



Instruction Manual 使用說明書

Air Purifier 空氣淨化器

Model/型號: KJ1200F-B01-HK

Please read this manual before use.

使用前請細閱本說明書

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Important Notes

Thank you for choosing A.O. Smith Air Purifier. To optimize the performance of the air purifier, please read and follow this instruction manual. Also please keep this manual in a safe place for future reference.

1. For the initial operation or after replacement of filters, please remove the packing of filters according to the instruction. Otherwise, the machine will not perform properly.
2. Do not disassemble, repair or modify the machine; any unauthorized disassemble, repairing or modification may cause malfunction, danger or fire.
3. Do not touch, insert or remove the power plug with wet hands, otherwise it may cause risk of electric shock.
4. Do not spill water to the machine or immerse machine into water; otherwise it may cause fire or risk of electric shock.
5. Do not operate the machine in an environment with flammable gas or metal dust; otherwise it may cause fire.
6. Do not operate the machine in a humid, wet, hot or large temperature difference environment; otherwise condensation inside the machine may cause risk of electric shock or fire.
7. Do not operate the machine in a greasy environment; otherwise it may rupture the casing of the machine and resulting in exposure of electrical parts to cause fire or injury.
8. Do not damage power cord; power cord cannot be pressed, bended, pulled or twisted. Also, do not place heavy object on the power cord, do not let power cord caught between objects. If the power cord is damaged, it may cause fire or risk electric shock.
9. Do not operate the machine if the power plug is damaged, deformed or in an unsafe condition, otherwise it may cause fire or risk of electric shock.
10. The machine cannot be placed outdoor, must avoid direct sunlight to prevent the casing is faded.
11. Do not place the machine near heat source; otherwise the casing of the machine may be deformed.
12. Do not insert finger or object into the air inlet or outlet; otherwise it may cause body injury or damage to the machine.
13. Do not operate the machine while spraying insecticides. The substance of insecticides can be accumulated in the machine. If the machine operates again, the substance will volatilize to the air and damage to health.
14. Do not block the air inlet or outlet; otherwise clean air will not circulate throughout the room also may damage the machine.
15. Do not clean the machine with volatile detergent or spray insecticides on the machine. This kind of substances can deform the casing of the machine and cause risk of electric shock or fire.
16. Do not sit or stand on the machine. Sitting or standing on the machine may lead to potential injury.
17. The machine cannot remove carbon monoxide. It cannot be used as a safety device in case of accidents with combustion processes and hazardous chemicals.
18. The machine can only be operated when it stands vertically; otherwise it may cause malfunction to the machine.
19. Unplug the machine if not in use over a period of time.
20. Unplug the machine while maintenance, repairing or moving the machine.
21. This machine is not suitable to be operated by the following person: Person with reduced physical, sensory or mental capabilities and knowledge unless they have been given supervision or instruction concerning use of the appliance in a safe way. Child shall not play with the machine.
22. To optimize the performance, suggest placing the machine in the middle of the room and reserve 50cm of clearance space to all sides of the machine.

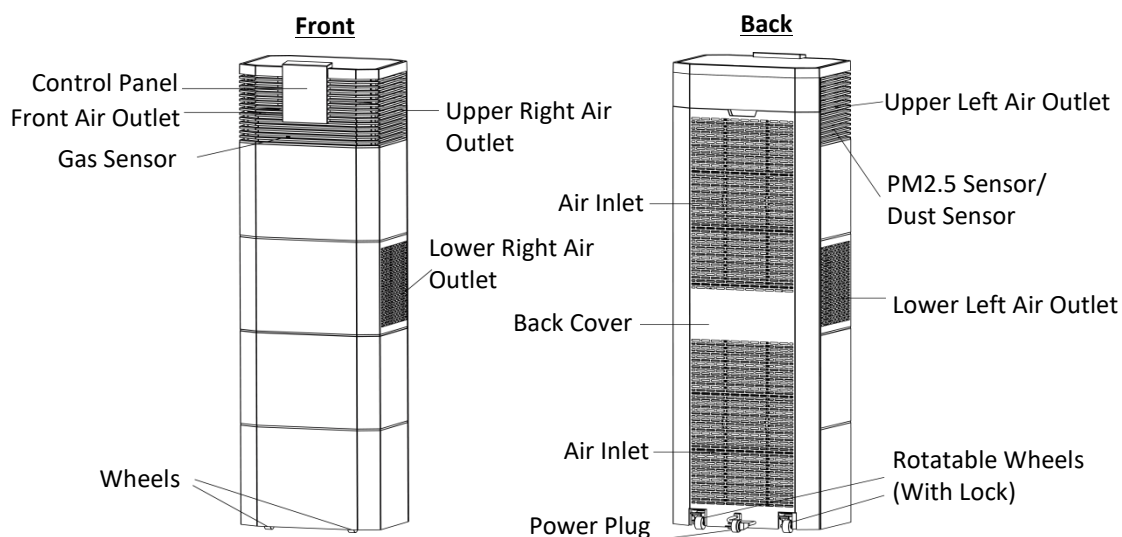
Caution: If any part of the machine is damaged, please contact Customer Services for assistance. This machine can only be inspected, maintained or repaired by a competent person who is authorized by A.O Smith. Otherwise, the warranty will be voided also may dangerous to user.

Product Characteristics

Physical filtration compounds have been applied to the machine as the purification principle:

- **Plastic mesh filter:** can capture substances in the air, such as hair and large particle pollutants; also help extending the lifespan of main-filters.
- **Pre-filters:** constructed by PET, Modified Activated Carbon and Transition Metal Oxides Catalytic to strengthen the effect on odor removal.
- **Main-filters:** constructed by HEPA (High-Efficiency Particulate Arrestance) and Modified Activated Carbon. This combination can capture the size of solid pollutants above 0.3μm (Micrometer); also remove decoration pollution, such as formaldehyde, methylbenzene and TVOC. An extra layer of anti-bacteria agent has been applied to the HEPA to inhibit bacteria to grow for healthiness.

Product Features



Product Specifications

Model		KJ1200F-B01-HK	
Clean Air Delivery Rate (CADR)	Particulate Matter	m ³ /h	1200
	Formaldehyde		500
Cumulate Clean Mass (CCM)	Particulate Matter	Grade	P4
	Formaldehyde		F4
Purification Efficiency	Particulate Matter	m ³ /(W.h)	8.2
	Formaldehyde		3.4
Applicable Area		m ²	84~144
Rated Input		W	146
Noise Level		dB(A)	68
Voltage		—	220V~/50Hz
Dimension (W x D x H)		mm	450 x 296 x 1420

Packing List

No.	Item	Unit	QTY	Note
1	Air Purifier	No.	1	—
2	Instruction Manual	No.	1	—
3	Sensor Filter	PC.	2	1 piece has been pre-installed in factory, 1 piece included as gift.
4	Plastic Mesh Filter	PC.	2	Have been pre-installed in factory.
5	Pre-filters	PC.	4	2 pieces have been pre-installed in factory, 2 pieces included as gift.
6	Main-filters	PC.	2	Have been placed inside the unit, remove packing before operate.

Filters Installation

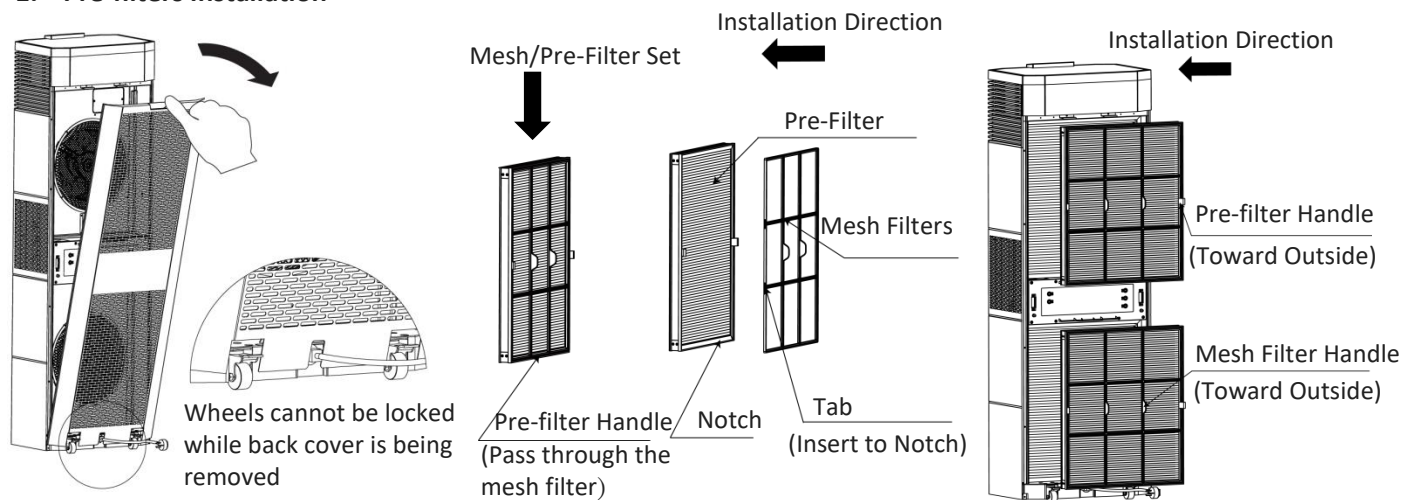
Important Note:

Mesh/Pre-filter set has to be removed when replacing the Main-filter.

Filters have been pre-installed in factory; packing of filters must be removed before the unit is being operated.

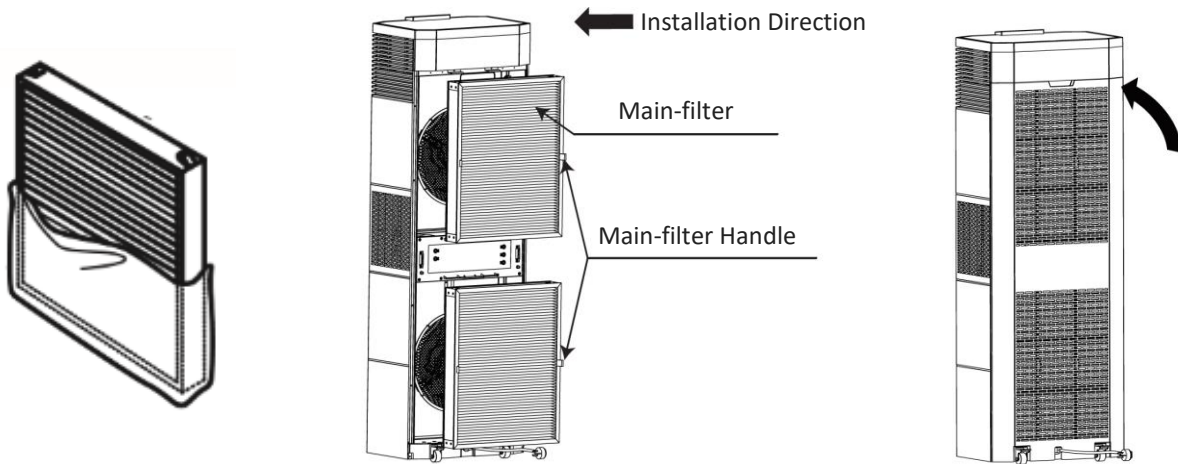
After Pre/Main-filter is being replaced, turn on the unit and reset Filter Lifespan Indicator immediately.

1. Pre-filters installation



- 1 Disconnect the power supply & make sure wheels are unlocked. Ease the unit and open the back cover to remove filters.
- 2 Assemble the mesh filter & pre-filter by fastening the tap to the notch as direction shown above. (Make sure the pre-filter handles pass through the mesh filter.)
- 3 Install 2 Mesh/Pre-filter sets to the unit as direction shown above and make sure the handles are toward outside.

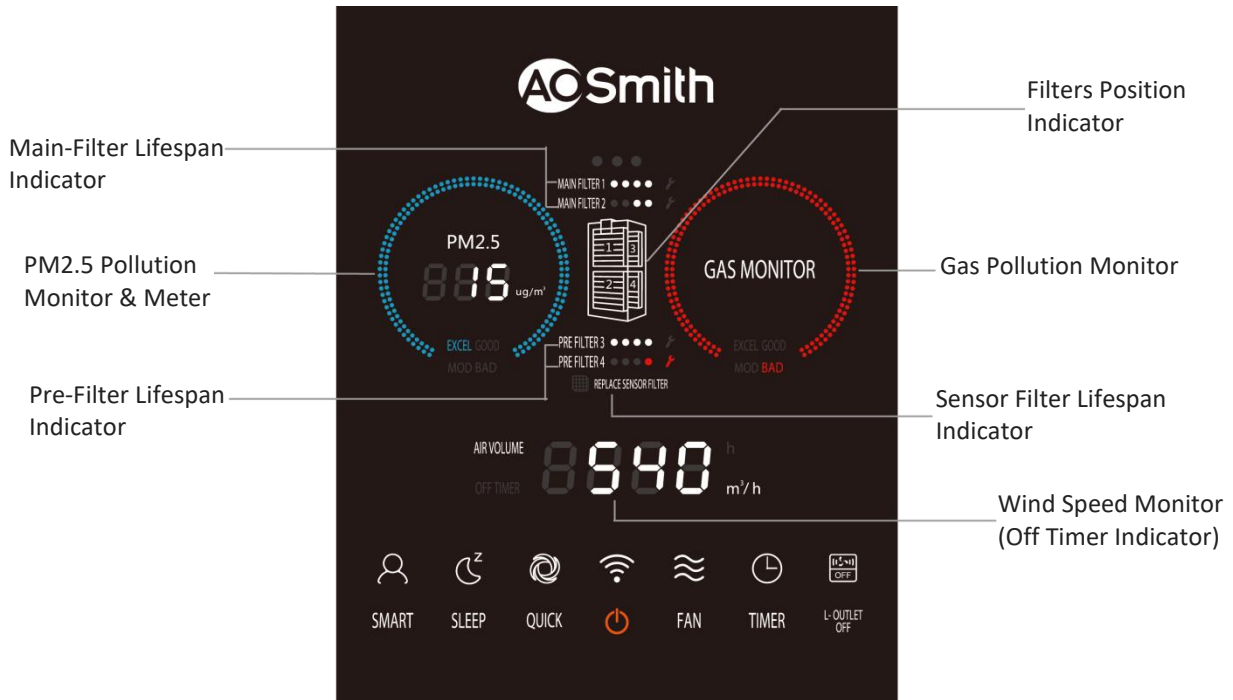
2. Main-filters installation (Remove the Mesh/Pre-filter set beforehand)





- 1 Disconnect the power supply & make sure wheels are unlocked. Open the back cover and remove Mesh/Pre-filter set. Remove the packing of Main-filter.
- 2 After the packing of Main-filter is being removed. Install Main-filter with handles toward outside as direction shown above.
- 3 After all filters are installed, close the back cover, turn on the unit and reset the Filter lifespan indicator (Please refer to Filter lifespan indicator reset instruction).

Operation Instructions

Control Panel of Air Purifier



To Operate

A “beep” will be heard and the  will light up after the plug is connected to the power. Press  to turn on the unit, sensors will initialize and all icons will light up one by one and the unit will run in “SMART” mode as default.

SMART

Intelligence system will detect air quality, brightness of surrounding and change its setting automatically to the optimize performance.

SLEEP

Indication light will go off & lower the wind speed to create a peaceful environment for sleeping.


QUICK

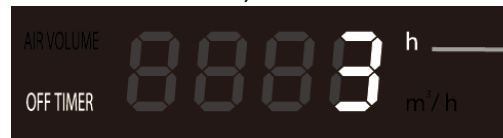
Suggest selecting this mode if environment is badly polluted.

FAN

Press the “**FAN**” button to adjust wind speed: “Low ~” “Mid ≈” “High ≈”

TIMER

Press **TIMER** button to active and set the off timer. After the **TIMER** mode is being activated, the “Air Volume Monitor” will turn into a timer display. Each time the button is being pressed, the off timer will increment by 1 hour and the maximum setting is 12 hours. After the setting is completed, the display will resume to “Air Volume Monitor” and the off timer icon  will appear. The unit will turn off automatically when timer countdown to 0. To cancel this function, set the timer to 0 or restart the unit.



Set hour displays on Off Timer
(Example of 3 hrs. shut of timer)

L-OUTLET OFF

Under this mode, the fan at lower air outlet will turn off and the total output flow rate will reduce by half.

Note:

- The sensors will initialize after the first time of the unit is being connected to the power supply; or being turned on again after the unit is not in used for a period of time. The process of initialization will take 2-5 minutes to complete. After this process is completed, the PM2.5 and Gas indicator will light up automatically.
- As default, the SMART mode will active when the unit is being turn on.

PM2.5 Monitor

The PM2.5 sensor can measure the volume of PM2.5 in nearby area and display the actual measurement on the real-time monitor. The air quality will also be analyzed and categorized into 4 grades, which are “Excellent”, “Good”, “Moderate” and “Bad”.

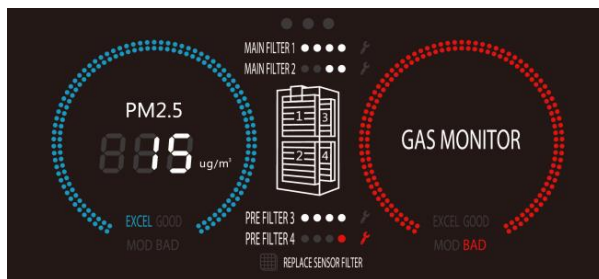
Gas Monitor

The Gas sensor can detect the existence of gas pollutants in nearby area, the air quality toward gas pollutants will also be analyzed and categorized into 4 grades, which are “Excellent”, “Good”, “Moderate” and “Bad”.

Air Cleanliness Halo

The PM2.5 and Gas Monitor also equipped with Air Cleanliness Halo, the Halo will change in color to illustrate 4 different grading of air cleanliness as below:

- Excel ----- Blue
- Good ----- Yellow
- Mod ----- Orange
- Bad ----- Red



Note :

- The gas sensor is not designed to detect a specific type of gas pollutant. When user measures a specific type of gas pollutant such as formaldehyde, the result of measurement may differ from the unit’s sensor. If strong odor is smelled, Quick mode is suggested to activate for fast purification.
- The measured value of PM2.5 from the unit is for reference only; the precision of the sensor can be interfered by other appliances, such as humidifier. When the fan switches between high to low wind speed, the reading of PM2.5 will fluctuate temporarily.

Air Volume Monitor

The Air Volume Monitor shows the current output flow rate and the flow rate of the selected mode.

Output flow rate in different mode(Upper & lower fan turn on)

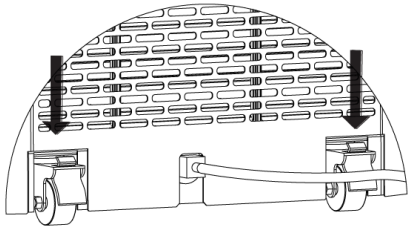
- SLEEP----- 260m³/h
- LOW ----- 400m³/h
- MID----- 660m³/h
- HIGH----- 900m³/h
- QUICK----- 1200m³/h



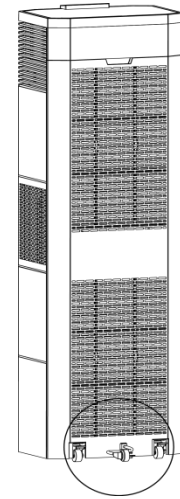
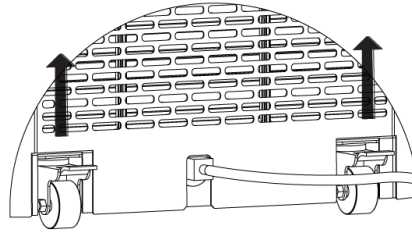
Note :

- SMART mode will change its setting according to the air quality and brightness of the surrounding environment. Therefore, output flow rate will change time by time.
- The output flow rate shown on the Air Volume Monitor will fluctuate according to the change of selected mode.
- To create a peaceful environment for sleeping, some indicators and the Air Volume Monitor will light off when the SLEEP mode is selected.

Wheels Lock



- 1 Step down the lock lever as shown above to secure the rotatable wheels.
- 2 Release the rotatable wheels by lifting up the lock lever when the unit is needed to be moved.



Maintenance

Caution:

- The power plug must be unplugged before cleaning or maintenance the unit.
- Please use a soft cloth or cotton swab to clean the unit, other hard object may damage unit casing.
- Only mild detergent can be used for cleaning, otherwise the unit casing will be damaged.
- The Gas sensor is built inside the unit, it is inaccessible for cleaning.

1. Outer casing of the unit

- Clean the unit with a soft clean cloth regularly.
- Clean the louvers of air inlet and outlet with a vacuum cleaner or soft clean cloth regularly.
- To deal with tough stains, wipe the unit's casing with a cloth dipped in diluted mild detergent. Please make sure the unit is completely dry before operate.

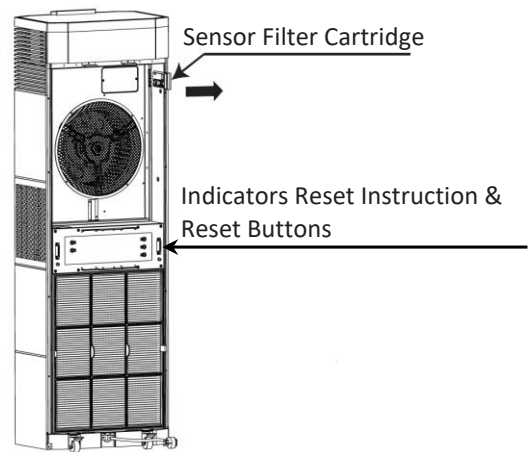
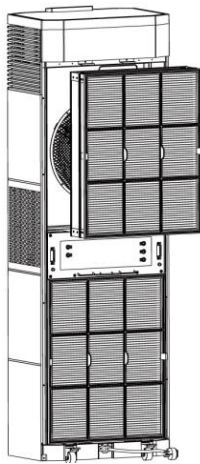
2. Sensor Filter Indicator

- The sensor measures the volume of PM2.5 by contacting the pollutants in the air. The PM2.5 and dust sensor are protected by a filter to ensure sensitivity, accuracy and durability. The filter is placed inside a cartridge for ease of replacement.
- As shown on the right, the filter is needed to be replaced when the Sensor Filter Indicator lights up.

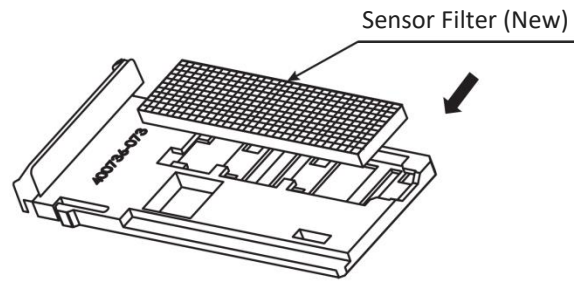
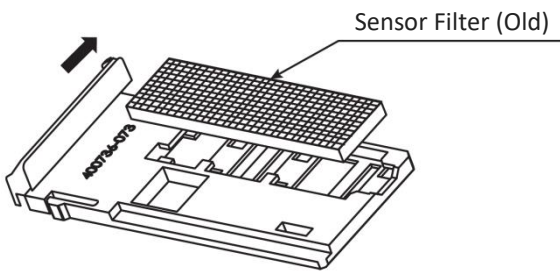


I. Replace Sensor Filter

Note : The sensor filter has been pre-installed in factory; no installation is needed for the initial operation.



- 1 Disconnect the power supply & make sure wheels are unlocked. Open the back cover & remove all filters at the upper compartment.
- 2 Pull out the cartridge to replace filter as shown above.



- 3 After the cartridge is pulled out, remove the old filter as direction shown above.
- 4 Insert a new filter to the cartridge as shown above and install the cartridge to the unit.

II. Reset Filter Lifespan Indicator Instruction

The below indicator reset instruction is located between the upper and lower filters compartment. Please reset corresponding lifespan indicator after filter has been replaced.

⚠ After the designated filter has been replaced, the corresponding Filter Lifespan Indicator must be reset immediately. Otherwise, the indicator cannot be reset again!

1 Reset Main-filter 1 (Press 3 secs.)

2 Reset Main-filter 2 (Press 3 secs.)

Front View

Back View

Reset Pre-filter 3 (Press 3 secs.)

Reset Pre-filter 4 (Press 3 secs.)

Reset Sensor Filter (Press 3 secs.)

Filters at upper compartment have to be removed for replacing the Sensor Filter. Pull out the cartridge as indicated in red to replace Sensor Filter.

III. Reset Sensor Filter

While the unit is on, press the sensor reset button as shown on the right for 3 seconds. When a “beep” is heard, the corresponding indicator will also light off. It means the indicator has been reset properly.

Reset Sensor Filter
(Press 3 secs.)



3. Plastic Mesh Filter

The Plastic Mesh Filter can be washed with water, suggest washing it once every two months. After the Plastic Mesh Filter is being washed, please air dry the filter in a well ventilated environment before it is installed to the unit.

Note : Only the Plastic Mesh Filter is washable; never wash Pre/Main-filter.


4. Main/Pre-Filter Lifespan Indicator

Provides proper cleaning can extend the lifespan of the filters. User can remove both pre-filters and main-filters from the unit; then clean the dust on the filters surface with a vacuum cleaner. (No cleaning or maintenance is needed for the interior of the filters, please be reminded that washing or exposing the filters to the sun light is prohibited.)




As shown above, lifespan of Pre/Main-filter is represented by 4 white dots. White dot will go out by each gradually along with the running hour of the unit.



As shown above, when the last remaining white dot turns into pink and the “Replacement Icon ” appears. It reminds user the corresponding filter is needed to be replaced soon.



When the remaining pink dot turns to red and filter is not yet to be replaced. The “Replacement Icon ” will flash three times along with alarm to alert user to replace filter immediately. If no action has been taken, the performance of purification will be affected and the unit will be shut down by electronic system eventually to prevent secondary pollution.

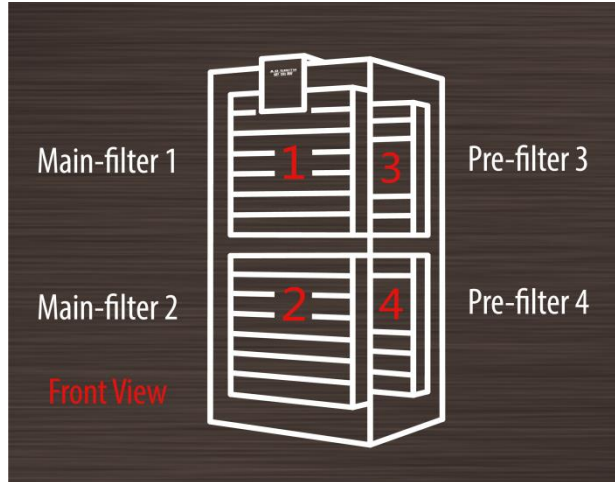
Note:

- Main-filter indicator 1 corresponds to the Main-filter at upper compartment; Main-filter indicator 2 corresponds to the Main-filter at lower compartment.
- Pre-filter indicator 3 corresponds to the Pre-filter at upper compartment; Pre-filter indicator 4 corresponds to the Pre-filter at lower compartment.

I. Reset Main/Pre-filter Lifespan Indicator

After a filter has been replaced, the corresponding lifespan indicator has to be reset immediately. Please refer to the indicator reset instruction.

Pre/Main-filter Locator



Reset buttons and the corresponding filters



Please replace filter according to the instruction. When a filter is replaced, turn on the unit and reset the corresponding filter lifespan indicator immediately. The following indicator reset example applies to all Pre/Main-filter.

Reset Main-filter 1: Press reset button 1 for 3 seconds. When a “beep” is heard, the corresponding indicator on the control panel will resume to 4 white dots and the “Replacement Icon” will go out. It represent main-filter 1 has been reset properly.

Note : Do not reset other lifespan indicator if the corresponding filter has not been replaced.

Troubleshoot

1. Problems caused by abnormal use or environment:

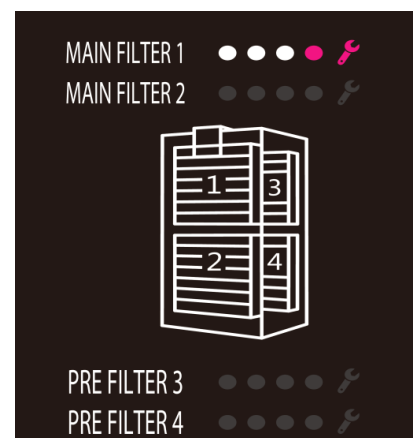
Symptoms	Possible Cause	Solution
No wind from the unit	Is the power supply normal?	Check power supply
	Is the power plug plugged properly?	Check power plug
	Are the packing of filters not been removed?	Check main/pre-filters
	Is any object blocking the air in/outlet?	Remove the object
	Is there no filter installed?	Check and install a filter
	Is filter installed inside out?	Reinstall filter properly
The result of purification is not obvious	Is there any obstacle around the unit that blocks air circulation?	50cm of clearance space is suggested to reserve around the unit
	Is there any dust or filth has been accumulated in the air in/outlet?	Clean air in/outlet, louvers, sensors and filters regularly
	Is filter needed to be replaced?	Check & replace filter if replacement icon lights up, and reset indicators
Odor from the unit	Odor of new material?	Operate the unit in a well ventilated environment until the odor disappears
	Odor of cigarette, insecticide, air freshener or perfume has been inhaled during the unit is operating?	
	Is the unit operates in a strong odor environment such as smoking room or barbeque restaurant?	In this circumstance, filters needed to be replaced and reset indicators frequently even not prompted by indicators
	Is there any dust or filth has been accumulated in the air in/outlet?	Clean air in/outlet, louvers, sensors and filters regularly
The air flow rate doesn't react to the change of color and grading on Air Pollution Indicator	Is any mode selected other than the SMART Mode?	The air flow rate will react to the change of color and grading on Air Pollution Indicator automatically only in the SMART Mode.

2. Causes of indicator flashing:

Symptoms	Indicator flashes as shown on the right
Possible Cause	Filter 1 has not been installed or installed inside out
Solution	Install/reinstall filter 1

Note :

The solution above is an example for filter 1, also applies to other Pre/Main-filter. If other Pre/Main-filter has not been installed or has been installed inside out, the corresponding indicator will also flash. When filter is being installed properly, the corresponding indicator will stop flashing and light up as normal.



3. Causes of error code

Symptoms	Possible Cause	Solution
E0/E1	Fan failures	Contact Customer Services
E3/E4/E5/E6	Communication failures	
F0/F1/F2	PM2.5/ Dust sensor failures	
F6/FA/Fb/FC/Fd/FE	Gas sensor failures	

Services and Warranty

Terms & conditions for A.O. Smith Air Purifier (Applies only to Hong Kong & Macau SAR)

1. With the purchase of air purifier, the comprehensive warranty period will begin where A.O. Smith Holdings (Barbados) SRL (hereinafter referred to as "A.O. Smith Hong Kong") will provide rectifications to any manufacturing defects free of charge according to the terms and conditions hereinafter.
2. One year comprehensive warranty only applies to air purifier which is used for household purpose. Charges and fees may occur if air purifier is used for commercial purpose.
3. Application for one year warranty must be completed and returned to A.O. Smith Hong Kong via fax, e-mail, or post, within 14 days of purchase. The warranty will become effective after the receipt of the application, without any confirmation notice or written documents in return.
4. Except the casing and filters, the one year comprehensive warranty only limits to the electrical parts. A.O. Smith Hong Kong reserves the rights to choose to repair or replace each faulty component subject to the evaluation of A.O. Smith Hong Kong service and maintenance crews.
5. If a product or part is discontinued or out of stock at the time of repair, maintenance or replacement, A.O. Smith Hong Kong has the option to repair or replace the covered product or parts with the same model or like kind, specifications and quality at A.O. Smith Hong Kong sole discretion. A.O. Smith Hong Kong will not make any form of compensation, refund or offer for the price difference of any product or spare-part.
6. A.O. Smith Hong Kong reserve the rights to choose to provide on-site or workshop repairing service. And A.O. Smith Hong Kong will not provide air purifier borrowing service.
7. After the one year comprehensive warranty, all spare-parts, inspection, rectification and transportation costs will be charged to the customer.
8. Under no circumstances shall coverage extend to any loss or damage to a person or property for any loss of profit, incidental, contingent, special or consequential damages or any direct or indirect loss.
9. This warranty does not include and will be voided if:
 - a) Damages resulting from act of God, human negligence, improper installation or abnormal usage;
 - b) The air purifier has been inspected or repaired or being tampered with/by any unauthorized personnel;
 - c) Non-standard parts and/or accessories are installed and/or used with the air purifier;
 - d) Failed to produce a valid sales invoice or warranty card;
 - e) Original invoice and / or installation are altered or modified;
 - f) The serial number on air purifier's body is removed or altered.

In case of any disputes, A.O. Smith Holdings (Barbados) SRL reserves the right to make the final decision. Where this disclaimer is available in English, the Chinese version is the governing version and shall prevail whenever there is a discrepancy between the two versions.

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