



Philips
Clean air system



AC4053

Always healthy air

with self-cleaning 6-stage CleanAir system

Continuous filter performance

- Zeolite filter cleans itself using active oxygen
- Long-lasting performance of up to 5 years
- Unique technology for high-humidity conditions (>90%)

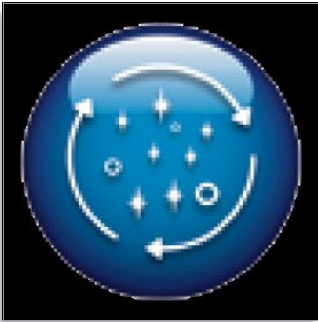
Clean air in your home

- 3-stage ElectroClean filter removes >99% of particles
- 2-stage zeolite filter efficiently removes gas and odors
- Instant bacteria and virus sterilisation
- Recommended by the British Allergy Foundation
- Recommended room size

PHILIPS
sense and simplicity

Highlights

Self-cleaning zeolite filter



The active oxygen, which is generated by the Corona particle charger, passes through the zeolite filter, where it oxidizes the trapped gases and renders them harmless. This process ensures the zeolite filter is constantly rejuvenated, extending its working life over many years.

Long-lasting performance



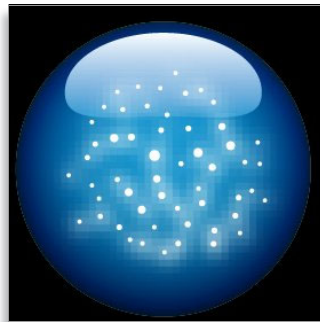
The 6-stage CleanAir system offers a long-lasting performance of up to 5 years. Thanks to its uniquely open structure, the 3-stage ElectroClean particle filter has a continuously high flow-rate. This means it can catch particles efficiently for longer without clogging up. The 2-stage zeolite filter traps gases and odours, which are subsequently oxidized by the active oxygen passing through, constantly rejuvenating the zeolite filter.

Unique for high-humidity



The 2-stage zeolite filter is made of advanced hi-grade zeolite, which, unlike many other materials, efficiently captures gases and odours without also capturing water molecules. This means it continues to remove gases and odours even under very humid conditions of up to 90% humidity.

3-stage particle filter



The 3-stage ElectroClean Particle filter works three ways. First, the pre-filter blocks larger particles, such as animal allergens (hair and dead skin) and house dust allergens. Second, the finer particles that pass through the pre-filter, including bacteria and viruses, are given an electric charge by the Corona particle Charger. Third, the Electro-Static Precipitation (ESP) particle filter attracts these charged particles to its surface and keeps them safely trapped. With average use, the cost-effective

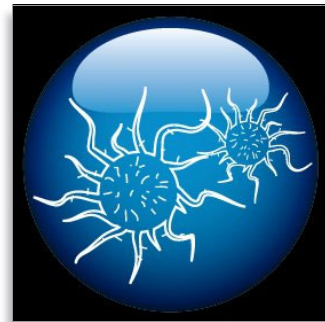
ESP particle filter only needs to be replaced once every five years.

2-stage gas and odor filter



The 2-stage hi-grade zeolite filter uses advanced Nano-Confined Catalytic Oxidation (NCCO) technology. The filter traps a wide spectrum of gases and odours and subsequently neutralizes them using the active oxygen that passes through, constantly rejuvenating the filter. Compared to the traditional activated carbon filter, this hi-grade zeolite filter performs more stably in different humidity conditions, and because it is constantly rejuvenated by the active oxygen, it has a lifespan of up to five years.

Bacteria '&' virus sterilization



The active oxygen generated by the Corona particle charger sterilizes harmful germs, such as bacteria and viruses, that are trapped in the Electro-Static Precipitation (ESP) particle filter.

Specifications

Weight and dimensions

- Product: Approx. H490 X W281 X D216 mm; 5.0Kg
- F Box: Approx. H575 x W352 x D283 mm; 6.5Kg

Logistic data

- CTV code: 8834 053 00000

Replacement

- ESP particle filter: AC4107
- Zeolite gas filter: AC4117

Technical specifications

- Voltage: 220 - 240 V

- Frequency: 50/ 60 Hz
- Noise level: < 47 (JIS compliance) dB
- CADR: > 60 ft³/min
- Particle removal efficiency: > 99 (particle size at 0.02 - 10 µm) %
- Gas removal efficiency: > 99 (run at hi speed over 3 mins inside 1m3 box) %
- Power consumption: 36 (at 220-240V~, hi speed) W
- Recommended room size: Up to 20 m²
- Operating temperature: 5 - 40 °C
- Operating relative humidity: 20 - 90 %
- Power cord: 1.8 m



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