

# What are the functions of HEPA filter on air purifiers?

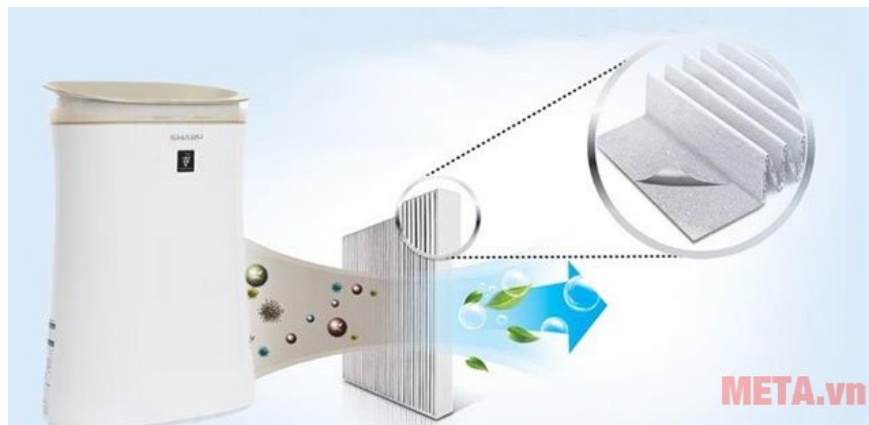
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## I. What is HEPA filter on air purifiers?

HEPA is an acronym for the phrase 'High Efficiency Particulate Air'. This phrase was originally the name of the technology to filter radioactive particles polluted by the US Atomic Energy Commission in the 1940s.

HEPA filters on air purifiers are filters that apply technology to filter radioactive particles that pollute. It is constructed as a randomly arranged fiberglass mesh with a very small fiber diameter of only 0.5 to 2 micrometers, making it easy to capture microscopic particles that conventional filters cannot catch.



## Function of HEPA filter for air purifiers

Air purifiers, when equipped with HEPA filters, will remove dust particles, contaminants and airborne particles up to 0.3 micrometers in size. Filter performance of this filter can reach 99.97%.

Most of the substances removed are pollen, bacteria, fur, smoke and asthma triggers and allergens.

In addition to the ability to remove, the filter also retains these contaminants so the room space of your family will be more clear and fresh.

## Clean the HEPA filter properly

For filters to maximize their capabilities, as well as increase durability, you should clean them periodically. However, if you do not understand the structure, how to disassemble the air filter parts, it is best not to disassemble and clean the machine yourself, to avoid damaging the HEPA filter.

During the cleaning process you need to pay attention:

1. Do not wash with water
2. Do not immerse directly in water
3. After removing the filter from the camera body, use soft-bristled brushes, brush dust and dirt off the surface.
4. If you use a vacuum cleaner, you should use a slot nozzle, adjust moderate suction force and suck in the opposite direction to the air inlet to protect the filter.
5. Absolutely do not use strong detergents for cleaning because chemicals will corrode, reducing the durability and filtering ability of this part.

## II. Top 3 household air purifiers using the most affordable HEPA filter today

### 1. Hitachi EP-A5000 air purifier - Reference price: VND 8,450,000



#### Feature of product:

1. Hitachi EP-A5000 is imported directly from Japan.
2. Suitable for use in rooms with an area of  $\approx 33\text{m}^2$  or smaller.
3. Has the function of creating moisture with a capacity of up to 520 ml / hour.
4. With humidity sensor, automatically stop humidifying if measuring humidity in the room is higher than 60%.

5. It operates at low noise levels with only 15dB.
6. Warranty 12 months

## 2. Hitachi EP-A3000 air purifier - Reference price: VND 4,300,000

### Feature of product:

1. Hitachi EP-A3000 air purifier has a compact, modern design that is suitable for all usage spaces.
2. There is an easy-to-adjust LED display panel on the right corner.
3. The 2-hour off timer function is preset so you can be more flexible when using the device.
4. In addition to air filtration, Hitachi EP-A3000 can completely remove unpleasant odors such as cigarette smells, moldy odors, bad odors from pets . thanks to the activated carbon filter behind machine body.
5. The machine has 3 functions of filter: Air Purify air filter function. Odor functions to eliminate odors (cigarette odor) and Pollen function to filter pollen and allergens.



## 3. Sharp DW-D12A-W air and humidifier (25m2) - Reference price: VND 4,450,000

### Outstanding features:

1. Integrated 2 functions are both air purifier and dehumidifier.
2. Excellent air filtration capability using HEPA filter.

3. Sharp DW-D12A-W Air and hygroscopic filters also have the ability to effectively sterilize and deodorize.
4. Create thick-density Plasmacluster ion particles that eliminate 99.9% of allergens in the air and prevent the rise of allergens, providing you with a more pleasant fresh air.
5. The machine operates smoothly with a capacity of 160W, which helps maximize energy savings for your family. This is an excellent air purifier and dehumidifier for the room with an area of less than 25m<sup>2</sup>.



By now you must have understood the use of HEPA filters for air purifiers. If you want to buy and use this product, please contact us at the hotline number below for best advice and service:

1. Hanoi: 024.35.68.69.69
2. City: 028.38.33.33.66

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