

Anti-Allergen Filters in Mitsubishi Mini-Split Heat Pump Air Handlers

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For an air filtration system to be truly sophisticated it has to be simple for you, the homeowner, to maintain and it has to consistently deliver **clean, fresh, healthy air**. Right? A catechin filter (pronounced cat-eh-kin) can protect your home from airborne allergens and pollutants—without requiring the effort or maintenance of the filters of yesteryear. This two-step, highly sophisticated filter can purify the air without adding difficult maintenance chores to your to-do list. Here’s how it works:

Stage 1: Catechin Pre-Filtration Catches Odors And Bacteria

First, a large pre-filter catches odors like pet and tobacco smells. This stage also serves another vital function — trapping and inactivating microscopic viruses and bacteria and rendering them harmless.

The secret behind the technology isn't really a secret at all: each pre-filter is thoroughly infused with catechin, an organic element found in green tea that has been used since ancient times. A natural **antiviral and antibacterial** agent, catechin is also an excellent deodorizer.

Stage 2: Anti-Allergy Blue Enzyme Filtration

After passing through the catechin pre-filter, the air reaches the anti-allergen filter fully deodorized and free of active bacteria and viruses.

During the second stage, common allergens like dust, pollen and dust mites are decomposed by artificial enzymes, which break down allergen proteins into non-allergen proteins. This complicated process involves the destruction of the undesirable proteins' S-S bonds. To put this in perspective, the filter attacks particles a thousand times smaller than the diameter of a human hair. The result is healthier, purer air – which contributes to overall health.

Stage 3: Basic Periodic Maintenance

To maintain the effectiveness of this filter, periodically, it requires some quick and simple maintenance to continue running at peak performance. The filter is easy to remove, wash and reinstall: simply open the access door, take out the screens, wash them under the faucet, make sure they dry completely and slide them back into place. It only takes a few minutes, and with this simple care, your filter can last a decade!

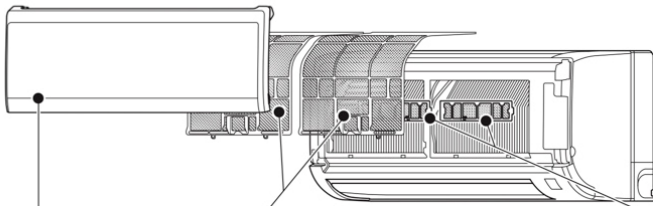
Great air filters are incredibly complex and scientific — but not on a level the homeowner ever has to worry about. The best filters work in two stages to purify the air before the unit circulates throughout your home and are easy to clean and maintain. Don't worry about air quality – use a catechin filter and breathe easy knowing your indoor air is free of airborne viruses, odors and allergens – which contributes to keeping your family healthy.

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CLEANING

Instructions:

- Switch off the power supply or turn off the breaker before cleaning.
- Be careful not to touch the metal parts with your hands.
- Do not use benzine, thinner, polishing powder, or insecticide.
- Use only diluted mild detergents.
- Do not expose parts to direct sunlight, heat, or fire to dry.
- Do not use water hotter than 120°F (50°C).



Air filter (Nano platinum filter)

- **Clean every 2 weeks**
- Remove dirt by a vacuum cleaner, or rinse with water.
- After washing with water, dry it well in shade.

What is “Nano platinum filter”?

Nano platinum is a ceramic particle that includes a platinum nanoparticle. The particles are incorporated into the filter material, which results in providing semi-permanent antibacterial and deodorizing characteristics for the filter. Nano platinum surpasses the catechin (a bioflavonoid that is found in green tea) in performance. Nano platinum filter uses this compound not only to improve air quality but also to eliminate bacteria and viruses. This air filter has a semi-permanent lasting effect even after washing it with water.

Air cleaning filter (Anti-Allergy Enzyme Filter)

Back side of air filter

Every 3 months:

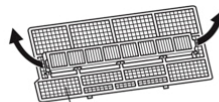
- Remove dirt by a vacuum cleaner.

When dirt cannot be removed by vacuum cleaning:

- Soak the filter and its frame in lukewarm water before rinsing it.
- After washing, dry it well in shade.

Every year:

- Replace it with a new air cleaning filter for best performance.
- Parts Number **MAC-408FT-E**



Pull to remove from the air filter