensor accordingly.

Current Temperature (Approx.) Indicator displays the approximate reading of the current temperature (the reading will increase or decrease 1°C at a time from 0°C to 50°C.)

Lo °C 25 °C Hi °C
below -1°C above 51°C

• The temperature cannot be set according to your preference

Current Humidity (Approx.) Indicator displays the approximate reading of the current humidity (the reading will increase or decrease 1% at a time from 6% to 99%.)

6% 55% 99%

• The humidity cannot be set according to your preference.
• The unit has no dehumidifying function.

Before Operation

Filter Installation

Please do the following steps before plugging into the socket.

- 1 Remove the back panel and take out the filters.

 - Top Hasp (left & right)
 - Back Panel

• There are 2 filters in the unit.
- 2 Take out these 2 filters from plastic bags.

 - HEPA Filter
 - 2-in-1 Deodorizing & Deformaldehyde Filter

• Please do not wash the HEPA Filter and 2-in-1 Deodorizing & Deformaldehyde Filter, otherwise the filters will lose effect.
- 3

 - HEPA Filter (please put the labeling side outwards)
 - Label
 - 2-in-1 Deodorizing & Deformaldehyde Filter (no difference on both sides)

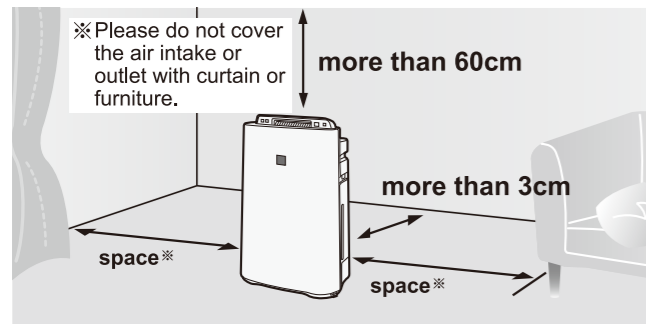
• Please put the labeled side outwards when installing the HEPA Filter (the thicker one). If installed in an opposite direction, there might be no effective purifying result.
• There is no difference between both sides of the 2-in-1 Deodorizing & Deformaldehyde Filter.
- 4 Insert the Back Panel into the Bottom Hasp and secure it as shown below.

 - click
 - click
 - Bottom Hasp (left & right)

Before Operation

Location Requirement

Please locate the unit in the proper place.



※ The dust collection ability will not be affected even if the unit is located within 3cm from the wall; however, the wall and the ground may be dirtied, therefore, please keep the unit as far as possible.

- Please operate the unit at room temperature from 0°C to 35°C. Otherwise dew or frost may influence the life time of the filter or break the unit down.
- Please avoid direct sunlight.
- Please avoid operating the unit near the outlet of air-conditioners, heaters or windows. Otherwise, it may lead to change of shape, quality and/or color and mishandling of sensor.
- Please put the unit in flat and stable places. Otherwise the unit may fall and leads to injury.
- Please keep the unit away from walls, curtains and furnitures.
- Please keep the floor or wall near the unit clean. Please move the unit and clean the the floor regularly.
- Please keep the unit away from the TV sets, radios or wave watches as the unit may interfere the reception.

Caution

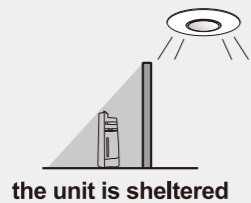
● Please DO NOT use silicone cosmetics near the unit.

* Hair products such as Mousse, hair-care liquid, make-up, antiperspirant, static electricity protectant, anti-water sprayer, brightener, window cleanser, chemical wiper and wax, etc.

Light Control Sensor

When the Light Control Button is set at AUTO mode, and the unit is operating at Fully Auto Operation mode or Sleep mode, the Light Control Sensor will adjust the luminance display according to the room condition automatically.

If the unit is placed like the picture below, it may malfunction as the Light Control Sensor cannot monitor the correct situation.



It occurs that the Light Control Sensor does not display in accordance with the room condition when the unit is located in different places. In this occasion, please relocate the unit.

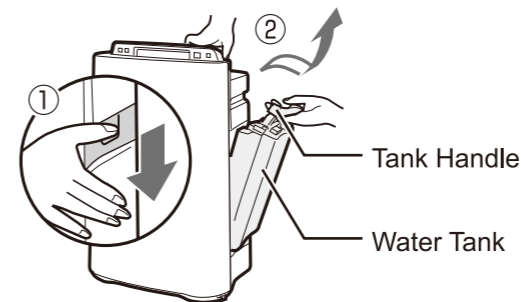
Or you may also adjust the sensitivity of the sensor.

(E-17)

Fill the Water Tank

Please fill tap water in the Water Tank before humidifying and purifying.

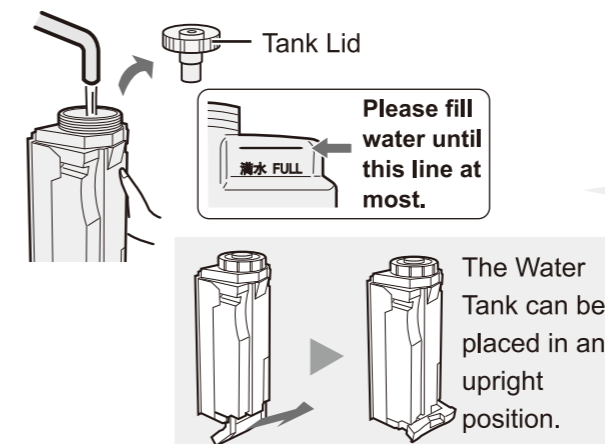
1



To remove the Water Tank, please push down the Handle and pull outwards.

- Be careful, do not let the water spill over.

2



Remove the Tank Lid and fill in tap water.

- There might be little water remained in the Water Tank, please empty it before refilling water, then fill in little water and wash the Tank.
- Please DO NOT shake the Water Tank by holding the Tank Handle.

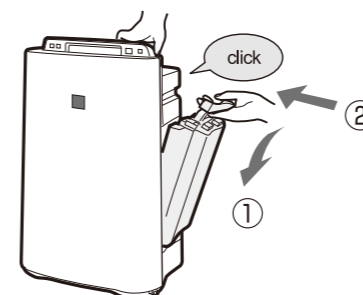
3



Tighten the Tank Lid.

- Please tighten the Tank Lid and make sure there is no leak of water.

4



Reinstall the Water Tank in the unit.

- Please wipe off the water near the Water Tank.
- Be careful, avoid any accidents.
- Please DO NOT move the unit and make sure that the Tank Lid is installed firmly.

Caution

- Please use tap water only. (Otherwise it may cause breed of bacteria.)
- Please DO NOT use hot water ($\geq 40^{\circ}\text{C}$), sesame oil, chemicals, sewage, abstergent or aromatic etc. (Otherwise, it may cause odor, crack or leakage.)

Operation

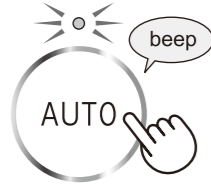
Plug into the socket.



Fully Auto Operation Mode

In general, the following operation is recommended. (The humidity cannot be adjusted according to your preference.)

Operation



- The Louver will be activated automatically and the unit will operate at Fan Speed AUTO and Humidifying Mode.
- When you want to turn off the Humidifying Mode, please refer to **E-13**.
- When you want to change the Fan Speed, please refer to **E-13**.

Stop



Turbo Mode

When the indoor air suddenly turns dirty

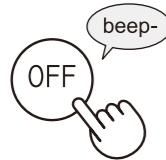
Operation



60 mins later
back to former mode

- Get rid of the dust in the room quickly
- Solution to virus and/or pollen when you go back to home
- When or after operating the vacuum cleaner
- Laundry are taken in
- Remove odor as soon as possible
- Solution to the odor after cooking or cleaning

Stop



- During the first 10 minutes, the unit will release Plasmacluster Ion at the highest fan speed, collect dust and control static electricity; in this period, the unit will not humidify. In the following 50 minutes, the High Sensitive Dust Sensor will operate at HIGH mode, monitoring the pollution quickly. Then the unit will clean and humidify the air automatically. (Fan Speed will be a little bit stronger than Fully Auto Operation Mode.)
- The Louver will be activated automatically.
- If this mode is set during operation, it will return to the former operation mode after 60 minutes.

Caution

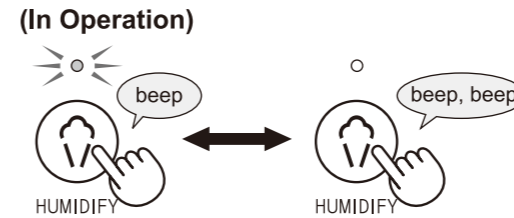
- Plasmacluster Ion will be automatically turned ON, during which ION OFF cannot be set.
- When the unit is operating at Turbo Mode, if you press the Turbo button again, the unit will beep twice and then return to the former operation mode.
- When the unit is operated at Humidifying Mode, once the Water Tank is empty, the Humidifying Indicator will blink in red. Operation continues but with no humidifying.
- Once it reaches the proper humidity, the Humidifying Indicator turns off.

Humidify ON/OFF

When Humidifying is in operation, it will humidify the room to a proper humidity.

- You can choose to turn on or off the Humidifying Mode by pressing this button when the unit is in operation.
- You cannot choose your favourite humidity.

Set



Room Temperature	Humidity
~18°C	65%
18°C~24°C	60%
24°C~	55%

Humidifying Indicator Light	
Off	Not Humidifying
Green	Humidifying
Blinking in Red	Fill Water

Caution

- If the Water Tank is empty, the Humidifying Indicator Light will blink in red. Operation continues with no humidifying.
- If Fan Speed is set at Sleep Mode [C], Energy Saving Mode [E] or Pollen Mode [P] when the unit is operated at Fully Auto Operation Mode, or Turbo Mode is in operation, the unit will automatically adjust the humidification amount to the best humidifying status, in the meantime, the unit will clean and purify the room quickly. When Fan Speed is set at Sleep Mode [C], the humidification amount will be controlled in the range of 60% to 65% according to the room temperature.
- According to different room size and condition, the humidification effect may not be that perfect or the humidification amount may be excessive.
 - If it cannot reach the proper humidity.....please set Fan Speed at HIGH [H] or MEDIUM [M].
 - If the humidity is excessive.....please turn off the Humidifying Mode.
- Once it reaches the proper humidity, the Humidifying Indicator Light will turn off.

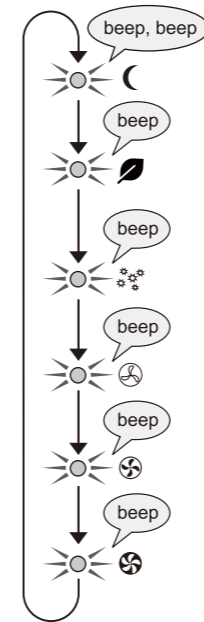
Fan Speed

Set



Choose your favourite fan speed.

- When the unit is set at Turbo Mode, Fan Speed cannot be adjusted.



- Sleep
- Energy Saving
- Pollen
- Low
- Medium
- High

When you are going to bed, or when you want to turn down the Indicator and have the unit automatically operate in a quite way, you can try FULLY AUTO OPERATION Mode.

(If Humidifying Mode is set at ON, the humidification amount will be controlled in the range of 60% to 65% according to the room temperature.)
If Light Control is set at AUTO Mode, all Indicator Light will be off when it turns dark in the room.

It adjusts the fan speed automatically through monitoring the room condition by Dust Sensor, Odor Sensor and Temperature & Humidity Sensor, in order to control power consumption and operate quietly.

When there is too much pollen or dust, High Sensitive Dust Sensor will set at HIGH sensitivity automatically and clean and purify the room through monitoring the room condition. (Fan Speed may be a little bit stronger than FULLY AUTO OPERATION Mode.)

Operating at LOW Fan Speed.

Operating at MEDIUM Fan Speed.

Operating at HIGH Fan Speed. (Operation sound will increase.)

Operation

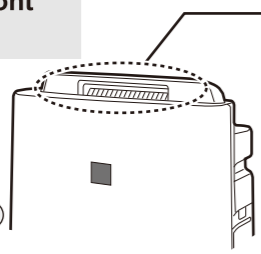
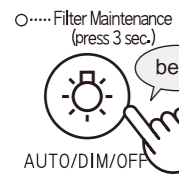
Function

Light Control: Auto/Dim/Off

When you feel the Front Monitor is dazzling

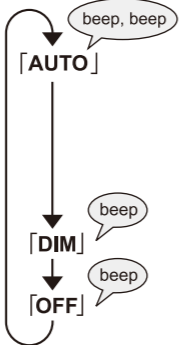
Set

(In Operation)



Monitor

- Each press will change the modes as follows.



It adjusts the luminance of the monitor automatically according to the status detected by the Light Control Sensor.

- When it is bright in the room—displays in bright (In Sleep Mode, the display will be dim)
- When it is dark in the room—displays in dim (In Sleep Mode, the Monitor will be off)

It displays in a dim way.

The Monitor goes off.

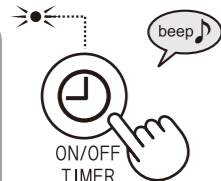
Caution

- Even the Monitor Light is set at OFF, the Humidifying Indicator Light will blink in a dim way if the Water Tank is empty.
- Even the Monitor Light is set at OFF, the Monitor Light will operate at Dim if the unit is restarted.

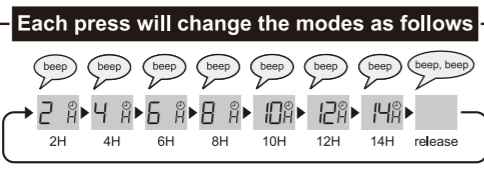
ON/OFF Timer

Once set, the unit will automatically operate or stop as scheduled.

ON



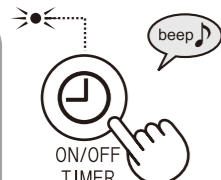
Choose your favourite time.



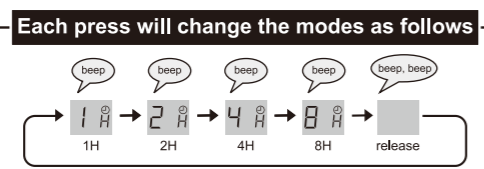
Each press will change the modes as follows

- Press button when the unit is not in operation to activate ON Timer Mode.
- You can set the time to start the operation in the range of 14 hours.
- The initial operation of ON Timer Mode is Fan Speed set at AUTO, PCI at ON. From the 2nd time, the operation mode will stay the same as the former one.
- When ON Timer Mode is set, the ON/OFF Timer Indicator Light will be lighted on, and the reading on the Front Monitor displays the remaining hours before the unit starts operation. It decreases on a basis of 1 hour (i.e. 14 → 13 → 12 ...).

OFF



Choose your favourite time.



Each press will change the modes as follows

- Press button when the unit is in operation to activate OFF Timer Mode.
- You can set the time to stop the operation in the range of 8 hours.
- Choose your favourite time within 3 seconds. A beep sound can be heard after finishing the setting.
- When OFF Timer Mode is set, the ON/OFF Timer Indicator Light will be lighted on. Press button to display the remaining hours before the unit stops operation. It decreases on a basis of 1 hour (i.e. 8 → 7 → 6 ...).
- Press button to release the timing mode.

Caution

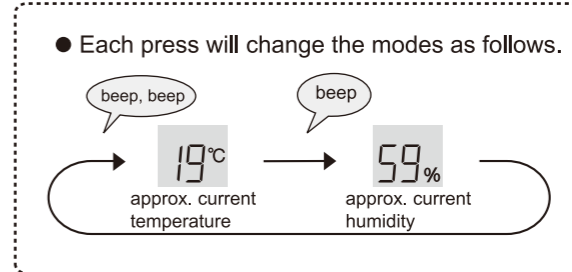
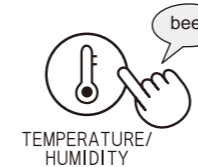
- ON Timer and OFF Timer cannot be reserved together.
- Once there is a power failure, the operation and setting of ON Timer and OFF Timer mode will be cancelled. Please reset the Timer after power resumption.

Temperature/Humidity Indicator

When you want to see the approximate current temperature or humidity

Display

(In Operation)



- Each press will change the modes as follows.

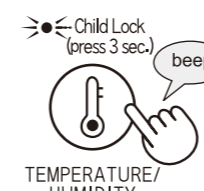
- The reading of the current temperature and humidity is only the approximate figure for your reference, it may be different from the reading from other thermometer or hygrometer.

Child Lock

When you want to avoid mishandling or touching by children

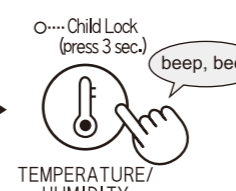
Set / Cancel

Set



press for 3 seconds at least.

Cancel



press for 3 seconds at least.

- Once the Child Lock is set, no button is functional except releasing the Child Lock.
- Once the power cord is taken off, the setting will be cancelled. However, if the unit is set at Auto Restart Mode, the Child Lock cannot be cancelled even unplugging the unit. (E-16)
- It can be set no matter the unit is in operation or not.

Function

Plasmacluster Ion ON/OFF

When you want to set Plasmacluster Ion ON or OFF

ON / OFF

(In Operation)

ON **press for 3 seconds at least.** **ION ON/OFF press 3 sec.**

OFF **press for 3 seconds at least.** **ION ON/OFF press 3 sec.**

Auto Restart

When you want the unit resume to work automatically once recovered from the power failure.

Set

(Unit is OFF)

press for 3 seconds at least.

When Indicator Lights of Fan Speed HIGH, MEDIUM, LOW get lighted up within 10 seconds, the setting is done.

- Even if the unit is unplugged or a power failure is occurred during operation, the unit will resume to its former operation mode after power recovery through setting.
- It is not a default mode.

Cancel

(Unit is OFF)

press for 3 seconds at least.

Adjustment of Sensor Detection Sensitivity

Confirm

(Unit is OFF) press for 3 seconds at least.

FAN SPEED

- Fan Speed Indicator shows the current Sensor detection sensitivity. (The default setting is Standard.)

shows the sensitivity of the Light Control Sensor shows the sensitivity of the High Sensitive Dust Sensor / Odor Sensor

Choose your favourite sensor detection sensitivity within 8 seconds.

Adjust

Light Control Sensor Each press of the button will change the modes as follows:

AUTO/DIM/OFF

When it is dark in the room while the Front Monitor displays in bright..... Please adjust to **LOW**.
When it is bright in the room while the Front Monitor displays in dim..... Please adjust to **HIGH**.

High Sensitive Dust Sensor / Odor Sensor Each press of the button will change the modes as follows:

FAN SPEED

When the indicator remains in **RED**..... Please adjust to **LOW**.
When the indicator remains in **GREEN**..... Please adjust to **HIGH**.

When it keeps displaying in **RED**, please clean and maintain the sensors. **(E-20)**

Done

- If there is no operation within 8 seconds, it will be regarded as finished.
- Even if power supply is interrupted, the setting of the sensor detection sensitivity will remain the same.

Care & Maintenance

Warning

Stop operating and unplug the unit when maintaining the unit.
Otherwise electric shock or injury may result.

Please do not use the following.
Otherwise it will cause damage or malfunction to the unit.

diluent volatile oil gasoline alcohol
oven cleanser detergent bleach
alkaline synthetic detergent (for furniture)
atomizing abluent mental brush

Filters

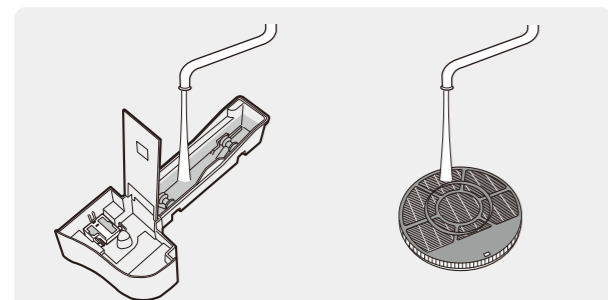
Since the air purifier is the machine which collects indoor dust and odor. Odor will stick on the filter surface if there is strong smell of aromatic, sesame oil, cigarettes or barbecue in the room; therefore, odor may occur in several weeks or months.
If there is a strong smell in the room, please exchange the indoor air frequently.
Compared to dust removal, deodorization takes more time.

Humidifying Filter

once a month

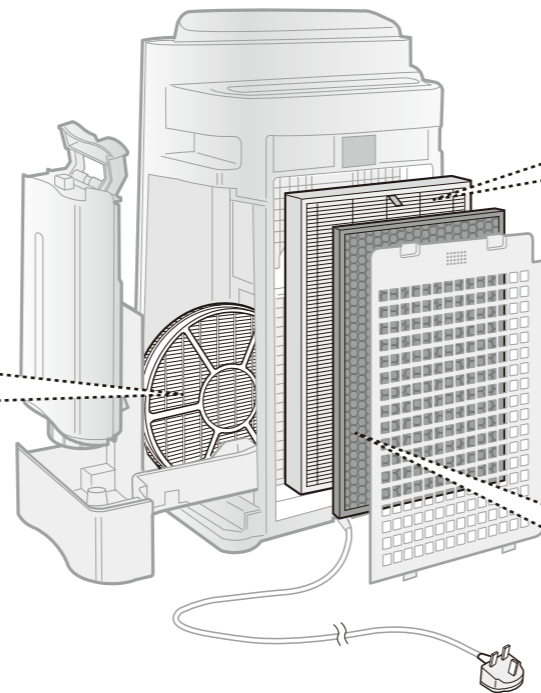
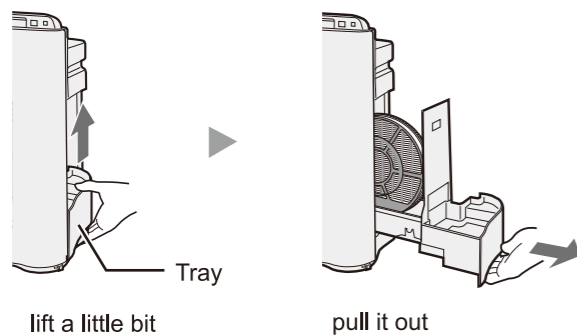
The Humidifying Filter absorbs water from the Tray, vaporizes it and humidifies the air coming through.

When mineral substances from the water are attached on the surface of the Humidifying Filter, they will absorb odor, and once the unit stops humidifying or the Humidifying Filter is dry, there may be odor coming out from the unit. (It will differ according to different water quality.)
Please clean and maintain the Humidifying Filter when the above situation occurs. **E-23**



Whether the Filter Maintenance Indicator is lighted on or not, it's better to clean and wash the Humidifying Filter and the Tray thoroughly so that mineral substances have less chance to attach on the surface of the Humidifying Filter and thus inhibits the generation of odor.

How to Remove the Tray



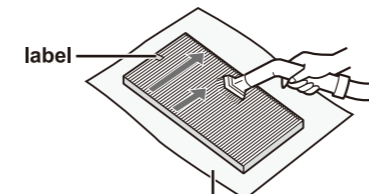
Please clean and maintain the HEPA Filter and 2-in-1 Deodorizing & Deformaldehyde Filter when there is odor blowing out from the air outlet and it is hard to get rid of it.

HEPA Filter

It catches PM 2.5 particles, pollen, allergen (feces or dead bodies of mites), mold, dust, dirt, smoke of cigarette, pet hair etc.

It happens that the color of the filter changes to grey or yellow since the filter is designed to collect dusts and dirt. Clean and maintain the filter regularly will extend the lifetime of the filter.

Gently inhale the labelling side.



Please cover the ground with newspapers when maintaining the filter, otherwise the surrounding may be polluted.



DO NOT wash with water, otherwise the filter will be damaged.

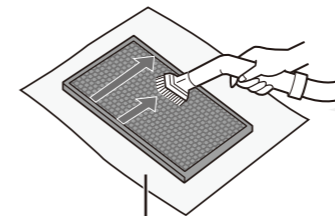
- Please only clean the labeling side. Avoid cleaning the other side.
- Remove the odor and dust on the surface of the filter.
- Since the filter can get damaged easily, please do not exert strong force when cleaning the filter.

2-in-1 Deodorizing & Deformaldehyde Filter

It absorbs and decomposes the smoke of cigarettes, odor in the washroom, odor of garbage and pet and formaldehyde etc.

When a large amount of odor is absorbed, odor may come out from the air outlet. Please clean and maintain the filter regularly to extend the lifetime of the filter.

Gently inhale.



Please cover the ground with newspapers when maintaining the filter, otherwise the surrounding may be polluted.



DO NOT wash with water and expose under the sunlight, otherwise the filter will be damaged.

- Both sides can be cleaned and maintained.
- Overexert will cause breakage to the filter, therefore please pay special attention when cleaning the filter.
- Remove the odor and dust on the filter.

Caution

- It CANNOT wipe out harmful gas (e.g. CO from cigarettes) and continuous odor .

Care & Maintenance

Warning

Stop operating and unplug the unit when maintaining the unit.
Otherwise electric shock or injury may result.

Filter Maintenance Indicator lights on

※ If Fan Speed is set at MEDIUM, it will light on after operating 720 hours. (According to different fan speed, the indication period will vary from 360 hours to 1080 hours.)

Parts for Maintenance

Please maintain the unit according to the following procedure.

Filter Maintenance (press 3 sec.)

AUTO/DIM/OFF

Before filling water to the Water Tank, please follow Step 3 to 7 to clean and maintain it first.

1 **unplug**

Unplug the unit.

2

Please use a vacuum cleaner for cleaning.

- Please wash the sensor filter when it is too dirty. (E-22)
- Please immerse the Back Panel into water when it is too dirty. (E-23)

Caution Please DO NOT exert strong force when maintaining the Back Panel, otherwise it may get damaged.

Before filling water in the Water Tank, please follow step 3 to step 7 and the last procedure (After Maintenance). When operating the unit without humidifying, please skip to the last procedure (After Maintenance) directly.

3

Take out the Water Tank, fill little water and shake the Water Tank to wash the tank inside.

- Please refer to the illustration on the following page when Water Tank is too dirty. (E-22)

To remove the Water Tank, please push down the Handle and pull outwards.

4

Take out the Tray.

lift up a little pull out

5

Clean and wash the Humidifying Filter.

- Please immerse and wash the Humidifying Filter into the water.
- Please DO NOT split the Humidifying Filter.
- When it is hard to remove the white substances or scale, please refer to the following. (E-23)

6

Clean and wash the Tray.

- Please empty the Tray regularly. (Otherwise it may allow breed of mold and bacteria, and then causes odor.)
- When it is hard to get rid of scale, please refer to the following. (E-23)

※ Please DO NOT separate the Tray Separation Plate, Float and Wheel, otherwise it may lead to leakage and breakdown.

7

After maintenance, please reinstall to the unit in a reversal procedure.

- There is difference between the two sides of the Humidifying Filter, please install correctly.
- The Tray Separation Plate is designed to be loose, so it is not flaw.

put the grey side towards the front of the unit

After Maintenance

light off

Filter Maintenance (press 3 sec.)

beep

AUTO/DIM/OFF

press for 3 seconds at least.

Insert the plug into the power socket to operate the unit. Keep pressing the Light Control Button / Filter Maintenance Button for 3 seconds at least, and then the Filter Maintenance Indicator will turn off.

- After maintenance, even the Filter Maintenance Indicator is not lighted on, please keep pressing the Light Control Button/Filter Maintenance Button for at least 3 seconds to reset the filter.

Care & Maintenance

Warning

Stop operating and unplug the unit when maintaining the unit.
Otherwise electric shock or injury may result.

Water Tank every time filling water



Fill little water and shake the Water Tank to wash the tank inside.

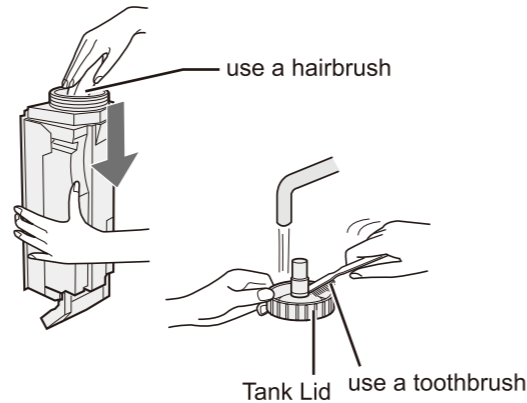
When it is too dirty, please wash with water. (see illustration on the right)

- Please hold the tank body instead of the tank handle when shaking the Water Tank.
- Please DO NOT put the Tank Lid downwards when shaking the Water Tank. Otherwise, it may lead to leakage.

When it is too dirty or smelly

Water Tank

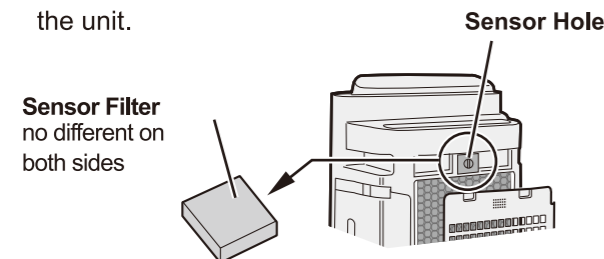
Remove the Tank Lid and wash with water.



- White pollutant may adhere to the rubber part of the Tank Lid, please clean and maintain it with a toothbrush.

Sensor when it is too dirty

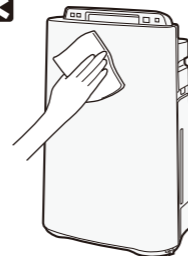
- 1 Remove the Back Panel.
- 2 Take out the Sensor Filter.
- 3 Use a vacuum cleaner to inhale and clean the inside part of the sensor as shown in the following picture.
- 4 Wash the Sensor Filter with water and dry it thoroughly.
- 5 Reinstall the Sensor Filter and Back Panel back to the unit.



Main Unit

Please wipe with a soft cloth.

DO NOT rinse with water.



- If the unit is too dirty, please wipe the unit with a cloth dampened with water or warm water ($\leq 40^{\circ}\text{C}$).
- Please keep the casters tidy and clean as well.

Humidifying Filter / Tray

Red, yellow or white substances may remain in the Tray or Humidifying Filter; please be noted that it is not flaw as they are minerals or iron from tap water.

Smudginess Status	Scale and Odor		White Substance
Preparation	Synthetic detergent powder (for kitchen)	Baking Soda	Citric acid available at drug store or supermarket
Application Amount	adequate with water or warm water ($\leq 40^{\circ}\text{C}$)	adequate with water or warm water ($\leq 40^{\circ}\text{C}$)	adequate with water or warm water ($\leq 40^{\circ}\text{C}$)
Cleaning Method	Immerse and wash		Humidifying Filter
Immerse Period	about 30 to 60 minutes	about 30 minutes	about 2 hours
After Immersing	Please clean the filter thoroughly and make sure no detergent, baking soda or citric acid is remained; otherwise, it may cause odor, deformation or change of color.		

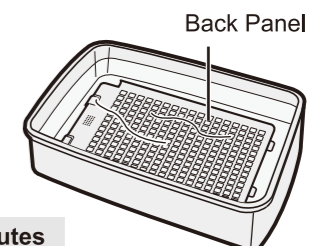
Caution

- Please do not use the detergent if it is foamy, smelly, alkaline or acidic, otherwise it may cause deformation, change of color or leakage.
- If the filter has not been cleaned thoroughly, it may cause odor, deformation or change of color.
- If you keep operating the unit without cleaning the scale or white substance, it may lead to leakage.
- Please do not separate the Tray Separation Plate, Float and Wheel. Please refer to **E-26** if the above falls off.

Back Panel

- 1 Immerse the Back Panel into the water where baking soda is dissolved.
- 2 Please use a toothbrush to rinse it thoroughly and make sure that there is no detergent remained on the Back Panel.
- 3 Dry it in the shade.

Immerse period: about 30 minutes



Replacement

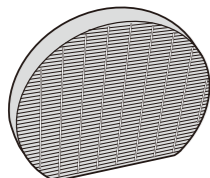
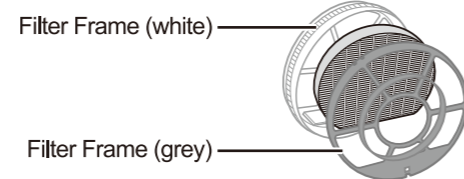
Humidifying Filter / Ag+ Cartridge / HEPA Filter / 2-in-1 Deodorizing & Deformaldehyde Filter

Humidifying Filter about every 5 years

MODEL: FZ-BB90ZK-HK

Filter Frame is not replacement component. Please do not discard.

Please follow the instruction of the operation manual when replacing the filter.



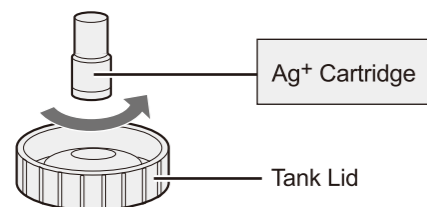
Different water quality may lead to different service life of Humidifying Filter. Please replace the filter if the following situation occurs within 5 years.

- The scale or odor cannot be removed even if the filter has been maintained.
- The color of the filter has changed to black or yellow, or the filter is polluted seriously.
- White substance covers the Humidifying Filter thoroughly.
- The filter is damaged or seriously deformed.

※ The estimated filter replacement cycle: suppose the unit is operated at Humidifying Mode for 8 hours per day, when the humidification ability decreased to 50% of its initial stage (refer to the specification of The Japan Electrical Manufacturer's Association JEM1426), it is time to replace the filter. Different service condition may lead to different lifetime of the filter, so please care and maintain the filter regularly.

Ag+ Cartridge about every 1 year

MODEL: FZ-GB01AG-HK



Tank Lid is not replacement component. Please do not discard.

Please follow the replacement method illustrated on the outer box or operation manual.

The unit can operate without the Ag+ Cartridge, however, the water may deteriorate and generate odor.

※ The estimated replacement cycle: suppose the approximate water consumption is 2.5L per day, when the total water consumption reaches 900L, it is time for replacement. Different water quality or service condition will lead to different replacement cycle.

HEPA Filter about every 10 years

MODEL: FZ-WF50EH-HK

MODEL: FZ-WF20EH-HK

Please follow the instruction of the operation manual when replacing the filter. (E-9)

The filter may be smelly within several weeks or months according to different operation condition, when the above situation occurs, please replace the filter.

※ The estimated filter replacement cycle: suppose the dust collection amount of the HEPA Filter is equivalent to 5 cigarettes per day, when the filter's dust collecting ability decreases to 50% of its initial stage, it is time for replacement. (The Japan Electrical Manufacturers' Association Standards JEM1467)

2-in-1 Deodorizing & Deformaldehyde Filter about every 10 years

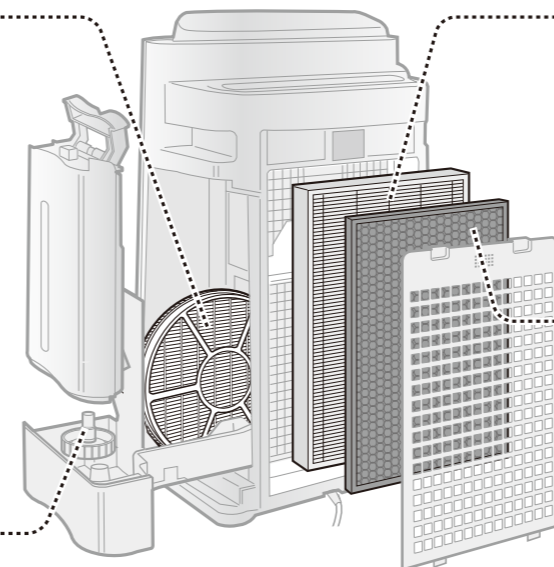
MODEL: FZ-WF50ED-HK

MODEL: FZ-WF20ED-HK

Please follow the instruction of the operation manual when replacing the filter. (E-9)

The filter may be smelly within several weeks or months according to different operation condition, when the above situation occurs, please replace the filter.

※ The estimated filter replacement cycle: suppose the odor collection amount of the 2-in-1 Deodorizing & Deformaldehyde Filter is equivalent to 5 cigarettes per day, when the filter's deodorizing ability decreases to 50% of its initial stage, it is time for replacement. (The Japan Electrical Manufacturers' Association Standards JEM1467)



Caution

- Please put paper under the filter when replacing the unit, otherwise the surrounding may be polluted.
- Please discard the used filters according to the garbage classification method in your area.

Humidifying Filter.....PET, rayon
 HEPA Filter.....polypropylene, polyethylene
 2-in-1 Deodorizing &
 Deformaldehyde Filter.....polypropylene, polyethylene,
 active carbon
 Ag+ Cartridge.....nylon, polypropylene

- Filter is consumable; you have to pay for the replacement filter even if the filter is under warranty.

Troubleshooting

Before calling for service, please review the chart below.



Problems	Please check	Please refer to
Tray Separation Plate, Float and/or Wheel drop(s).	<ul style="list-style-type: none"> Please install the Tray Separation Plate, Float and Wheel according to the following steps. 	—
	<p>Tray Separation Plate Insert the Tray Separation Plate as follows.</p> <p>Float DO NOT disassemble.</p> <p>Wheel</p> <p>Please hook the Wheel crosswise on the Ledge of the Tray as shown below.</p>	—
Fail to pull the Tray out.	<ul style="list-style-type: none"> Please lift the Tray a little bit before pulling it out. <p>lift a little → pull out</p>	—

Tray Separation Plate, Float & Wheel

Tray

Problems	Please check	Please refer to																					
It is hard to remove odor and/or smoke.	<ul style="list-style-type: none"> Is the filter packed in the plastic bags? ⇒ Please take out the filter from the plastic bag. Does the air from the air outlet become weaker? ⇒ Please clean the dust at the following locations which is marked with ★. <table border="1"> <thead> <tr> <th colspan="7">Maintenance</th> </tr> <tr> <th>Back Panel</th> <th>Sensor</th> <th>Water Tank</th> <th>Tray</th> <th>Humidifying Filter</th> <th>2-in-1 Deodorizing & Deformaldehyde Filter</th> <th>HEPA Filter</th> </tr> </thead> <tbody> <tr> <td>★</td> <td>★</td> <td></td> <td></td> <td>★</td> <td>★</td> <td>★</td> </tr> </tbody> </table>	Maintenance							Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	2-in-1 Deodorizing & Deformaldehyde Filter	HEPA Filter	★	★			★	★	★	E-9 E-18-E-23
	Maintenance																						
Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	2-in-1 Deodorizing & Deformaldehyde Filter	HEPA Filter																	
★	★			★	★	★																	
The discharged air is smelly.	<ul style="list-style-type: none"> Is the Tray not empty for a long time? ⇒ Please care and maintain the Tray and Humidifying Filter. Is the unit operated in a room with a strong smell? e.g. If there is a strong smell of cigarette or barbecue in the room, or bacteria generated in the Tray or Water Tank, the filter may be smelly within several weeks or months; at this time, please replace the filter. ⇒ We advice you to ventilate the room regularly when the unit is on. Please check the ★ part as below and maintain the places where odor occurs. <table border="1"> <thead> <tr> <th colspan="7">Maintenance</th> </tr> <tr> <th>Back Panel</th> <th>Sensor</th> <th>Water Tank</th> <th>Tray</th> <th>Humidifying Filter</th> <th>2-in-1 Deodorizing & Deformaldehyde Filter</th> <th>HEPA Filter</th> </tr> </thead> <tbody> <tr> <td></td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> <td>★</td> </tr> </tbody> </table>	Maintenance							Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	2-in-1 Deodorizing & Deformaldehyde Filter	HEPA Filter		★	★	★	★	★	★	E-18,21 E-23 E-18-E-25 E-18-E-23
	Maintenance																						
Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	2-in-1 Deodorizing & Deformaldehyde Filter	HEPA Filter																	
	★	★	★	★	★	★																	
A sound of "pip, pip" comes out from the unit.	<ul style="list-style-type: none"> The unit will generate small doses of ozone when Plasmacluster Ion is on, therefore sometimes it might be smelly in the Air Outlet; however, it will not be harmful to your health. 	—																					
A clicking or ticking sound comes out from the unit.	<ul style="list-style-type: none"> It is the sound of bubbles when they come from the Water Tank to the Tray. According to different humidification amount, the frequency of the sound will be different. It is not a breakdown. 	—																					
	<ul style="list-style-type: none"> It is the sound from the generation of Plasmacluster Ions instead of a breakdown. According to different operation condition and operation mode, the sound volume may be different but the effect will stay the same. 	E-16																					
The readings of "Current Humidity" and "Current Temperature" is different from other thermometers or hygrometers.	<ul style="list-style-type: none"> Even in the same room, the humidity and temperature may be different because of different locations. The readings that monitored by the Humidity and Temperature Sensor may be different from that of other thermometers or hygrometers, therefore their precision and reaction speed are different. (The reading of humidity and temperature is only for your reference.) How to display the readings? ⇒ Press Temperature / Humidity Switch Button to display the readings. 	— — E-15																					

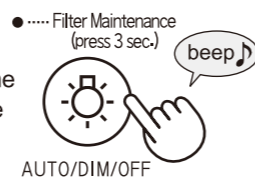
Odor

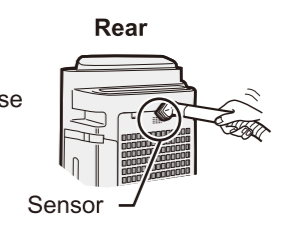
Sound

Humidity/ Temperature Display

Troubleshooting

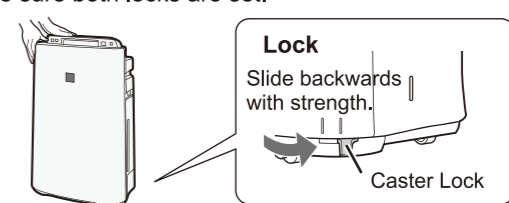
Troubleshooting (continue)

	Problems	Please check	Please refer to																					
Front Monitor	The Monitor Light turns to dim or turns off.	<ul style="list-style-type: none"> When setting Light Control at AUTO mode, it adjusts the luminance of the monitor automatically according to the status detected by the Light Control Sensor. And it switches between Bright and Dim automatically according to the room condition. (If the unit is operated at Sleep mode, it switches between Off and Dim.) 	E-10,14																					
	The Monitor Light changes frequently.	<ul style="list-style-type: none"> If there is shadow of substances or people, the Light Control Sensor will change accordingly. Please adjust the sensitivity of the sensors. <ul style="list-style-type: none"> ⇒ Stop operation before adjusting the sensitivity. 	E-10 E-17																					
	The Monitor Light does not change according to the room luminance.	<ul style="list-style-type: none"> When the unit is located in the shadow, the unit operates in the wrong luminance since the Light Control Sensor cannot detect correctly. <ul style="list-style-type: none"> ⇒ Please relocate the unit. It happens that the detection sensitivity is different from the room condition. <ul style="list-style-type: none"> ⇒ Stop operation and adjust the detection sensitivity of the unit. 	E-10 E-17																					
Indicator Light	Filter Maintenance Indicator is on.	<ul style="list-style-type: none"> Please care and maintain the following locations which is marked with ★. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="7">Maintenance</th> </tr> <tr> <th>Back Panel</th> <th>Sensor</th> <th>Water Tank</th> <th>Tray</th> <th>Humidifying Filter</th> <th>2-in-1 Deodorizing & Deformaldehyde Filter</th> <th>HEPA Filter</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">★</td> <td style="text-align: center;">★</td> <td style="text-align: center;">★</td> <td style="text-align: center;">★</td> <td style="text-align: center;">★</td> <td style="text-align: center;">★</td> <td style="text-align: center;">★</td> </tr> </tbody> </table>	Maintenance							Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	2-in-1 Deodorizing & Deformaldehyde Filter	HEPA Filter	★	★	★	★	★	★	★	E-18-E-23
	Maintenance																							
	Back Panel	Sensor	Water Tank	Tray	Humidifying Filter	2-in-1 Deodorizing & Deformaldehyde Filter	HEPA Filter																	
	★	★	★	★	★	★	★																	
	Filter Maintenance Indicator does not turn off.	<ul style="list-style-type: none"> Have you press the Light Control Button (& Filter Maintenance Button) for more than 3 seconds? <ul style="list-style-type: none"> ⇒ After maintenance, please keep pressing the Light Control Button (& Filter Maintenance Button) for at least 3 seconds to reset. (Filter Maintenance Indicator will turn off.) 	E-21																					
There is water in the Water Tank, but the Humidifying Indicator does not light on or blink in red.	<ul style="list-style-type: none"> Does the Float get stuck at any places? <ul style="list-style-type: none"> ⇒ Please maintain the Tray, clean the Float and reinstall it back firmly. Are the Water Tank and Tray installed firmly? <ul style="list-style-type: none"> ⇒ Please install the Water Tank and Tray to the unit firmly. The float may be influenced by any magnetic substances (e.g. a horn or a microwave oven). Therefore, it may not provide correct water supply information. If the unit is set at Fully Operation Mode, Fan Speed at "Sleep", "Energy Saving", "Pollen", or Turbo Mode, the unit will stop humidifying and the indicator light will turn off once it reaches the appropriate humidity. 	E-21,26 E-11,21 — E-12-E-13																						
Plasmacluster Ion Indicator does not light on.	<ul style="list-style-type: none"> Is the Plasmacluster Ion Button set at OFF? <ul style="list-style-type: none"> ⇒ Keep pressing Fan Speed Button (& Ion On/Off Button) for at least 3 seconds to set on the Plasmacluster Ion. 	E-16																						

	Problems	Please check	Please refer to
PM 2.5 Monitor / Dust Monitor	PM 2.5 Indicator does not turn green.	<ul style="list-style-type: none"> There is little PM 2.5 particle. (Indicator will change once detected odor or big particle.) It takes some time for the Indicator to change color as it requires certain density after lighting up the cigarettes or incenses. 	E-8 —
	PM 2.5 Indicator does not turn red.	<ul style="list-style-type: none"> During cooking, there is a strong smell of gas or food. <ul style="list-style-type: none"> ⇒ Please ventilate the room in the meantime since it is too smelly in the room. Due to the room's doors or windows are always open, the dirty air comes from the outside. It takes longer time to clean the air. <ul style="list-style-type: none"> ⇒ Please set Fan Speed at High or Medium, operation mode at Turbo. (It may take more time to clear PM 2.5 particles.) 	E-8 E-12,13
	The reading is different from the official weather forecast.	<ul style="list-style-type: none"> Different living condition (e.g. traffic flow or floor) and indoor or outdoor situation will lead to different density of PM 2.5. 	—
	Dust Indicator does not change.	<ul style="list-style-type: none"> The sensitivity of the sensor may be unstable and the light color may not change in a period. After operating for several minutes, the sensitivity of the sensor will turn to be stable. If the light stays green, the air in the room is fresh. If the color of the Dust Indicator changes when blowing smoke to the unit or pat towel near the unit, it is not a breakdown. If the indoor odor is very strong, sometimes the sensitivity of the Odor Sensor may come down. <ul style="list-style-type: none"> ⇒ Please set Fan Speed at MEDIUM for several hours or a whole day. Sometimes the sensitivity of the sensor may not conform to the room condition. <ul style="list-style-type: none"> ⇒ Please stop the operation and adjust the sensitivity. 	E-17 — E-13 E-17
	Dust Indicator does not turn back to green once turned red.	<ul style="list-style-type: none"> Dust may cover the sensor. <ul style="list-style-type: none"> ⇒ Please use a vacuum cleaner to clean the sensor, and if it does not work, please clean the sensor filter with water. 	E-20,22
	Dust Indicator cannot return to green.	<ul style="list-style-type: none"> When the doors or windows are always open, and the dirty air keeps coming from the outside. It takes longer time to clean the air (turn to green). 	—
	Dust Indicator or PM 2.5 Indicator nchanges quickly.	<ul style="list-style-type: none"> This may be influenced by the wind or huge change in temperature through opening or shutting the door. The sensitivity can be adjusted. <ul style="list-style-type: none"> ⇒ Stop the operation and set the sensitivity at LOW or STANDARD. 	— E-17

Troubleshooting (continue)

	Problems	Please check	Please refer to
Humidification	Water level in the Water Tank does not decrease or decreases slowly.	<ul style="list-style-type: none"> ● Is Humidifying Button set at OFF? ● Is the unit set at Fully Auto Operation Mode, Turbo Mode, or Fan Speed at Sleep, Energy Saving, Pollen Mode? <ul style="list-style-type: none"> ⇒ The unit will stop humidifying when the room humidity reaches at the appropriate level. ● Is Water Tank, Tray or Humidifying Filter installed correctly? ● Is there scale or dust on the Humidifying Filter? <ul style="list-style-type: none"> ⇒ Please care and maintain the filter. ● The humidity may change according to different humidity and temperature in the room. <ul style="list-style-type: none"> e.g. When it is wet (like in rainy days) or cold, the humidifying amount will decrease and the water level in the Water Tank will decrease slowly. When it is dry or hot, the humidifying amount will increase and the water level in the Water Tank will decrease quickly. 	E-13 E-12,13 E-11,21 E-18,21,23 —
	The humidity does not rise up.	<ul style="list-style-type: none"> ● Is there any water remain in the Water Tank? ● Is the room too big? <ul style="list-style-type: none"> ⇒ Please operate the unit within the recommended area. ● Is the unit located near the outlet of an air conditioner or a heater? <ul style="list-style-type: none"> ⇒ It may lead to malfunction of the Temperature Sensor and the Humidity Sensor. Please relocate the unit. ● Is there any scale or dirt on the Humidifying Filter or Tray? <ul style="list-style-type: none"> ⇒ Please clean and maintain the filter or tray. ● Does the monitor display the reading of humidity? <ul style="list-style-type: none"> ⇒ Please press Temperature/Humidity Button to return to humidity display. 	E-11 E-32,33 E-10 E-18,21,23 E-15
Control Panel	No reaction by pressing any button on the Control Panel.	<ul style="list-style-type: none"> ● Does the unit set on Child Lock? <ul style="list-style-type: none"> ⇒ Press the Temperature/Humidity Button for at least 3 seconds to release it. 	E-15

	Problems	Please check	Please refer to
Fall Over	When the unit falls over (Humidifying mode is on or there is water in the Water Tank)	<ul style="list-style-type: none"> ● If the unit falls over when Humidifying mode is on or there is water in the Water Tank, please turn off the unit and unplug it immediately, contact your dealer or SHARP Service Center. 	—
Error	Monitor displays E2	<ul style="list-style-type: none"> ● Does the Humidifying Filter, Tray or Wheel install firmly? <ul style="list-style-type: none"> Please install them again and restart the unit. 	E-6,18 E-21,26
	Monitor displays E1 E4	<ul style="list-style-type: none"> ● Unplug the unit, wait for one minute then inserting the plug again; then restart the unit. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> If the ERROR information shows up again, please contact your dealer or SHARP Service Center. </div>	—
Others	When you want to lock the caster.	<ul style="list-style-type: none"> ● Please slide the Caster Lock on both sides of the unit backwards to fix the unit. Please make sure both locks are set. <div style="text-align: center; margin-top: 10px;">  </div>	E-6
	There are white substances attached on the Humidifying Filter and/or Tray or the water turns red or yellow.	<ul style="list-style-type: none"> ● It may be caused by the minerals or iron from the tap water; it is not breakdown. ⇒ Please empty the Tray and care and maintain the Humidifying Filter and/or Tray. 	E-18,21,23

Specifications

Model	KC-AF50					
Power Supply	220V / 50Hz					
Applicable Floor Area (m ²)	40					
Mode	Clean Air			Clean Air & Humidify		
Fan Speed	High	Medium	Low	High	Medium	Low
Air Flow Volume (m ³ /h)	330	220	140	300	220	90
Power Consumption (W)	51	15.5	4.5	34	17.5	6.3
Noise Level (dB/A)	54	41	23	53	41	21
Maximum Humidification Amount (ml/h)	600					
Continuous Humidifying Period (h)	Approx. 5.0					
Water Tank Capacity (L)	Approx. 3.0					
Dimensions (mm)	420(W)X637(H)X242(D)					
Weight (kg)	Approx. 8.6					
Length of Power Cord (m)	2					

Replacements

Category	Model
HEPA Filter	FZ-WF50EH-HK
2-in-1 Deodorizing & Deformaldehyde Filter	FZ-WF50ED-HK
Humidifying Filter	FZ-BB90ZK-HK
Ag ⁺ Cartridge	FZ-GB01AG-HK

Caution: Lifetime of HEPA Filter is about 10 years※;
 Lifetime of 2-in-1 Deodorizing & Deformaldehyde Filter is about 10 years.
 Lifetime of Humidifying Filter is about 5 years;
 Lifetime of Ag⁺ Cartridge is about 1 years.

※ Determination for lifetime of HEPA Filter

Filter life and replacement period are based on the condition of smoking 5 cigarettes per day, reducing the dust collection/ deodorization ability to half compared with that of new filters, according to specification of The Japan Electrical Manufacturer's Association JEM 1467, the replacement period is 10 years.

The replacement period differs depending on the operation hours and location of installation.

The filters & Ag⁺ Cartridge are consumables; therefore, you have to pay for the new one even it is still in warranty period.

For details, please contact SHARP Service Center.

Model	KC-AF20					
Power Supply	220V / 50Hz					
Applicable Floor Area (m ²)	26					
Mode	Clean Air			Clean Air & Humidify		
Fan Speed	High	Medium	Low	High	Medium	Low
Air Flow Volume (m ³ /h)	210	167	61	180	151	62
Power Consumption (W)	23	14.5	4.5	18.4	14.5	5.9
Noise Level (dB/A)	49	41	31	46	41	31
Maximum Humidification Amount (ml/h)	450					
Continuous Humidifying Period (h)	Approx. 5.6					
Water Tank Capacity (L)	Approx. 2.5					
Dimensions (mm)	399(W)X615(H)X230(D)					
Weight (kg)	Approx. 7.7					
Length of Power Cord (m)	2					

Replacements

Category	Model
HEPA Filter	FZ-WF20EH-HK
2-in-1 Deodorizing & Deformaldehyde Filter	FZ-WF20ED-HK
Humidifying Filter	FZ-BB90ZK-HK
Ag ⁺ Cartridge	FZ-GB01AG-HK

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