

# Learn the technology of air filtration on air conditioners today

You are wondering whether the air purifier function on air conditioners, air conditioners is effective, and you don't know what to choose. So let's find out immediately about the technology that is being applied by the companies!

In this article, TipsMake.com will help you learn more about the air filtration **technology on air conditioners** and air conditioners that are currently applied so that you can have a better overview of this product line and give make the most sensible purchase decision.

**Air conditioning**, air conditioning is an increasingly indispensable device in life to cope with the summer heat, the winter cold. Along with the development of science, technology, air conditioners are also increasingly equipped with more modern features and utilities, including the ability to purify and clean the air.

Currently, air conditioner and air conditioner companies are applying air-cleaning technologies based on **passive filtering** (using filters) or **active filters** (such as using negative ions) or **a combination of both. mechanism** to help eliminate many harmful health effects such as dirt, allergens, bacteria, viruses, unpleasant odors . In addition, many models can be equipped with additional **types of layers. Special coating** to prevent dirt, mold . clinging to parts of the machine or integrated with **automatic cleaning function** to prevent mold, bacteria from growing inside the machine to ensure air is put out The room is always clean and fresh.

Air-cleaning technologies on air conditioners and air conditioners are diverse, not only will each company usually have its own proprietary technology, but even different models of a firm can be applied to technologies. different.

Therefore, in order not to be confused among the numerous **air-conditioners** , **air conditioners** currently available, let us help you to summarize which air purification technologies are being applied. !

## Air filtration technology on common air conditioners and air conditioners

1. Panasonic air purifier
2. Daikin air-conditioning
3. Toshiba air conditioner purifier
4. Air-condition filter Mitsubishi air
5. Air conditioner with Sharp air filter
6. Air conditioner clean Samsung air
7. LG air conditioner

8. Electrolux air purifier
9. Air conditioner with Gree air purifier
10. Air conditioner cleans Nagakawa air
11. Sunhouse air-conditioning function

## Air filtration technology on common air conditioners and air conditioners

### Air filtration technology on Panasonic air conditioners and refrigerators



If you choose **Panasonic air conditioner with air filter function** , you will have the opportunity to experience **nanoe™** technology with **nanoe-G** and **nanoe™ X** generations, in which:

1. **Nanoe-G technology** : Plasma discharge system every second will release **3 trillion negative ions** of size 1 - 2nm to remove PM2.5 fine particles, bacteria, viruses and molds in the air; neutralize bacteria, viruses, prevent mold growth and deodorize adhesion on surfaces; neutralize bacteria and viruses in air-conditioning filters.
2. **Nanoe™ X technology** : Electrostatic **atomization** system every second releases **4.8 trillion OH radicals** of size 5-20 nm with the ability to disrupt odor, convert protein of virus, convert protein of allergens . to eliminate many unpleasant odors such as cigarette smoke, sweat smell, pet smell, wet smell . and inhibit bacteria, viruses, fungi, dust mites, allergens application .

### Air filtration technology on air conditioners, Daikin air conditioners



With **Daikin air-conditioner** product line **with air purification function** , there is usually a combination of 2 types of air filters to filter dust and harmful agents, and to remove odors in the room space, specifically. :

1. **Air Filter** : This filter will remove harmful airborne particles such as dust, smoke, pollen, bacteria, viruses. If you want to remove PM2.5 dust or fine particles, you can choose the **PM 2.5 filter** .
2. **Titanium Apatite Photocatalytic Air-Purifying Filter**: This filter uses **the high-grade titanium apatite photocatalytic material** to absorb and remove dust, allergens and airborne odors.

In some products, Daikin has retrofitted **dust scanning on the pre-filter automatically** after the air conditioner stops to maintain the filter's best performance.

### **Air filtration technology on air conditioners, Toshiba air conditioners**



On **Toshiba air-conditioner** , you will experience comprehensive and modern healthcare solutions with:

1. **High-performance anti-mold filter mesh** that filters airborne dirt.
2. **Plasma ion generation process** helps to positively charge the dirt particles, which are then attracted to the absorption boards.
3. **The heat exchanger system adopts Magic Clean Air technology** that absorbs and removes dirt (including microscopic dust particles that the filter cannot filter) through the drainage.

4. **The ionization system** deactivates odor molecules, cigarette smoke, bacteria with negative ions and produces water molecules to increase skin moisture.
5. **IAQ Pro air purification technology** combines **Leuconostoc enzyme** , **silver crystals** and **PM2.5 dust filter** to limit the growth of bacteria, viruses, prevent mold formation, kill odor-causing bacteria , absorption and decomposition of ammonia, smoke, food odors . and remove dirt, including fine PM2.5.

In addition, Toshiba also incorporates **Magic Coil technology** to prevent dirt, mold, bacteria from attaching to aluminum foil and **Self-Cleaning function** to remove moisture in the machine, avoiding mold growth. born in air-conditioning indoor units to improve the efficiency of indoor air purification.

## Air filtration technology on Mitsubishi air-conditioners



With models of **Mitsubishi air-purifying feature** , depending on the model, you can experience a variety of air filters with different deodorizing and antibacterial features, including:

1. Easy-to-disassemble, hygienic **anti-mold** filter helps filter dust, pollen, allergens.
2. **Anti-allergy Enzyme filters** filter viruses, bacteria, dust, pollen and many other allergens and decompose them with artificial **green enzymes** .
3. **Nano Platinum filter** has a 3-dimensional wavy design that increases the air filter range combined with micro- **particles Platinum Ceramic** to filter air, antibacterial, deodorize, ensuring dust collection efficiency and pollutants. other atmosphere.
4. **Plasma filters** discharge static electricity into the air that the air conditioner is sucking to create an electric diaphragm that kills bacteria, viruses, allergens, etc.

Many models are also applied by Mitsubishi to apply **anti-fouling coating** technology on parts such as radiators, squirrel cage fans, air outlets to ensure the machine is always clean, the airflow created is always fresh, safe for health.

**Learn** : Structure & Principle of operation of air-conditioners

## Air filtration technology on air conditioners, Sharp air conditioners



**The Sharp air conditioner comes with its proprietary Plasmacluster ion air purifier technology** . The ions released into the air will disrupt the protein structure of bacteria, mold, and create water molecules in the air, help kill bacteria, prevent mold, limit and eliminate odors. unpleasant foul . In addition, many models also give you both the **automatic cleaning** function to clean the parts in the machine, which helps reduce mold, bacteria growth, ensure air is brought into the room. always clean, fresh.

### **Air filtration technology on air conditioners, Samsung air conditioners**



Samsung has always been one of the leading brands in technology, which is why **Samsung air-purifying devices** can be applied with many different air filtration technologies such as:

1. **Virus Doctor technology** uses **negative ions** to remove up to 99% of some viruses, bacteria, soil and air allergens.
2. **3-Care Filter , Easy Filter** easy to remove, easy to clean helps remove dirt, bacteria, viruses, allergens with efficiency up to 99%.

In addition, some models of Samsung air-conditioners also have an **automatic cleaning function (self-cleaning)** to remove dust and moisture from the heat exchanger, helping the air conditioner stay dry, clean and prevent micro. bacteria and mold arises in the indoor unit, ensuring the best quality of air to the environment.

## Air filtration technology on air conditioners, LG air conditioners



**LG's air-purifying range of air conditioners** will bring you a comfortable and luxurious 2-in-1 (air-conditioner, air-purifier) ??air conditioner experience with the combination of:

1. **The smart sensor** recognizes air pollutants in real time (recognizes even microscopic PM1.0 particles) and **automatically activates the air purification mode** when indoor dust concentration is high.
2. **Features display of indoor air quality in real time** via 6 visual colors on the screen.
3. **The ion generator** releases up to **5 million ions** to neutralize air pollutants.
4. **The double membrane system** retains air pollutants.
5. **The automatic cleaning function** prevents bacteria and mold from growing on the heat exchanger.

**Review :** [Advice] Should buy a good air conditioner, air conditioner?

## Air filtration technology on air conditioners, Electrolux air conditioners

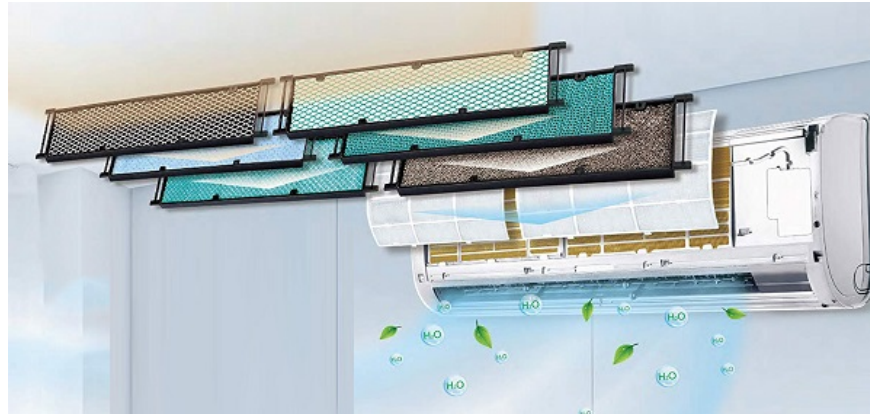


If you choose to use **Electrolux air purifiers** to use, you will also have the opportunity to experience different air cleaning technologies depending on the product model:

1. **4-in-1 filter** provides anti-fungal, anti-viral, anti-bacterial and anti-allergen resistance.

2. **HD filter and Active Plasma technology** help kill 99.9% of bacteria, remove dust and harmful substances in the air.
3. **I-Clean self-cleaning technology and X-Fan cleaning function** to remove dirt, bacteria, mold, steam and unpleasant odors.

### **Air filtration technology on air conditioners, Gree air conditioners**



With **Gree air purifying** models, you will experience an air purification system that combines:

1. **Multi-layer filter system** with filters such as **silver ion filter** , **photocatalyst filter**, **activated carbon filter**, **catechin filter** , **high-density filter**, **multi-function filter** (combining from 3 in No. 6 types of acar bacteria filter, kitin filter, vitamin C filter .) to remove dirt, viruses, bacteria, allergens, unpleasant odors.
2. **Cold Plasma function** releases ions to eliminate bacteria, unpleasant odors.
3. **X-Fan's self-cleaning function** keeps the indoor unit cool and dry so the indoor air is always clean and healthy.

### **Air-purifying technology on air-conditioners, Nagakawa air conditioners**



**Air conditioners equipped with Nagakawa brand's air purifier feature** provide an air purification system with a combination of **activated carbon filter, Bio filter, Nano Ag filter, and electrostatic precipitator Plasma**. , **vitamin C filter** helps to remove dirt, allergens, bacteria, deodorize and **keep the room oxygen level at a stable level** .

**Learn** : Should buy the air conditioner to use the best gas?

### **Air purification technology on air-conditioners, Sunhouse air conditioners**



**Sunhouse air-conditioning system** cleans the air with a **dual filter system** , including:

1. **HD filter screen** is made of metal mesh with micro filter slot to filter dust, pollen or suspended particles in the air with 50% higher efficiency than conventional filter.
2. **Cold Catalyst filter** helps prevent harmful substances such as volatile substances, ammonia,  $H_2S$  .

Air-purifying technology on the air conditioner, Sunhouse air conditioner will convert wastes into water or CO<sub>2</sub> (automatically discharged) to increase filter life, reduce the frequency of cleaning filters.

Hopefully the above share has helped you better understand the air filtration function of air conditioners and air conditioners, have an overview of the air conditioner air conditioner product line on the market today and choose a suitable most suitable for your needs.

Wish you and your family always enjoy the pleasant atmosphere and really fresh, no longer have to worry about the summer heat, winter cold or air pollution anymore!

You finished reading the article "**Learn the technology of air filtration on air conditioners today**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.