

Air purifier

SP-240A



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Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Safety Notice

There various kinds of safety symbol on this manual and product. Read this manual carefully to understand all symbols and follow below safety notices.

Warning

- This symbol indicates the possibility of death or serious injury.
- This appliance can be used by children aged from 8 years and above and pers ons with reduced physical, sensory ormental 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 hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.



This symbol indicates the possibility of injury or damage to property.



Prevent fire hard, electric shock and other accidents.

Power socket and power cord

- Prohibit Do not pull out the power socket during operation.
 - (Otherwise, it will cause fire hazard or electric shock) ■ Do no touch the power plug with wet hand.
 - (Otherwise, it will cause electric shock)
 - Do not use the appliances which exceed the rate value. Only the 220-240V~ ,50Hz power is allowed.
 - (Otherwise, it will cause electric shock)
 - Do not drag the power cord. (Otherwise, it will lead to fire hazard)
 - Do not damage power cord and socket.
 - Do not cut, refit, deform, drag and twist the power cord. Do not put heavy object on power cord or squeeze it. If it needs to repair power cord or socket, contact the purchasing shop. (Use the damaged power cord or socket may cause electric shock, short circuit and fire hazard)



- Please insert the plug into the power socket.
- Do not use damaged socket or loose power socket (Otherwise, it may cause electric shock, short circuit or fire hazard)
- Clean the power plug periodically
- Pull out the power plug and wipe it with dry cloth.
- If the product won't be used for a long time, please pull out the power plug. (If there is much dust on the plug, it may cause fire hazard)
- 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.



Stop operation immediately in case of abnormality and malfunction occurred

Example of abnormality and malfunction:

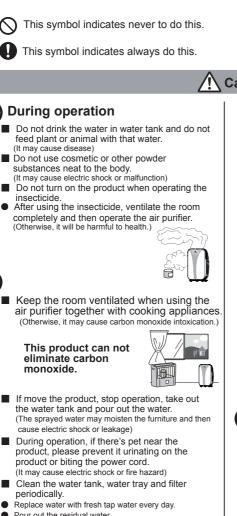
- After installing the panel and putting through the power, the product can't operate.
- The unit can't be energized at one time and de-energized at another time.
- There's sound or vibration during operation.

- Do not put the product at those places
 - Where discharging oil smog.
 - Where using oil or flammable gas, and there are leakage
 - Where there are corrosive gas and metal dust. (It may cause fire hazard)
 - Where is with high temperature or humidity, such as bathroom.
 - (It may cause electric shock or fire hazard)Where is unstable
 - (It may cause electric shock or other accidents)

Ouring operation

- Prohibit I Prohibit using chlorine and acid scouring agent. (Scouring agent can release toxic gas)
 - Prohibit putting the cigarette next to the product.
 - (Otherwise, it may cause fire hazard)
 Prohibit disassemble, refit or repair the product at will.
 (Otherwise, it may cause electric shock, injury and fire hazard)
 - Prohibit moisten air outlet and body. (It will cause fire hazard and electric shock)
 - 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.
 - The body is deformed and overheating.
 - There's burnt smell.
 (It may cause malfunction, electric shock, smog or fire hazard if the unit operates at abnormal condition)

The seriousness is classified by the following indications:



- Pour out the residual water
- Clean the main unit periodically (water tray, filter).

Body

- Prevent air inlet and air outlet are blocked by clothes, cloth or curtain. (It may cause fire hazard)
- Do not put other objects on body or incline the objects against the body. (It may cause injury)



<u> C</u>aution

When turning over the body, do not remove the filter.

(It may cause electric shock or malfunction)



Operation Requirement

- This product can't be used for saving documents and paper materials. (Otherwise, it may lower the quality of documents)
- Can't humidify excessively. (Otherwise, indoor room may be condensed or go moldy)
- Prevent freezing. (Pour out the water in water tank and water tray)
 When the air purified is not operated, pour
- out the water in water tank and water tray. (Prevent mold and odor)



- Before filling water, cleaning product or maintenance, the appliance must be disconnected from the supply mains or unplug the power supply.
- Don't touch the hole on the bottom of the unit (otherwise electric shock may be incurred)
- Don't use dryer to dry it.
- Don't dry it by fire otherwise deformation will be incurred.
- Don't use petrol,volatile oil,lacquer thinner,puttypowder or kerosene,(Otherwise electric shock,fire or damage of the parts may be incurred.)
- The unit can't be washed by water. (Otherwise,electric shock,fir or malfunction may be incurred.)
- Please wear rubber gloves when wiping and cleaning.
 Do not break the tungsten filament during disassembly and cleaning.

Product Introduction

Product Features

Sinclair humidified air purifier selectively adopted below filter and technology for purifying and humidifying, which can let you enjoy the fresh, natural, comfortable as well as clean living environment.

• Silver ion filter

Inhibit all kinds of disease germ, washable and durable.

• Filter sponge

It's with powerful catalytic capacity and can erase and decompose off-flavor quickly for preventing secondary pollution.

• HIMOP formaldehyde-killing technology

It can catalytic and decompose harmful substances through the unique absorption and decomposition function, especially for low concentration formaldehyde.

• HEPA high-efficiency dedusting technology It can filter 0.3micron floating particles for refreshing indoor air.

• Active carton absorptive technology

This kind of active carton can eliminate ammonia, acetic acid and other harmful gas in the air.

Plasma function

Release cluster iron to kill the natural bacteria in the air efficiently.

• **Negative iron function** This product can release negative iron to refresh the room.

• Electrostatic dedusting technology Eliminate the smoke quickly and high-efficiently.

• Evaporative humidifying method Create the suitable humidity environment for you

Sinclair has three kinds of humidified air purifier for your selection:

• SP-220A filter-type humidified air purifier

This kind of air purifier can eliminate the formaldehyde high-efficiently, which is suitable for the living places with new furniture and new fitment.

This air purifier has silver antiseptic filter, LTC catalyst filter, HIMOP formaldehyde-killing strainer, HEPA dedusting strainer, active carbon filter, plasma generator and evaporative humidifying function, which can eliminate harmful gas, aerosols as well as particles, and adjust indoor humidity for purifying, refreshing and humidifying air.

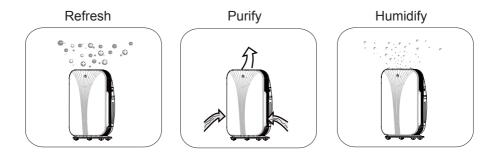
• SP-260A electrostatic humidi fied air purifier

This kind of air purifier can eliminate smoke high-efficiently for reducing the secondary pollution and protecting you and your family's health, which is suitable for the places with plenty of smoke, dust and pollen, such as smoking area, mahjong hall.

This air purifier has silver antiseptic filter, LTC catalyst filter, electromagnetic dedusting technology, active carbon filter, negative ion generator and evaporative humidifying function, which can eliminate harmful gas, aerosols as well as particles in the air, and adjust indoor humidity for purifying, refreshing and humidifying air.

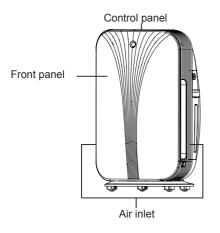
• SP-240A composite air purifier

This kind of air purifier combines the functions of SP-220A and SP-260A which can satisfy your various kinds of requirement.

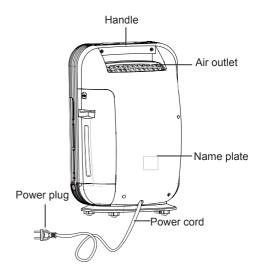


Parts Name

Front side

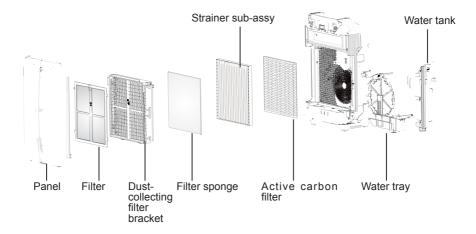


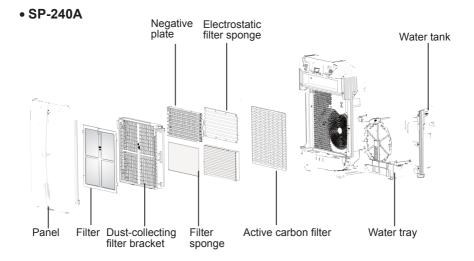
Rear side



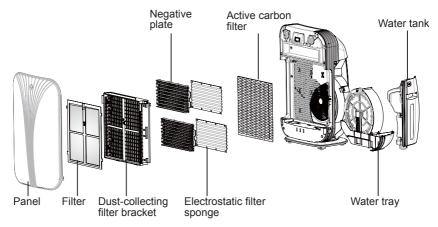
Parts' Name

• SP-220A





• SP-260A

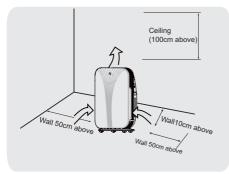


Preparation before Operation

1.Accessory

Accessory Model	Instruction manual	Remote controller	Filter sponge	Filter
SP-220A	one copy	one set	one set	one set
SP-240A	one copy	one set	one set	one set
SP-260A	one copy	one set	one set	/

2. Position of Air Purifier



- Although the product is placed according to above requirement, the wall will be also dirty.
 The product should be placed far away from the wall as soon as possible.
- If the product is operated at the same place for a long time, the around floor and wall may be dirty. You are suggested to clean them periodically.

Forbidden places for placing the air purifier Where the fan will blow at wall, furniture or curtains directly. (They may be dirty or deformed) With direct sunlight (Color may be changed) Near the window or outlet of air conditioner is pointing at the product directly (Room humidity can't be displayed normally or the product may be deformed) Hospital, factory, laboratory and other similar places. Near induction cooker, loudspeaker and other magnetic places. (The product can't be operated normally)

- Do not hold the handle of water tank to move the main unit.
- Do not hold the grille or air outlet to move the main unit.
- Do not move the main unit when there is water in water tank and water tray.



Good position setting for air purifier

- Please put the product at the place where the fan can be reached to every corner.
- Put the product at the stable place. Otherwise, it may increase the vibration of main unit.
- Put the product at 2m away from the TV and other appliances to prevent interfering them.

Warning

• The fan may blow out from the right side, which is the normal phenomenon.

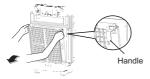


3.Installation for Filter of Dust Collector subassembly

1.Press clasps with hands and remove front panel.



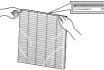
2.Draw handles of dust collector subassembly outwards to remove dust collector.



3.Each model has slightly different filter and filtering sponge. Please refer to the below for installation.

• SP-220A

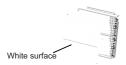
 Take out the strainer sub-assy from carbon box, tear up the sealing tape and write down the initial operation date on the label.



2).When the blue filter sponge on the strainer sub-assy is dirty, take a new blue filter sponge from white box to replace it.



3).Assemble filter into dust collector subassembly.



• SP-240A

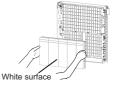
 Take out the strainer sub-assy from carbon box, tear up the sealing tape and write down the initial operation date on the label.



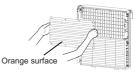
2).When the blue filter sponge on the strainer sub-assy is dirty, take a new blue filter sponge from white box to replace it.



3).Assemble filter into dust collector subassembly.

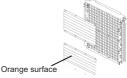


4).Remove filtering sponge from package and assemble it in the dust collector.

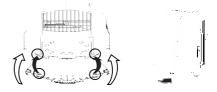


• SP-260A

1).Take out the filter sponge and the install it into the dust collector.



4 After assembling dust collector, assemble front panel. Please note that hangers on the unit shall be assembled firstly and the position is shown in the below picture.



Marning

Before filling water, cleaning product or maintenance, the appliance must be disconnected from the supply mains or unplug the power supply.

4. Preparation of Water Tank

The air cleaning function is available even without water in the tank.

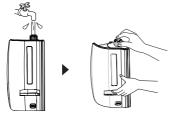
1. Take out water tank and remove the cap.



2.Fill water into water tank and screw cap up. Notice:

Don't use the below water

- Water exceeding 40°C or with aromatic solvent oil, chemicals, aromatics or abluent (which may cause deformation or malfunction);
- Water from water clarifier, basic ion water with basic ion, water with mineral substance or water from well (which may multiply mildew or bacteria);
- Fill water in a proper place;
- Fill a little of water into tank firstly and then shake it for cleaning. After that, fill clean water to tank.



Make sure that cap of water tank has been screwed up otherwise water will leak.

- Please hold the handle of water tank tightly when moving the water tank which has been filled with water.
- Don't touch the valve in the middle of cap otherwise water will leak.



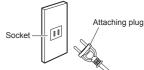
- 3.Install water tank
 - Hold the handle and insert water tray into water tank. Then install water tank in the unit.



Notice:

 When changing water, pour out water remaining in water tray, otherwise, fouling or odor will be produced.

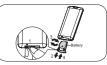
5. Insert attaching plug into the socket



 Sensitivity of odor sensor is determined within 2 minutes after plugging in. Therefore, insert attaching plug when there is no odor.

6. Prepare remote control

1.Prepare remote control Open the battery cover on the back of the remote control, place the battery in the circular tank, pay attention to positive and negative poles, plug back the remote control and then it can be used.





2.Use the remote control

- Please put the remote control pointing to the receiver window in operation.
- The remote control should be used in the effective range.
- Make sure there is no obstruction between the remote control and air cleaner, otherwise it will affect the signal transduction.

Display Function Introduction



Display of Nixie Tube

- (1) Ambient humidity is displayed during normal operation.
- (2)Time is displayed when setting timer.
- (3) Set humidity is displayed when setting humidity.
- (4) Sensitivity degree d1, d2 or d3 of dust is displayed when setting sensitivity of dust.
- (5) Sensitivity degree o1, o2 or o3 of odor is displayed when setting sensitivity of odor.

Example:



Sensitivity degree of dust

Sensitivity degree of odor

LED Lamp for Water Shortage

When LED lamp for water shortage blinks, there is water shortage for water tank. It reminds user of filling water.

Both conditions below must be met when LED lamp blinks:

Humidifying mode has been set;

(2) Set humidity is higher than ambient humidity.

LED Lamp for Child Lock

When child lock function is turned on, other buttons in the unit and remote control will be locked to prevent child wrongly operating the unit.

- (1) After pressing child lock button in remote control for 2 seconds, the LED lamp of child lock will be on and child lock function is activated. If any other button is pressed, LED lamp of child lock will blinks and buzzer will sound.
- (2) Press button of child lock for 2 seconds to release child lock.

Fan Speed Bar

It displays current fan speed. One column means silence; Three columns mean low fan speed; Five columns mean medium fan speed; Seven columns mean high speed.



Cleaning and Replacement

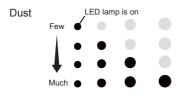
When LED lamp for cleaning or replacement is on, it reminds user of cleaning or replacing filter of the unit.

- (1) Cleaning When LED lamp for cleaning is on, it means unit has operated for continuous 480 hours. It reminds user of cleaning cleanable parts of the unit, such as filter. In standby mode, When pressing buttons Sleep+Timer, LED lamp for cleaning will be off and timing counter will recount time;
- (2) Replacement When LED lamp for replacement is on, it means the unit has operated for continuous 2000 hours. It reminds user of replacing filter so as to keep good performances on dust removal; In standby mode, When pressing buttons Sleep+ Timer, LED lamp for replacement is off and timing counter will recount time.

Display of Dust Degree and Odor Degree

The sensor built-in can sense quality of air and change of odor. Through qty of LED lamps, air quality and odor content can be known.

Odor



<LED lamp for Dust Sensor >

- In below conditions, the LED lamps will be on for the first second which are irrelevant to air quality.
 - ① Operation after installing front panel
- ② Operation after plugging attaching plug
 When dust sensor lags in response, please
- revise setting of sensitivity degree of sensor.

<LED lamp for Odor Sensor >

- In below conditions, the LED lamps will be on for the first second which are irrelevant to air quality.
 - ① Operation after installing front panel
 - ② Operation after plugging attaching plug.
- In first 2 minutes after turning on the unit, the odor sensor is pre-heating. In that case, odor sensor may not respond.
- Except alkaline air, the sensor may not respond to some odor, like odor of pet or garlic.
- Because people have different feelings about odor, someone may still feel there is odor when Green LED lamp is on. In that case, please manually switch fan speed to high speed.

% Setting for Sensitivity Degree of Dust Sensor

- (1) In standby mode;
- 2 Press SLEEP+ AUTO buttons simultaneously for over 1 seconds and then release them;
- ③ The unit enters adjustment mode for sensitivity degree of dust sensor. In that case, d1, d2 or d3 will be displayed. In initial setting, d1 will be displayed. Number 1, 2,3 means sensitivity degree. Number 1 means lowest sensitivity degree, number 2 means medium sensitivity degree and number 3 means highest sensitivity degree.
- ④ Press +/- button to adjust sensitivity degree.
- ⑤ Quit: if there is no operation for 3 seconds, the system will keep the current setting of sensitivity degree and quit the setting mode.

% Setting for Sensitivity Degree of Odor Sensor

- (1) In standby mode:
- Press FAN + HUMIDIFY buttons simultaneously for over 1 seconds and then release them;
- ③ The unit enters adjustment mode for sensitivity degree of odor sensor. In that case, o1, o2 or o3 will be displayed. In initial setting, o1 will be displayed. Number 1, 2,3 means sensitivity degree. Number 1 means lowest sensitivity degree, number 2 means medium sensitivity degree and number 3 means highest sensitivity degree.
- ④ Press +/- button to adjust sensitivity degree.
- ⑤ Quit: if there is no operation for 3 seconds, the system will keep the current setting of sensitivity degree and quit the setting mode.

Buttons Function Introduction



৬%

ON/OFF

For turning on or turning off the unit. Press this button once to turn on the unit and press it again to turn off the unit.

FAN

Adjust fan speed of the unit and the sequence of fan speed is: Silence \rightarrow Low \rightarrow Med. \rightarrow High



HUMIDIFY

Press this button to turn on humidify mode. LED lamp for humidify mode will be on. Press this button again to cancel humidify function and LED lamp for humidify will be off; In humidify mode, press button "+ "or "-" to adjust set humidity.

Note: only when the set humidity is 10% higher than ambient humidity, the unit can start humidification function.

🛆 💿 AUTO

Press auto button to enter auto mode. LED lamp for auto mode will be on and other functions will quit. Based on air quality sensed by sensor, the unit will automatically adjust function and fan speed of the unit. Press this button again to cancel auto mode and LED lamp will be off

SLEEP Ċ

Press this button to enter sleep mode. LED lamp for sleep will be on and other functions will guit. Based on air guality sensed by sensor, the unit will be automatically adjusted. Press this button again to cancel sleep mode and LED lamp for sleep mode will be off.

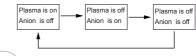
TIMER

When the unit is turned on, press timer button to activate timer off and the LED lamp for timer will be on. Press button + or - to set time for turning off the unit. When pressing timer button again, LED lamp for timer will be off and timer will be canceled. In standby status, press timer button to activate timer on and LED lamp for timer will be on. Press button + or - to set time for turning on the unit. When pressing timer button again. LED lamp for timer will be off and timer will be canceled.



PLASMA/ ANION

Press this button and plasma and anion will change as follows:





ELECTROSTATIC

FLECTROSTATIC

Press button of electrostatic dust removal to activate dust removal function and LED lamp for dust removal will be on. (This button is not available for model SP220A).



 \land 0

In humidify mode, it is used for setting humidity; in timer mode, it is used for setting timer.



Buttons for adjusting sensitivity degree of dust.

(Refer to page 11 for more details.)



Buttons for adjusting sensitivity degree of odor.

(Refer to page 11 for more details.)

Buttons for light

When the unit operates and child lock is off, press auto and timer buttons simultaneously for 2 seconds to turn on or turn off nixie tube and LED lamps on front panel.



Buttons for resetting time

When the unit is in standby mode and child lock is off, press sleep and timer buttons simultaneously to clear time of timing counter.

1. When accumulated time for cleaning and replacing Xter doesn't reach, they will be cleared after resetting time.

2. when one kind of accumulated time reaches, it will be cleared by resetting time. And the other one will keep accumulating time.

3. When both of them are reached, they will be cleared after resetting time. After clearing, LED lamps on front panel will be on for 2 seconds.

Remote Controller Function Introduction



ON/OFF

Press this button in standby status and then the unit will start operation. Press this button again and the unit will stop operation.

Auto

When the unit is operating and this button is pressed, the unit will automatically adjust negative ion, electrostatic dust removal device, switch of humidifying function and fan speed according to sensed air quality and ambient relative humidity.

Fan speed button will be invalid in this mode.

Speed

During operation, press this button and fan speed will switch according to the sequence below. LED lamp for fan speed will change accordingly.

Silence \rightarrow Low \rightarrow Med. \rightarrow High

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+/-
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When the unit operates at humidifying mode, press button "+" or" –" to adjust set humidity. When the unit is operating, in timer setting mode, press button "+" or "-" to adjust time for turning off the unit. When the unit is standby, in timer setting mode, press button"+" or "-"to adjust time for turning on the unit.

Humidify

When the unit is operating and this button is pressed, the unit will enter this mode. Press this button again to cancel this mode. Note: only when the set humidity is 10% higher than ambient humidity, the unit can start humidification function.

Timer

When the unit is energized, press this button to enter timer setting. Press + or - to adjust time of timer and set range is 0~24 hours. Press this button again to cancel the setting.

When the unit is operating, timer is set for turning off the unit. If the unit is turned off, timer is set for turning on the unit.

Sleep

When the unit is operating and this button is pressed, the unit will automatically adjust negative ion, electrostatic dust removal device and humidifying function based on sensed air quality and ambient relative humidity. Fan speed will switch between silence and low speed.

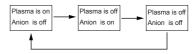
Fan speed button will be invalid in this mode.

Lock

When lock is off, press this button for over 2 seconds and relevant LED lamp will be on. The controller will be locked. When lock is on, press this button for over 2 seconds again to cancel lock.Lock is off as default once the unit is energized after power failure occurs.

Plasma / Anion

Press this button and plasma and anion will change as follows:



Electrostatic

When the unit is operating, press this button to turn on electrostatic mode. Press this button again to quit this mode. (This button is not available for model SP-220A.)



Before filling water, cleaning product or maintenance, the appliance must be disconnected from the supply mains or unplug the power supply.

During maintenance, refer to "Preparation before Operation "for disassembly and installation of each part.

Front panel	Filter	Filter subassembly	Activated carbon filter
When it is dirty	Once for every two weeks	The unit has operated for accumulated 2000 hours.	When it is dirty
Clean it	Remove dust and wash it with water.	Replace it	Cleaner It can't be washed with water.
 Clean the dirt with wet cloth. If it is very dirty, clean it with cloth which had been dipped in neutral detergent. Don't use hard brush (which may cause damage). 	 Use cleaner to remove dust and then remove filter to wash it. When it is very dirty, use soft brush or neutral detergent to wash it. Please dry it in air after complete cleaning. 	 Refer to page 19 for replacement method. Cleaner or water can't be used for cleaning (otherwise performance of filter may decrease). 	 Remove active carbon filter and use cleaner to remove dust. When there is odor, spray water on the surface and then dry it in air (for about 1 day). it can't be washed with water (otherwise, filter for removing odor will be deformed).

Requirement

- Wipe the detergent after cleaning.
 Don't use water which exceeds 50 °C .
- Don't dry it in the place where there is direct sunlight.

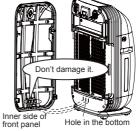
About Safety Switch

• When removing front panel, don't scratch the surface and damage the bulging of inner side, in which there is safety switch. When opening front panel, cut-off power supply. Once it is damaged, the unit can't operate any more.

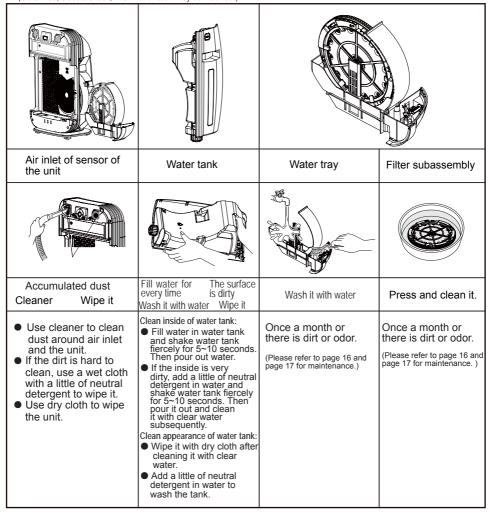
Warning /!\

Don't touch the hole on the bottom of the unit (otherwise electric shock may be incurred).

- Don't use dryer to dry it.
- Don't dry it by fire otherwise deformation will be incurred



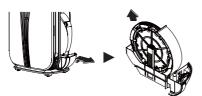
- Don't use petrol, volatile oil, lacquer thinner, putty-powder or kerosene. (Otherwise electric shock, fire or damage of the parts may be incurred.)
- The unit can't be washed by water. (Otherwise, electric shock, fir or malfunction may be incurred.)



Maintenance for Water Tray and Filter Sub-assy

1.Remove of water tray and filter sub-assy

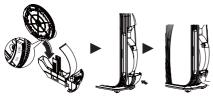
- (1) Remove water tray (See P9).
- (2) Pull out the water tray and remove the filter sub-assy.



- Hold the bottom concave of water tray and pull out.
 Slowly pull out the water tray as there's water in the tray.
- Hold up the bottom of water tray when moving it.

2.Assembly of water tray and filter subassy

- 1. Assembly of water tray
- Assemble filter sub-assy.
- ② Press it until a "crack" is heard.



Assemble the water tray and filter as the picture shows direction.

- Assemble the water tray and filter sub-assy as original sample. Incorrect assembly might cause operation failure.
- 2. Assembly of water tank. (See P9)

3.Water tray

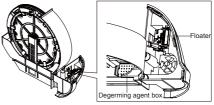
Maintenance standard	once a month or whenever there's peculiar smell or dirt
Maintenance method	water clean



 Wipe it with soft cloth or brush to get rid of the dirt.
 Wipe the scale with soft cloth or brush dipping with water or Citric acid warm water, then wash with water.

Requirement

- Do not remove the floater and degerming agent box.
- The unit cannot operate normally without the floater and the water will be with odour soon without the degerming agent box.



 For different water quality and environment, the water in water tray will be color changed because of the scale. Maintain the water tray as above stated.

4.Floater fall off from the water tray

Please assemble it as following picture.



Correct assemble: 1. Assemble the floater from the lower of bulge on water tray.

 Insert the shaft of floater into water tray hole.



Incorrect assemble: The floater hangs at the bulge of the floater.

5. Filter sub-assy

Maintenance standard	once a month or whenever there's peculiar smell or dirt
Maintenance method	press to clean

Press to clean it with water or warm water (around $40\,^\circ\!\mathrm{C}$)



- Wash the filter with moderate force to avoid deforming of the filter.
- Wipe with soft sponge.
- Never forcedly scrub with brush.
- Wash with clean water thoroughly to avoid accident or color changed.
- The water tray could be used in wet after maintenance.
- Dry out the water tray and assemble it when the unit will not be used for a long time.

When there's peculiar smell or dirt

Press to wash with clean water or neutral abluent of 40° C for $30{\sim}60$ mins.

- The abluent volume used should be as the specified.
- The color changed caused by abluent does not affect the unit operation.
- Wash the filter thoroughly after press.

When the scale (white or brown) is hard to clean

(The humidifying volume will be decreased if the unit is operating with scale)

Press to wash it with warm water mixed with Citric acid (around 40° C) or clear water for 2h. Using volume: 20g Citric acid mixed with 3L water.

Please extend the press time when there's scale.

- Wash the filter thoroughly after press.
- Citric acid could be bought at drug store.

Requirement

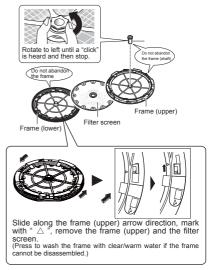
• For different environment, the dirt might be different.

It is advised to maintain when there's peculiar smell or the humidifying volume decreased.

6.Filter replace method

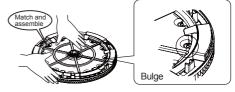
Service life for	when the unit is operated
replacement	for accumulative 2000 hours

1. Remove filter screen



2. Assemble the new filter screen onto the frame (lower)

Match the bulge of lower frame and filter screen hole. (Incorrect assembly might cause water leakage)



Both sides of the filter screen are the same.

3.Upper frame and shaft should be assembled as original sample.

- Match the" △ "at upper frame (till a "click" is heard)
- 2 Insert the shaft and rotate right.

Maintenance for Dedust Parts

Maintenance standard	When the cleaning indicator light is on or there's dirt
Maintenance method	Wash with water, and wipe

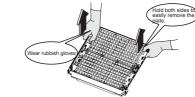


Open the panel, take out the dedusting parts and remove the negative plate which need cleaning

• Hold the handle, pull outward and lift, to remove the static dedusting parts



Remove the screws to remove the negative plate.



Content	Dust collecto	Negative plate	Notice
1.Remove the negative plate from the dust collector assy.	See P18	See P18	
2.collect the surface dust with dust-collecter.			① static
3.Dip in the water for 1hours.			dedusting rack (please use it after dipping and before drying out) ● Please wipe out the
 Wipe the dirt with cloth or soft brush. Please wear cleaning gloves. 			dirt on plastic component with soft cloth Wipe with cotton stick for the spot which is not available with
5.Wash with water			fingers. • Do not leave the fibre of cloth on the component. Incorrect reaction might be caused.
6.Place it at ventilated and shady spot and dry out.			ue causeu.

Replacement of Filter and Filter cotton

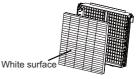
Filter replacement method

Service life for replacement when the unit is operated for accumulative 2000 hours

- 1. Remove the dust collector assy (as following picture shows), then remove the filter behind the collector.
 - Press the clamp on dust collector rack by hand, to remove the filter.







2.Assemble new filter

- Fill the starting use date on filter's label with signature pen (Y/M)
- Assemble the filter into dust collector rack, be noted that the clamp should be proper assembled and the white side should be kept outward.
- Assemble the whole dust collector into the unit. (see preparation before use)

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Filter cotton replacement method

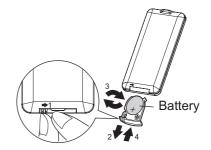
Service life for replacement 3	3 months
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Take out the filter sub-assy, remove the filter cotton as above steps. (see P8 for replacement method)

Replace Battery

1. Open the back cover of the remote control according to the arrow direction.

2. Replace it with CR2025 battery, and then close the lid.

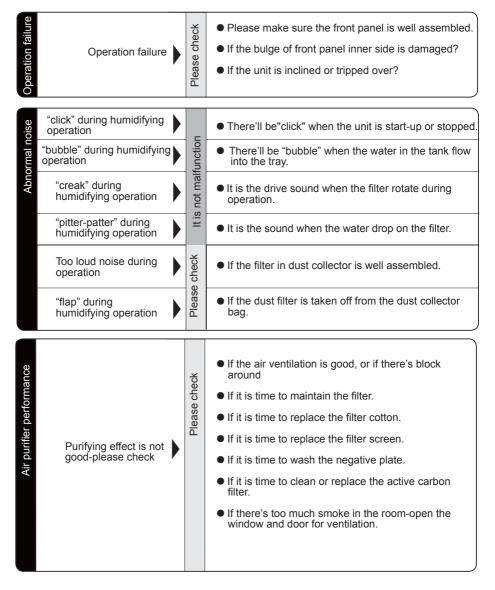


Note:

- The battery should be placed where children can not reach. If a child accidentally swallow the battery, you should quickly get in touch with the doctor.
- When the battery is not used any longer, please put it into battery recycling place at the nearest electrical shop, watch, or camera stores.
- The criteria for replacing battery is 1 year. However, if it is not found insensitive in receiving signals, please replace the battery.
- Please replace the battery as soon as possible when it is close to the battery lifespan.
- In order to avoid the failure and injury caused by fluid leakage or rupture, please remove the battery if it is not in use for a long time.

Troubleshooting

Please be noted of following content before consigning for maintenance, if the problem cannot be solved, please ask the SINCLAIR store for help.



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	the water in the tank reduced without humidifying operation	lfunction	• The unit cannot humidify when the water is filled in the tank. The water in the tank do not reduce-please check.
		It is not malfunction	 The water will be slowly reduced when the humidity is high or in the cold days. The humidify operation will stop automatically when the room humidity is too high under auto humidify mode.
Water tank	The water will be naturally evaporated when the unit is not		 Is the ON/OFF indicator light is on? —If not, press "ON/OFF" button.
/ater	operating.	check	Is the filter well assembled?
>	Pour the water in the water tray during purifying operation.	Please cl	 Is there dirt or scale on the filter? Maintain the filter.
		ď	 If the water lacking indicator light is on? —The water tray is not well assembled if the light is on, correctly assemble the water tray.
			 If the set humidity is 10% higher than ambient humidity?
		u	
	Water lacking indicator light blink	t is not malfunction	 The floater will swing as the water flows during operation, result in the blinking of indicator light. (The ON/OFF of the light is controlled by the position of the floater) —Fill water into the water tank.
ndicator light	No air outlet	_	 If the fan motor is with malfunction? —Please contact with SINCLAIR store.
Indic			If the air inlet of the sensor is accumulated with
	Room dust (dust sensor) indicator light is still ON without change.	Please check	dust? —clean the dust at air suction port with dust collector. Operate the unit a while after dust collecting.
	The water lacking indicator light is still on after the water filling.	Please	 Does the floater cannot move because of the scale? Clear the scale with brush. Is the water tray well assembled? Well assemble the water tray till a "click" is heard. Is the floater in water tray loosened? Assemble the floater as original sample.
	There's peculiar smell, but the indicator light is on.		 If there's peculiar smell when the power plug is connected? After power plug is connected, the first one minute condition is considered as the sensitivity benchmark of the peculiar smell sensor. Pull out the plug when the unit is operating normally without peculiar smell, connect the plug 3s later and operate to modify the benchmark of peculiar smell sensor.

Humidify performance	The humidity shows is always high The humidity shows on the room hygrometer is not the same as the one shows on unit. The humidity is not increased.	Please check It is not malfunction	 If the unit is placed by window or a location facing cold air? The environment humidity is high. —Move the unit to other place. The room located in north or beside the bathroom is with a high humidity. The humidity and temperature will be fluctuated in the room as air flow. Please take humidity display on unit for reference. The humidity is hard to increase as the low indoor temperature, and the dry wall and floor. If the unit is used in a room with larger area than the rated applicable one? Is the airflow volume strong enough? —Set the humidity mode as"auto"or "consecutive" and the air flow volume at high before operation. Is the setting humidity is too high?
	The humidifying does not stop operation even when the room humidity is high.		 Does the unit suffer direct sunshine or warm air? —Move the unit to other place. The humidifying operation is together with purifying. When the humidify reaches set value, humidifying will stop while purifying keeps operation.
	Too much water on air outlet		• Regulate the shape of filter and well assemble it. Incorrectly assemble might cause water leakage.
Air purifier performance	Water splashed to the floor	Please check	 Is the unit inclined? Inclined unit might cause water splashing. Stop operation when moving the unit, pour out the water in water tank and water tray. Is the cover of tank loosened? Properly cover the tank.
	The TV display is disturbed.		 Is the unit placed closely to the TV or TV antenna? Is the power cord or antenna placed closely to the unit? —Please keep the unit far away from the TV, radio and antenna.
	Dual-8 nixie tube displays L1		 Humidity sensor is short-circuited. Replace the humidity sensor.
	Dual-8 nixie tube displays F1		 It's the malfunction of humidity sensor or connection wire of humidity sensor is loosened. Replace the humidity sensor.
	Dual-8 nixie tube displays 00		 Ambient humidity is lower than 30%RH. —it's not malfunction Humidity sensor is broken-circuited. If it still displays 00 when humidity is higher than 30%. —Please contact after-sales service.

Specification

Model	SP-220A	SP-240A	SP-260A			
Rated voltage	220-240V~ 50Hz					
Rated power(W)	55	58	58			
Rated airflow volume(m ³ /h)	220	240	260			
Humidifying volume(ml/h)	350	380	400			
Net weight(kg)	11	11	11			
Dimension(mm)	385X278X608					
Applicable room area(m ²)	14	18	18			
 The net weight is measured when the water tank is empty, the flume is without water and the wet membrane is dry. Humidifying volume is measured when the unit is under an ambient temperature of 20°C ±2°C , relative humidity of 30%±5% and high fan speed. The standby power consumption is around 0.5W. 						