



Home
GENESIS

Advanced air purifier

removes:

95.00% of formaldehyde

97.00% of ammonia

96.60% of benzene

95.00% of VOCs (volatile organic compounds)

99.00% of bacteria and viruses

99.99% of particulates

from areas of 30 to 40 square meters (100m³)



GENESIS HOME
CLEAN AIR SOLUTION

How healthy is the air you are breathing?

As the air we breathe, becomes more and more polluted, our quality of life is suffering. Long term exposure to air pollution sickens people. And chronic illnesses like asthma, emphysema, and other respiratory disorders have become serious problems for millions of people. Worse, according to Environmental Protection Agency, the air quality in most homes is 4 times more polluted than the air outside. Regardless to how good house-keeper you are, allergens like dust mites, pet dander, bacteria, viruses and pollen are all around us contributing to the health problems that we have today.

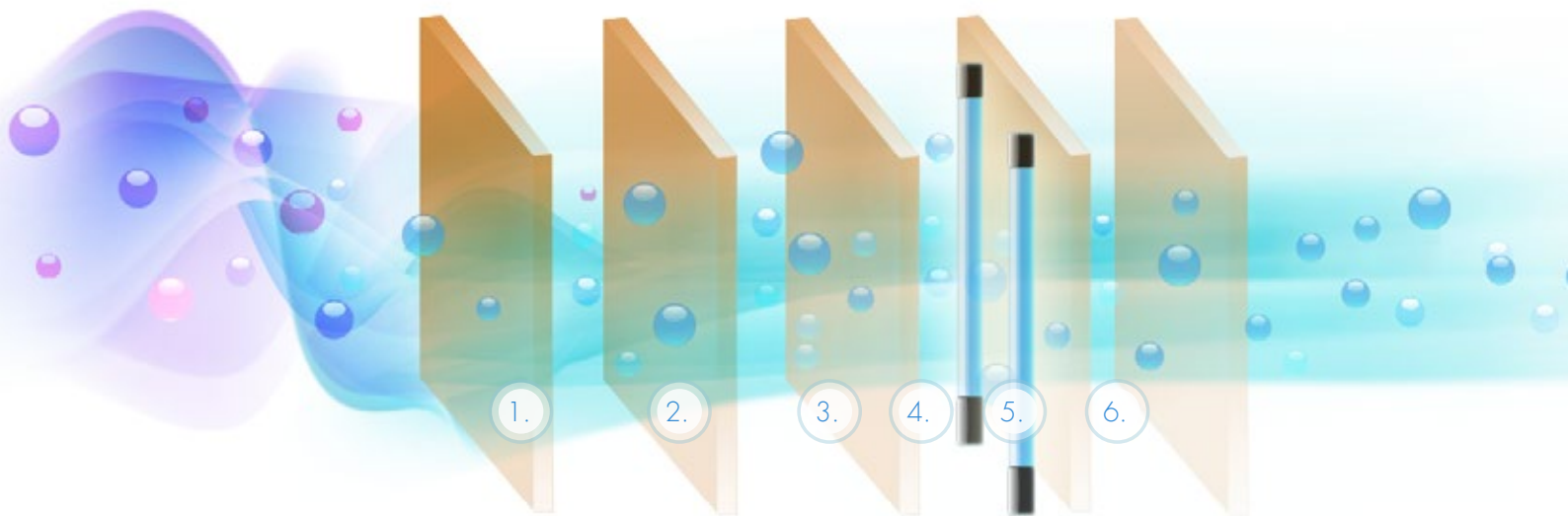
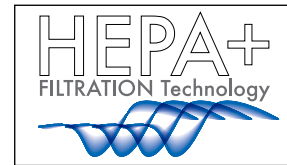
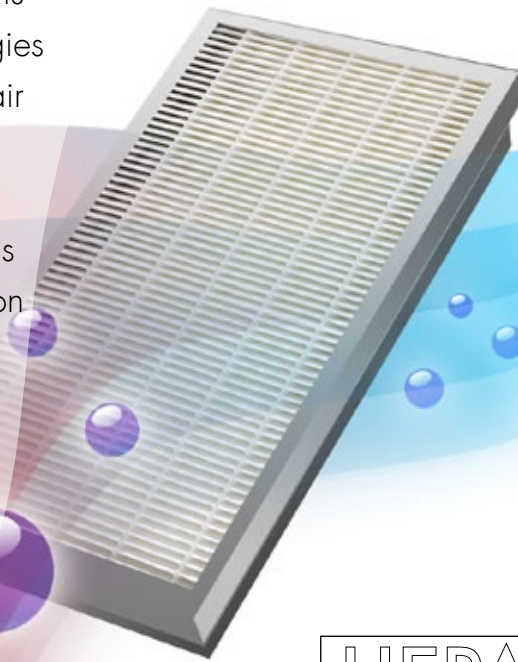




GENESIS Home – Air purifier for 30-40 m² rooms.

- Pre-filter • Activated carbon • True HEPA + • 2x UVC • PCO photocatalyst • Negative ionizer,
- Four-grade airflow adjustable: high, middle, low and energy-saving mode,
- Filter replacement indicator LED,
- Remote control operation,
- Odor sensor included,
- Timer,
- 3 timer setting for shut-down: 2h, 4h, 8h,
- LED lights indicates different pollution level,
- Speed adjusts automatically according to pollution level indicators.

GENESIS have 6-stages filtration: HEPA+ filter combined with Active carbon. HEPA, which stands for High Efficiency Particulate Air, is one of the most popular and effective technologies for cleaning air available today. HEPA causes air to pass through a specially designed filter that removes 99.97 % of all pollutants that are 0.3 microns or larger. HEPA filtration technology was developed by the US Atomic Energy Commission to filter our radioactive dust and other materials from the air. They have been proven to be very effective at removing dust, pollen, mold, dust mites, bacteria, and other allergens. Another benefit of HEPA is that once the particles are captured in the filter, they are not released again back into the air.



GENESIS air purification technology.

1. Prefilter	washable pre-filter captures lint and large particles.
2. HEPA filter	removes at least 99.97 % particulate as small as 0.3 μm
3. Activated carbon	absorbs odors and gases, and neutralizes smoke, chemicals, and fumes
4. UVC	breaks down bacteria, viruses, mold and germs
5. PCO technology	is strong air purification technology to kill virus, bacteria, germs etc.
6. Negative ionizer	helps to freshen and purify the air by causing allergens such as pollen, mold spores, dust, and animal dander to be attracted to, and to stick to nearby surfaces

GENESIS

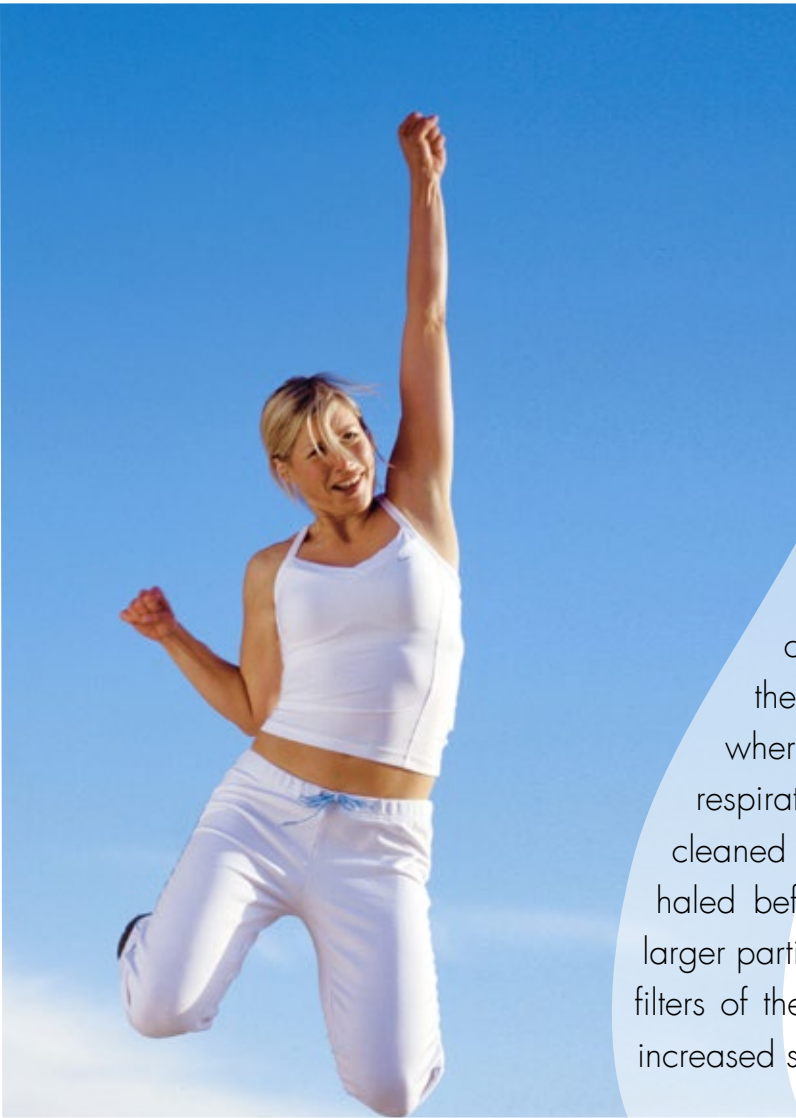
filtration system also incorporates high-energy **Ultraviolet germicidal irradiation UVGI** to kill germs, viruses, and bacteria inside the unit, which assures a very high level of protection against airborne disease transmission. UV air purifiers generally utilize a germicidal UV lamp in addition to other cleaning technologies, such as HEPA filters or ionic machines. UV air purifiers work by passing air through intense UV radiation. This radiation damages the DNA of many microorganisms which leaves them unable to reproduce. Any germ, virus, or bacteria that is unable to reproduce is then harmless to humans and pets.

PCO Technology

(Photocatalytic Oxidation)

is a scientifically proven effective and environmental friendly method for air and surface purification. When a UV light illuminates a TiO_2 coated surface a photocatalyst reaction takes place, it will produce hydroxyl radicals and superoxide ions which are highly reactive species that will oxidize VOCs (volatile organic compounds) and will kill and decompose bacteria, viruses (99.9%), molds, smoke, odor, etc. These pollutants are then transformed to harmless carbon and water.





Negative ionizer

helps 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' (because opposite charges attract). As a result, they become too heavy to remain floating in the air, and fall harmlessly to the floor, where they cannot find their way into your respiratory tract. Floor and tables should be cleaned frequently. But even so, if they are inhaled before falling out of the air, these now larger particles are able to be intercepted by the filters of the upper respiratory tract, due to their increased size.

Concentration of Negative Ions in Different Environments

Environment	Concentration *
Waterfalls	95,000 – 450,000
Mountains, seashores, breezy forest	50,000 – 100,000
Breezy country meadow	5,000 – 50,000
Cities	100 – 2000
Rooms and offices	40 – 100
Rooms with Air Conditioner	0 – 20
* Approximate Concentration of Negative Ions per cubic centimeter	

** INTERSEPT® is an antimicrobial preservative which is effective against a broad spectrum of bacteria and fungi, including odor- and stain-causing microorganisms. HEPA filter that includes Intersept is guaranteed to maintain antimicrobial-preservative effectiveness for the life of the Filter. Intersept® is registered with the EPA for use in Air Purifier and meets stringent certification standards set by the three most recognized testing protocols related to indoor environmental quality — the State of Washington Protocol, CRI Green Label and GSA Antimicrobial Certification.

** Available for GENESIS Home & GENESIS Medical

Technical Data: GENESIS Home	
Size	340 mm x 450 mm x 160 mm
Weight	5.4 kg
Rated Voltage	220-240V/50Hz
Air delivery rate	1 180 m ³ /h 49db 40 W
Noise data	2 130 m ³ /h 44db 33 W
Rated Power	3 80 m ³ /h 39db 29 W
	4 60 m ³ /h 34db 27 W
CADR (clean air delivery rate) "AHAM"	144 m ³ /h for smoke
Noise Level (Speed 4)	<49 db
Negative ions	3 million Ions/cm ³ . (at the outlet of unit)
Rated Power	40 W
UVC - Rated Power / wavelenght	2 x 2 W - 365nm
Coverage area	30 to 40 squer meters (100 m ³)
Fan speed	4 speed adjustable
Air Pollution Indication	Color LED:
filter dimensions	Pre filter: 320x 220 x 4 mm carbon : 320x 220 x 12 mm HEPA: 320x 220 x 15 mm PCO: 295x 195 x 4 mm



