

KENT
Alps
Air Purifier

HEPA
TECHNOLOGY

REMOVES
DANGEROUS
PARTICULATES
FROM AIR

HIGH CADR &
HIGH CAPACITY

KENT Air Purifier De
Sabse
Shudh Hawa



KENT
HEPA
Air Purifiers

HOUSE of PURITY



HEPA Room Air Purifier
High CADR & High Capacity

Welcome to KENT

Dear Customer,

At the outset, allow us to thank you for your trust in **KENT ALPS Air Purifier**.

At KENT, we take pride in our reputation for product quality and industry proven performance. We are certain that your decision to own **KENT ALPS Air Purifier** will go a long way towards keeping you and your family in good health. We are confident that you will be more than satisfied with its performance and that it will serve your need for safer and purer living without any compromise.

This guide would help you in getting the best out of your **KENT ALPS Air Purifier**. Please go through the booklet to familiarize yourself with operation and maintenance.

You can look forward to years of trouble free service. To ensure that the warranty of your **KENT ALPS Air Purifier** is effective, it is important that you fill up the enclosed warranty card and mail it to us within 15 days of purchase. In case you require any further information, please contact your nearest KENT dealer / branch.

Happy living

KENT RO SYSTEMS LTD.



HOUSE of PURITY

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Why KENT Alps Air Purifier?

We, at KENT have always believed that clean and healthy life is a right of every individual. This ethos is what made us embark on the journey to develop innovative solutions for cleaning the water we drink, vegetable and fruits we eat, homes we live in and the air we breathe.

With use of an innovative technology and supported by a competent service network, we have been able to create a brand which has become synonym for well-being and health.

Continuing with the tradition, we now present the KENT ALPS Air Purifier, with state-of-the-art HEPA Technology to provide clean and particle free air.

As we all are aware that with every passing day, the air quality is worsening. Perhaps what we are not aware of is that the air inside the house is more polluted than the air outside.

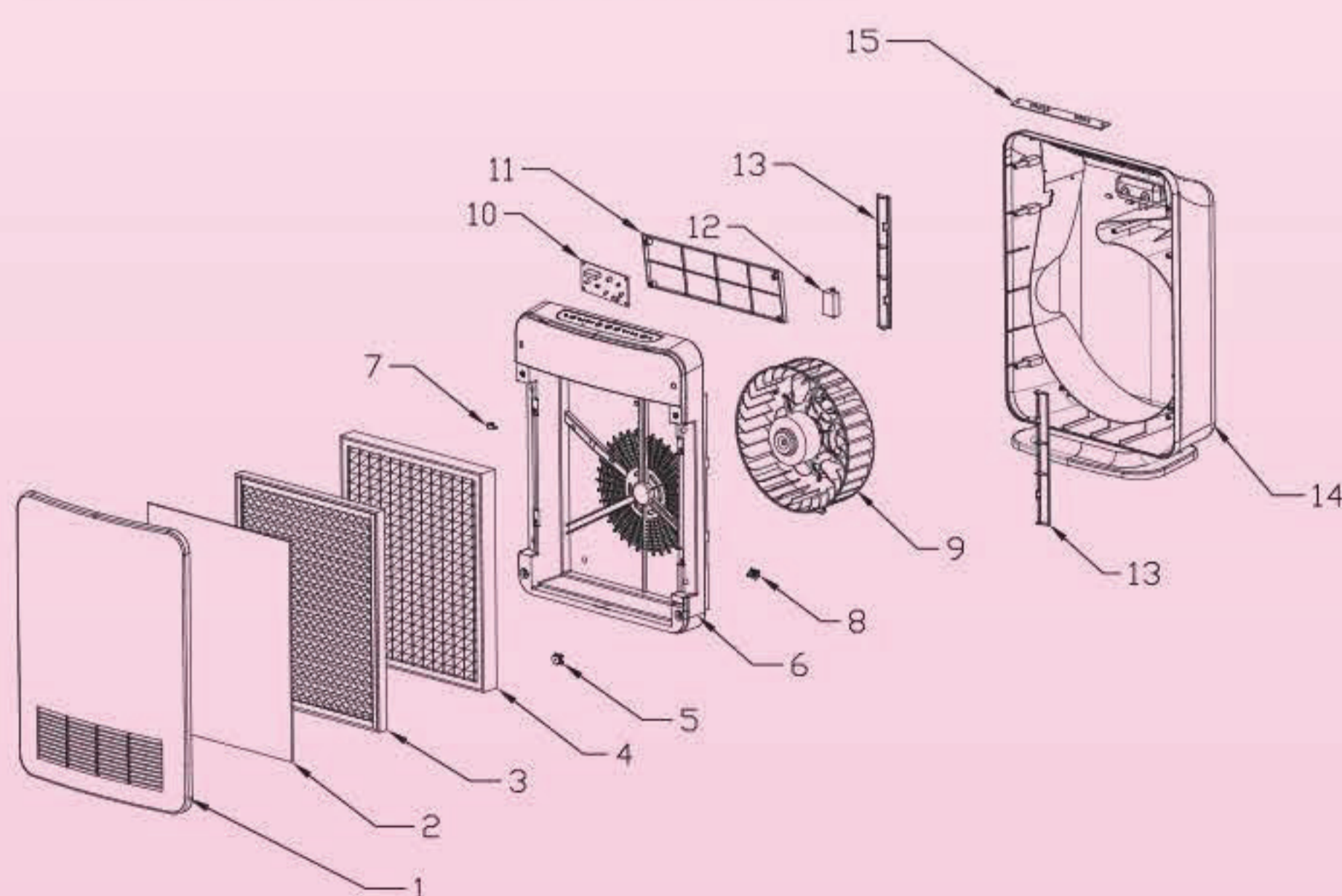
On day-to-day basis, a city dweller spends almost 90% of the time indoor (either in office or at homes), which means, the quality of indoor air is critical to one's health. Pollutants like dust, bacteria, pollen, hazardous gases (e.g., formaldehyde, benzene, etc.), soot, second-hand smoke, etc. are amongst the most common and hazardous indoor pollutants. These pollutants have a shelf life up to 240 hours in some cases. Inhaling these pollutants can lead to major complications like asthma, flu and other respiratory diseases.

We sincerely hope that KENT ALPS Air Purifier will bring you and your family good health, by safeguarding you from these deadly indoor pollutants.

Salient Features of KENT Alps Air Purifier

1. HEPA (High Efficiency Particulate Arrestor) dust collection Japanese technology .
2. High-efficiency removal of PM 2.5 Particulate Matter.
3. Higher CADR (Clean Air Delivery Rate) of 400 m³/hr.
4. Activated carbon filter to remove odour.
5. Improves freshness of air with inbuilt Ionizer.
6. Intelligent Air Quality monitoring.
7. Filter change indicator.
8. Low noise/silent operation.
9. User-friendly functional design that is safe and convenient for use.
10. High purifying capacity that purifies air in the room instantly.
11. Suitable for a room size up-to 430 sqft.
12. Child lock technology.

Know your Product



1. Front Cover
2. Pre-filter
3. Activated Carbon Filter
4. HEPA Filter
5. Magnet Assembly
6. Middle Plate
7. Lock for Middle Plate
8. Switch Holder
9. BLDC Motor Assembly
10. PCB Power Supply
11. PCB Cover
12. Ionizer
13. Support Middle Plate
14. Back Cover
15. PCB Touch Pad

Items in the Box

- | | | |
|---------------------------|---|--------|
| 1. KENT ALPS Air Purifier | : | 01 No. |
| 2. User Guide | : | 01 No. |

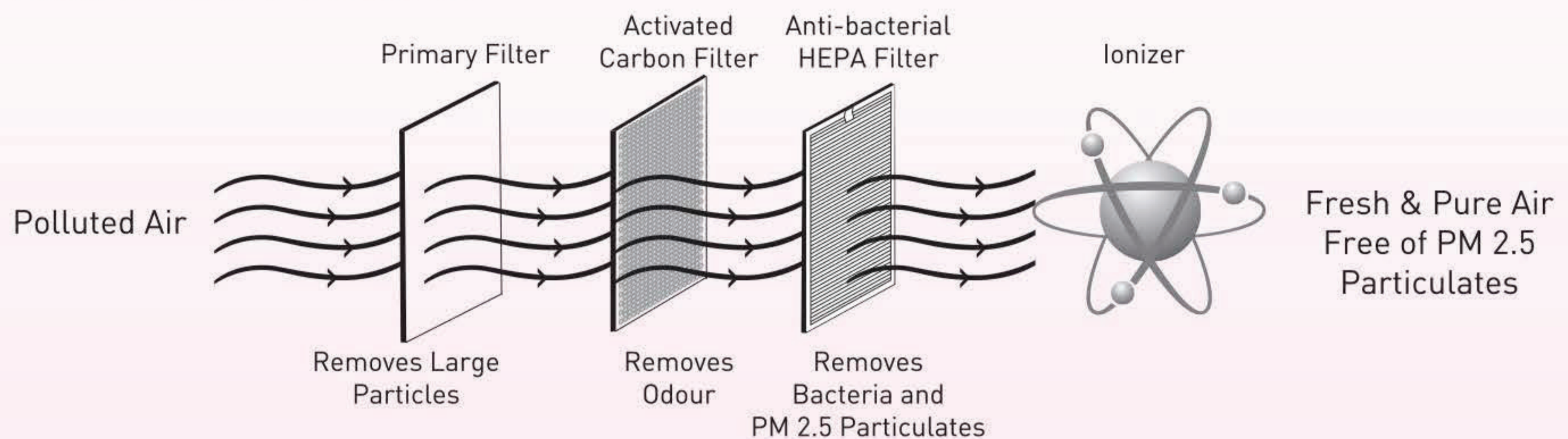
HEPA Technology

HEPA (High Efficiency Particulate Arrestor) is a type of a mechanical air filter, which removes 99.97% of particles of size less than 0.3 microns (micron is one millionth of a meter) in diameter from the air passed through it.

HEPA uses three different mechanisms (Impact, Interception and Diffusion) to catch and trap carcinogen particles, which are larger than 0.3 micron size and can be commonly found at homes such as dust mites, mold spores, pollen, pet dander and tobacco smoke.

These carcinogen particles have high shelf life and are highly injurious to health and cause variety of health hazards including allergy, asthma and lung cancer and these cannot be removed by normal filters available in the market.

Filtration Process



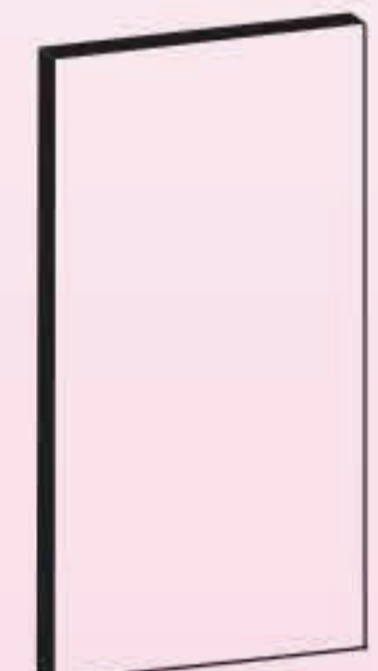
Setting Up the KENT Alps Air Purifier

Your KENT ALPS Air Purifier is equipped with three filters for effective and efficient air filtration. Acting as a line of defense, each filter performs a customized role.

Filter 1: Primary Filter

The filters acting as a first line of defense, removes large and visible pollutants such as:

1. Large particle dust
2. Human and pet hair
3. Debris
4. Cobwebs

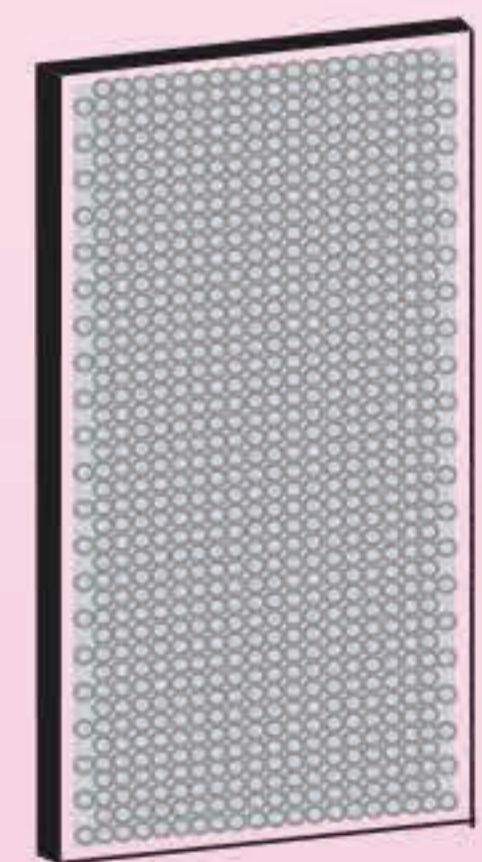


Primary Filter

Filter 2: Activated Carbon Filter

The activated carbon filter removes any smell/odour including:

1. Cigarette smoke (smell)
2. Foul odour
3. Pet smell
4. Formaldehyde
5. Benzene
6. TVOC



Activated Carbon Filter

Filter 3: Anti-bacterial HEPA Filter

The Anti-bacterial HEPA filter catches and traps various carcinogenic particles and pollutants such as:

1. Bacteria
2. Pollen
3. Allergens
4. Mould
5. Dust
6. Cigarette smoke particles

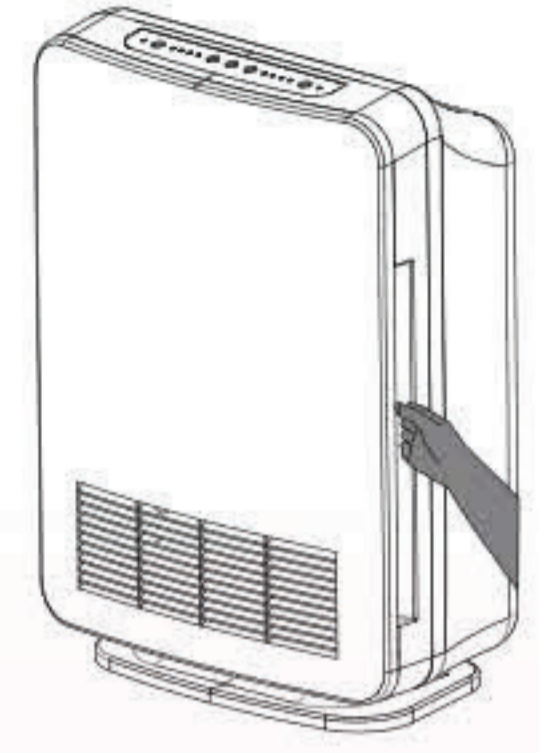


Anti-bacterial HEPA Filter

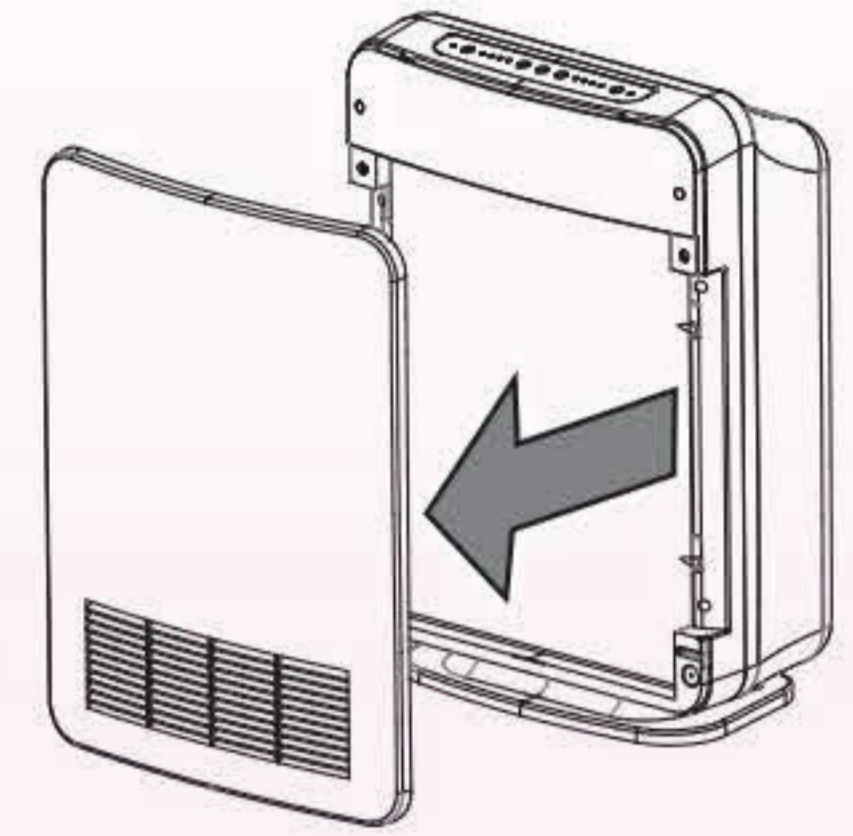
Installing Filters

This appliance comes with filters covered in plastic covering to prevent any wear and tear. This protective covering must be removed before using the appliance.

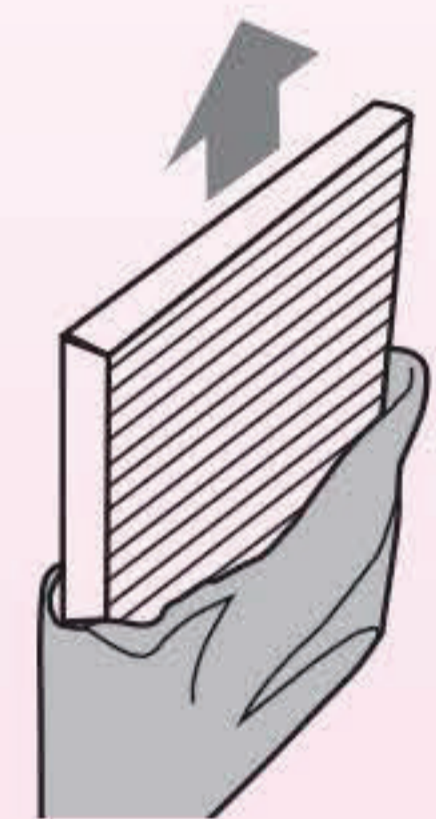
1. Unplug the appliance.
2. Put fingers in the groove at the upper part of the front panel.



3. Gently pull and remove the front panel.



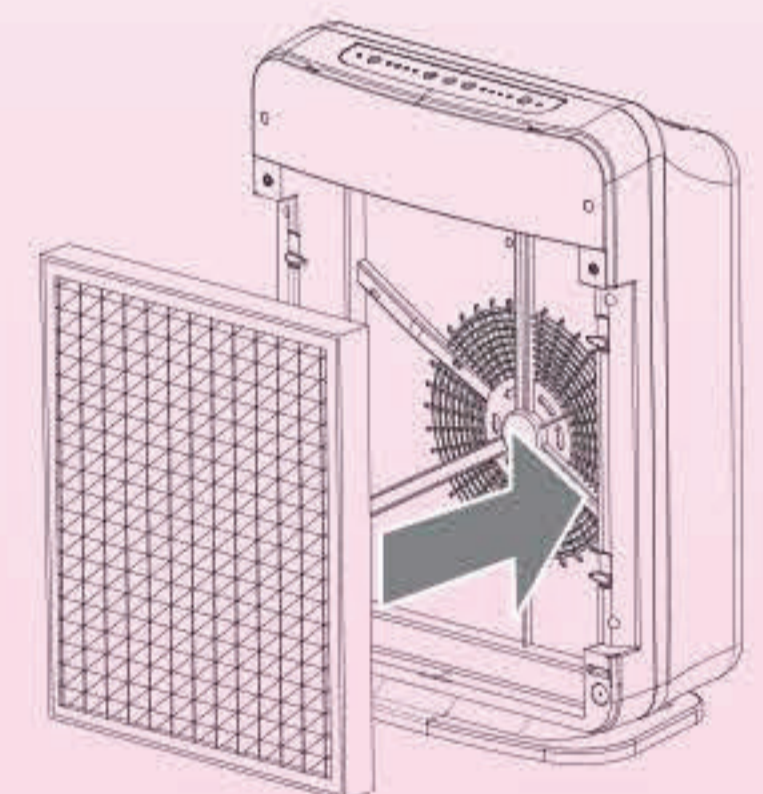
4. Remove filters from the product. Gently remove the protective plastic packaging.



5. Place anti-bacterial HEPA Filter.

Note: Anti-bacterial HEPA Filter has to be installed in a correct position.

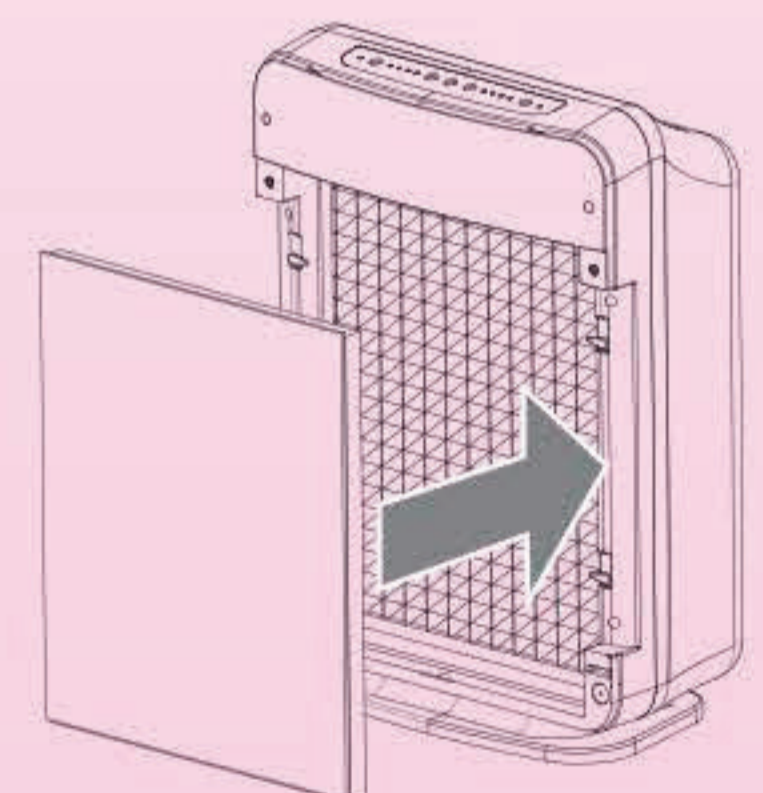
Failing to do so would hamper the purification process.



6. Place Activated Carbon Filter followed by Primary Filter (maintaining the order) and in correct position only.

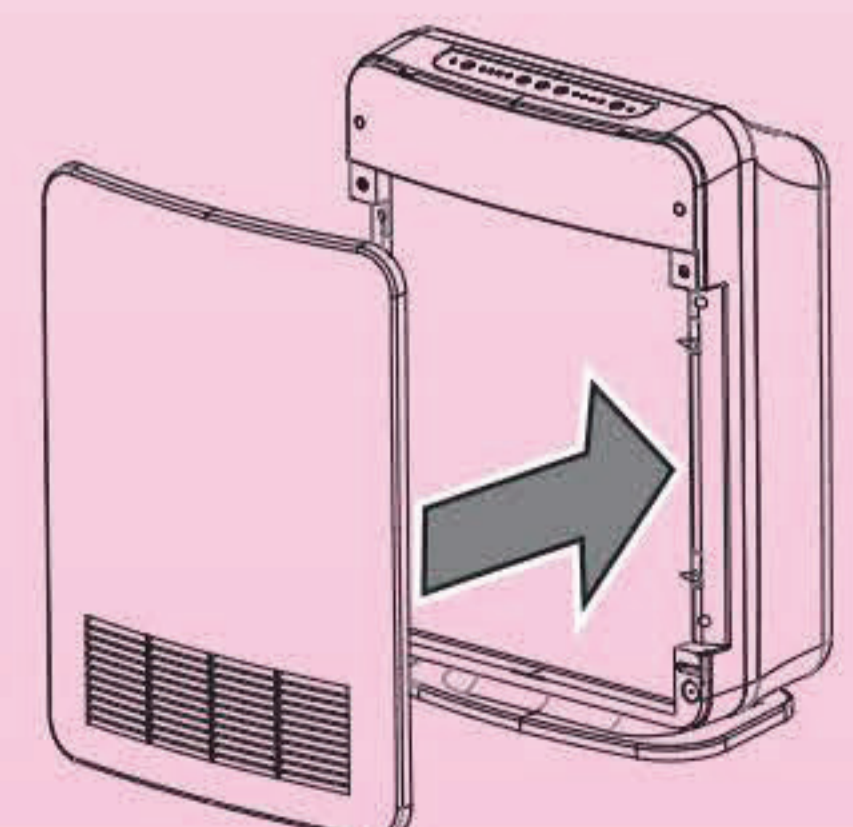
Note: Please ensure the filters are installed in the correct order only.

Failing to do so would hamper the purification process.



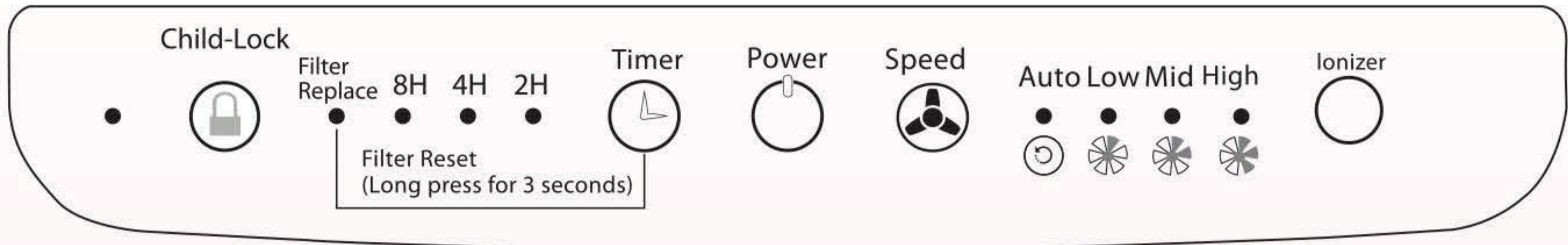
7. Before installing the front panel, ensure that all the filters are correctly placed.

8. To put the front cover in the air purifier, insert the snaps on top of the front cover into slots, and push till you hear a click.



Using KENT Alps Air Purifier

1. Remove any stickers that can prevent unit operation.
2. Ensure that filters are installed in the correct format only.
3. Check the unit for damages, do not use it in case of any damages.
4. Before switching the unit on, make sure that your home main voltage corresponds to the unit operating voltage.
5. Once connected to the main power supply, the appliance will give a single 'beep' indicating that it is ready for use.

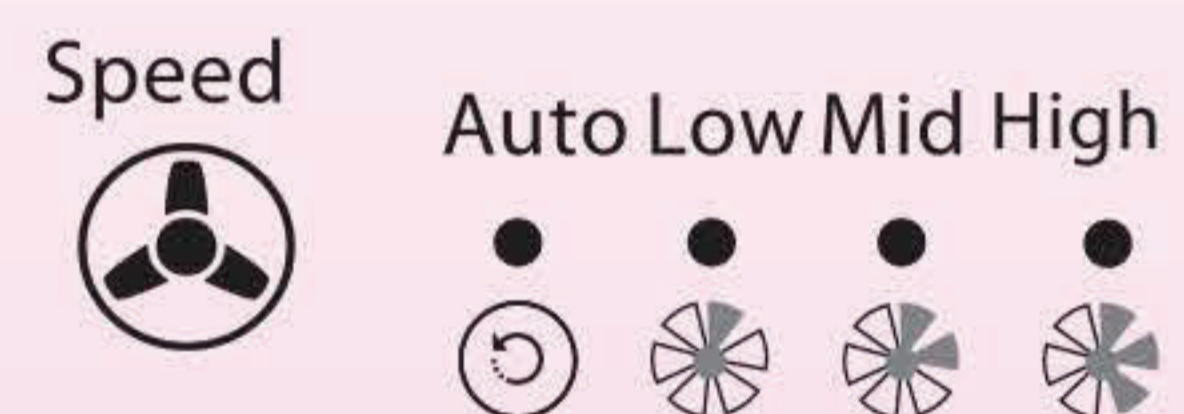


6. To start the KENT ALPS Air Purifier, press 'POWER' button. The appliance will give a beep to indicate that it is on. The appliance would start with Auto-Mode and with Lonizer turned on.
7. To turn off the appliance, press 'POWER' button.

Speed

KENT ALPS Air Purifier comes with four different speed settings. These different speed settings – Auto, Low, Medium & High allow you to select a particular speed to suit your needs. To vary speed, press speed button on control panel.

1. For Low speed - press speed button once.
2. For Medium speed - press speed button twice.
3. For High speed - press speed button thrice.



Timer

KENT ALPS Air Purifier comes with three different timer settings.

These different settings – 2 hour, 4 hours & 8 hours, allow you to select a usage as per your need.

To set timer, press timer button on control panel.

1. To Set timer for 2 hour - press button once.
2. To Set timer for 4 hours - press button twice.
3. To Set timer for 8 hours - press button thrice.

When the set time is up, the purifier will turn off.



Filter Reset

When 'REPLACE FILTER' LED glows, it indicates that the filter's life is up and needs to be replaced. The 'REPLACE FILTER' LED will glow after 2000 hours of usage in normal course or when the filters are choked.

After replacing the filters, press and hold "TIMER" button for 3 seconds to reset the 'REPLACE FILTER' indicator for filter replacement.

Note: The life of the filter is indicated as 2000 hours and would depend on the quality of air being filtered.

Child Lock

To prevent any misuse, the appliance comes with a Child Lock.

To cancel lock, long press "Child-Lock" for 3 seconds. When the light turns off, all keys would be operating normally.

To activate Child Lock, press "Child-Lock" key for 3 seconds. In this mode the operation panel would be in a lock state.

Child-Lock

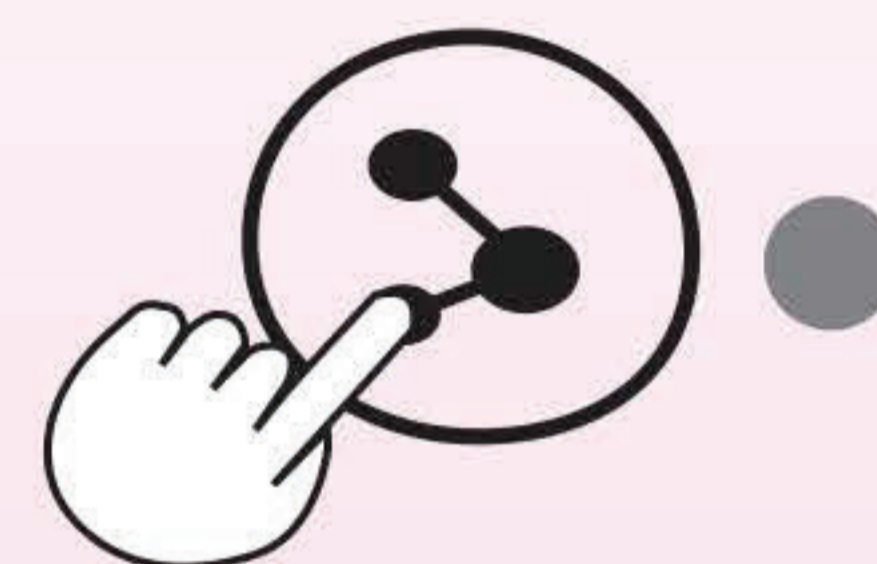


Ionizer

Negative ions help freshen and purify the air by causing allergens such as pollen, mold spores, dust, and animal dander floating in the air (which have either a neutral or a positive charge) to be attracted to and stick to each other, forming 'clumps'. Negative ions also have been shown to help lift mood, alleviate depression and seasonal affective disorder (winter depression or sad). There is also a patent by a prominent researcher and institution for the treatment of depression with negative ions.

The appliance comes with an in-built Ionizer, which releases negative charged ions to freshen-up the air in the room.

The Ionizer starts automatically whenever the appliance is started with Auto mode. With the Ionizer on, the purifier will release negative ions.



Air Quality Indicator

Your KENT ALPS Air Purifier comes with an in-built sensor and a display to indicate air quality in the room. The air quality is indicated by a glowing LED which also displays speed settings.

Once the appliance is started, the air quality requires around 3 minutes to initiate and displays pink colour only. After 3 minutes, the sensor displays colour in accordance to the air quality in the room. The colour parameters are as described below.

Blue: Excellent

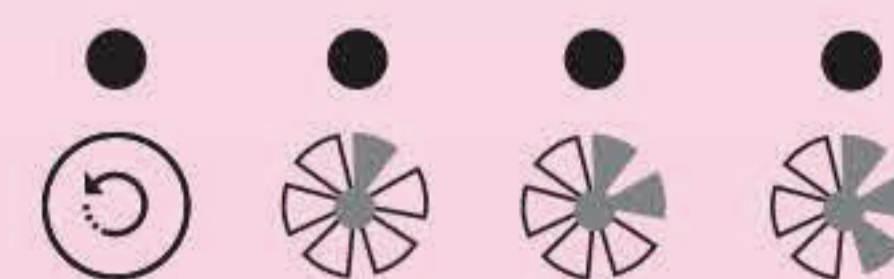
Pink: Good

Red: Poor

Speed



Auto Low Mid High



Note: In the first 3 minutes after the machine is turned on, the sensor is in preheat stage, so the air quality indicating lights would display only pink colour. Any air quality information is only for reference before it becomes stable.

Cleaning and Maintenance

To keep your KENT ALPS Air Purifier spotless, please ensure a periodic cleaning of your purifier.

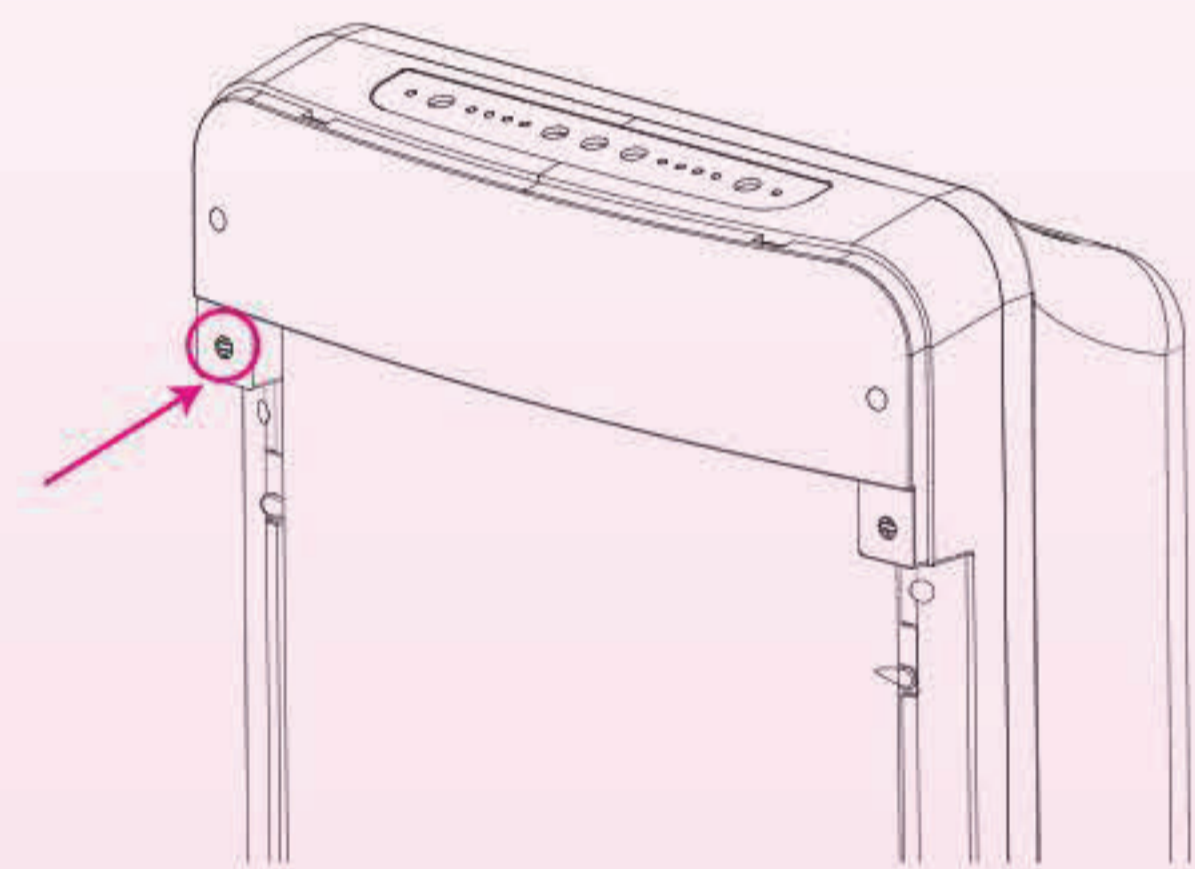
1. Switch off and unplug the appliance from main power supply.
2. Regularly clean the appliance to prevent accumulation of dust. Wipe the appliance with a soft cloth to remove any dust or dirt.
3. In case of few stubborn marks, wipe with a soft cloth dipped in household detergent.
4. Do not use the machine till it is completely dry.
5. Do not clean the appliance by immersing it in water or under tap water. It might lead to defects in the appliance.
6. Do not use cleaning agents, such as bleach or alcohol, that are corrosive or flammable.
7. The air quality sensor area needs to be cleaned once every 2 months to ensure excellent performance from the appliance.
8. If the purifier is used in a dusty environment, please clean it regularly.

Cleaning Filters and Air Quality Sensor

To ensure optimized air quality and longer life, it is advised to clean air quality sensor and outer filter on periodic basis.

Cleaning Air Quality Sensor

Clean the air quality sensor after every 2 months of usage. Gently brush (with a soft brush) the area around air quality sensor as shown in the figure.



Cleaning of Filters

1. Primary Filter:

Clean the primary filter after every 2 weeks of usage. Clean primary filter either with a vacuum cleaner or with a soft brush.

2. Anti-bacterial HEPA and Activated Carbon Filter:

Clean Anti-bacterial HEPA and Activated Carbon Filter once every 2 weeks of usage.

- a. To clean the filter, put it facing down on a newspaper or any other protective surface.
- b. Clean the filters using a soft brush or with vacuum cleaner (using brush nozzle or crevice nozzle) to remove the dust on the surface.
- c. Do not exert any excessive force on the HEPA or Activated Carbon Filter. Doing so might lead to its deformation.

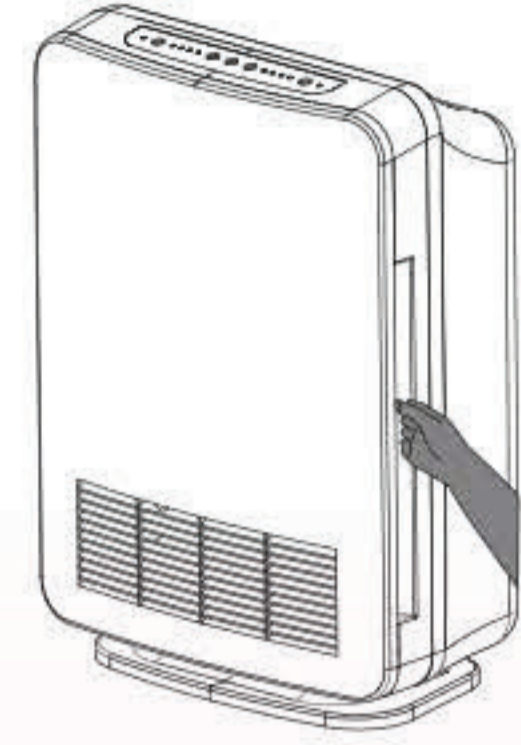
Note: The filters should not be washed under any circumstances.

Replacement of Filters

When it's time to replace the filter, it would be automatically indicated by the appliance through flashing of the 'Filter Replacement Indicator'. When the 'Filter Replacement' LED starts flashing, replace the filter and reset the filter.

Put your fingers in the groove at the upper part of the front panel, and gently pull to remove front panel.

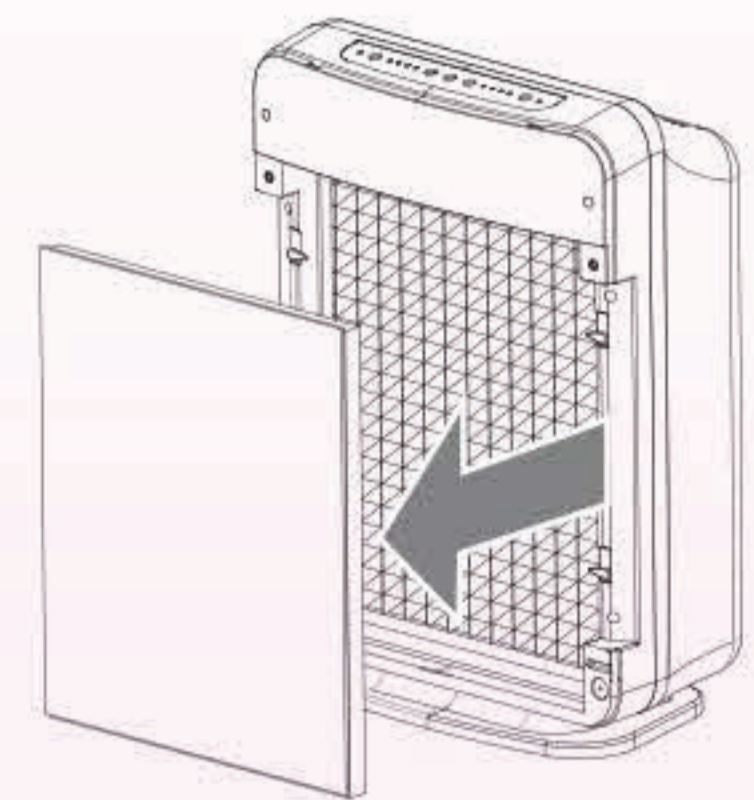
Note: Do not use excessive force. The front panel can be easily removed.



Removing Activated Carbon Filter and Primary Filter

Remove Activated Carbon Filter by holding its handle and pulling it out gently.

Note: Since the Primary Filter is fastened to the Activated Carbon Filter, first remove the Activated Carbon Filter followed by the Primary Filter.



Remove Anti-bacterial HEPA Filter

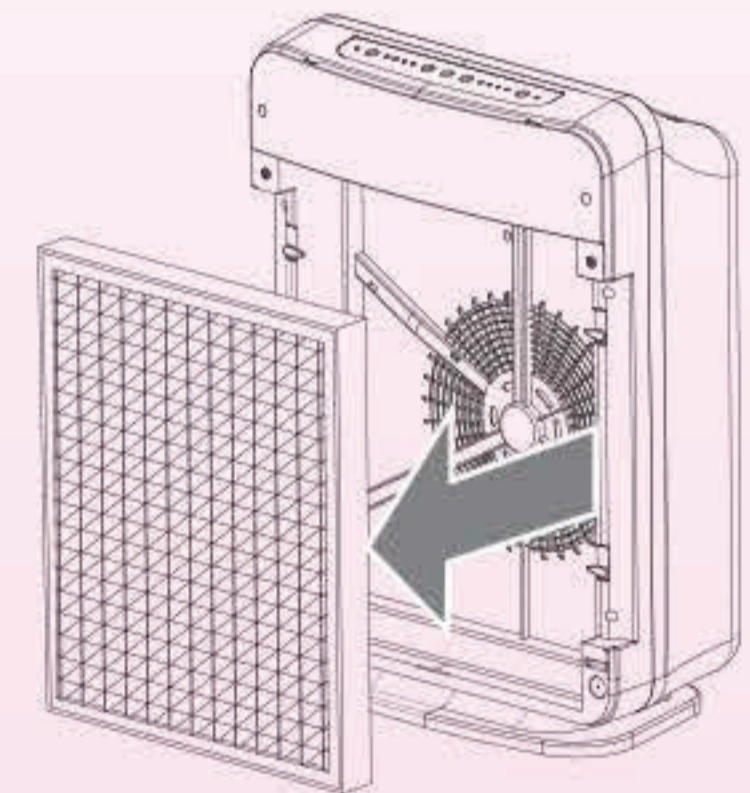
To remove the Anti-bacterial HEPA Filter, hold the small handle on antibacterial HEPA Filter, and pull gently.

Replace the filters by removing the new filter from its protective covering and install in the reverse order.

After replacing all the filters, plug the appliance to the main socket and restart it.

Note: After replacing the filters, press "timer" button to reset the filter. Hold till you hear three 'Beeps' indicating that the filters have been reset.

Warning: It is important that proper instructions are followed when cleaning or replacing the filter. Not adhering to proper procedures may impair the performance of the appliance.



Precautions

1. Do not disassemble, repair or alter the machine on your own. It may cause appliance failure or breakdown.
2. The input voltage must not exceed the rating; it might damage the appliance.
3. Unplug before replacing the filter/cleaning/moving the appliance.
4. Do not use the appliance with damaged power cord or plug.
5. If power cord is damaged, replace it with a genuine KENT spare parts.
6. Do not install the machine in a high humidity area, e.g., bathroom. The vapor may result in electric shock or breakdown.
7. Do not use the appliance in places with combustible liquids or heavy oil stain (e.g., machine oil). This may result in breakdown, electric shock or combustion.
8. Do not install the machine near any heat source, e.g., heater.
9. Do not use the appliance for soot ejection or for ventilation in kitchen. This would result in reduced service life of the filter and even the appliance might get damaged.
10. Do not stick fingers or any other objects into the air outlet.
11. When using pesticide, turn off the appliance to prevent any chemical from being sucked in. The chemicals may accumulate in the machine and generate hazardous, pungent substance under certain circumstances.
12. When the machine is used together with humidifier, prevent excess water vapor from entering the machine, because water vapor could lead to electric shock and damage to the machine.
13. Do not block the air intake and outlet, which may otherwise reduce the machine's cleaning capacity (the indoor air may not be cleaned thoroughly) and result in machine breakdown.
14. Do not place the appliance near any water source such as fish tank or vase. If water enters into the machine, it may cause electric shock or malfunction.
15. If the machine is not being used for long time, unplug it.
16. Do not sit on, stand on or shake the appliance.
17. Do not use the machine when it is in recumbent or inclined position.
18. Do not attempt to use the machine to remove some toxic substance, e.g., CO.
19. Do not use the machine at heavily smoky or dusty place, e.g., kitchen or where flammable gas, caustic gas or metal dust may have access, which may otherwise cause fire or failure.
20. Always use KENT Genuine Spare parts for effective purification.

Important Safety Instructions

When using an electrical appliance, basic precaution should always be followed, including the following:

1. Unplug when not in use and before servicing.
2. To reduce the risk of electric shock, do not use near or on wet surfaces.
3. Use the appliance only as described in the manual.
4. Do not use the appliance if cord or plug is damaged or worn out. Replace the damaged cord or plug immediately.
5. Do not try to service the appliance on your own. Send it to an authorized service center only.
6. Keep cord away from heated surfaces.
7. Do not unplug the appliance by pulling the cord. Always unplug by pulling the plug and not the cord.
8. To avoid electric shocks, do not use the appliance with wet hands.
9. Keep hair, loose clothing, fingers and all parts of body away from moving parts.
10. Turn all controls off before unplugging.
11. Never use the appliance without filter in place.
12. This appliance is suitable for indoor use only.
13. Keep away from children.
14. The appliance is not designed to be used by people who are physically or mentally disabled or mentally handicapped or lack of relevant experience and knowledge, unless a person responsible for their safety, uses the product for supervision or guidance.
15. Do not put the product directly under the air conditioning, to prevent condensation of water droplets into the product.

Troubleshooting

Problem	Possible Cause	Possible Solutions
The Appliance does not switch on	<ul style="list-style-type: none"> • Power Cord not firmly plugged into socket • No power in the main supply • Front panel not installed properly 	<ul style="list-style-type: none"> • Plug the unit firmly • Check the fuse or cutout switch Replace fuse or reset the switch • Install front panel properly • Call KENT authorized service center
Air not coming out	<ul style="list-style-type: none"> • Air intake or outlet is blocked • Protective plastic packaging has not been removed 	<ul style="list-style-type: none"> • Change the position or remove the blockage • Remove plastic packaging
	<ul style="list-style-type: none"> • Motor doesn't work 	<ul style="list-style-type: none"> • Call KENT authorized service center
There is no effective purification	<ul style="list-style-type: none"> • The machine is installed at a poorly ventilated place or there is an obstacle nearby 	<ul style="list-style-type: none"> • Remove the obstacle
	<ul style="list-style-type: none"> • Anti-bacterial HEPA/Activated Carbon/Primary Filters are overused and require replacement 	<ul style="list-style-type: none"> • Replace Anti-bacterial HEPA/or Activated Carbon/ Primary Filters
Foul odours coming from the Air Purifier	<ul style="list-style-type: none"> • The foul odours may be due to excessive smoking in a shorter interval of time 	<ul style="list-style-type: none"> • The odours will disappear after a while
	<ul style="list-style-type: none"> • Anti-bacterial HEPA/Activated Carbon/Primary Filters are overused and require replacement 	<ul style="list-style-type: none"> • Change Anti-bacterial HEPA /Activated Carbon/ Primary Filters are overused and require replacement

Technical Specifications

Product	KENT ALPS AIR PURIFIER
Product Code	115004
Product Generic Name	Air Purifier
Product Colour	White
Mounting	Pedestal
Net Weight	8.00 kg
Input Power Supply	Single Phase 220- 240 V, AC 50 Hz. <input type="checkbox"/>
Product Dimension (mm)	410 L X 242 W X 580 H
Effective Room Area	Up-to 430 sq. feet
Noise (dB)	<= 54 dB (A)
CADR (Clean air delivery rate)	400 m ³ /h
Power Consumption	55 W

Spare Part List

Replacement of spare parts are as:

1. Primary Filter
2. Anti-bacterial HEPA Filter
3. Activated Carbon Filter

Note: The filters are consumables. Their replacement time depends upon the quality of air being purified. They are not covered under warranty.



HOUSE of PURITY



January, 2019



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KENT RO SYSTEMS LTD.

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Manufactured by:

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For customer complaints, contact Customer Care Officer at:

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E-mail: service@kent.co.in or Visit us at www.kent.co.in