



**GENESIS PRO**  
**CLEAN AIR SOLUTION**

**Pro**  
**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 area of 60 to 80 square meters ( 200 m<sup>3</sup> )



## 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 Pro – Intelligent air purifier system for 60-80 m<sup>2</sup> rooms

- Pre-filter • True HEPA + • Activated carbon • 2 x UVC • PCO photocatalyst • Negative ionizer
- Clean air delivery rate (CADR) smoke 216 m<sup>3</sup>/h, Dust 201.3 m<sup>3</sup>/h, Pollen 230.9 m<sup>3</sup>/h
- Four-grade airflow adjustable: TURBO/ STRONG/ MIDDLE/ SILENT mode,
- Filter replacement indicator
- Remote control operation
- VOC and Smoke sensors to detect the air quality and control the working mode accordingly
- Programmable timer, 1-12 hours
- Indicators for different pollution levels
- Indicator reminds the user to check filter after accumulative 3000 working hours



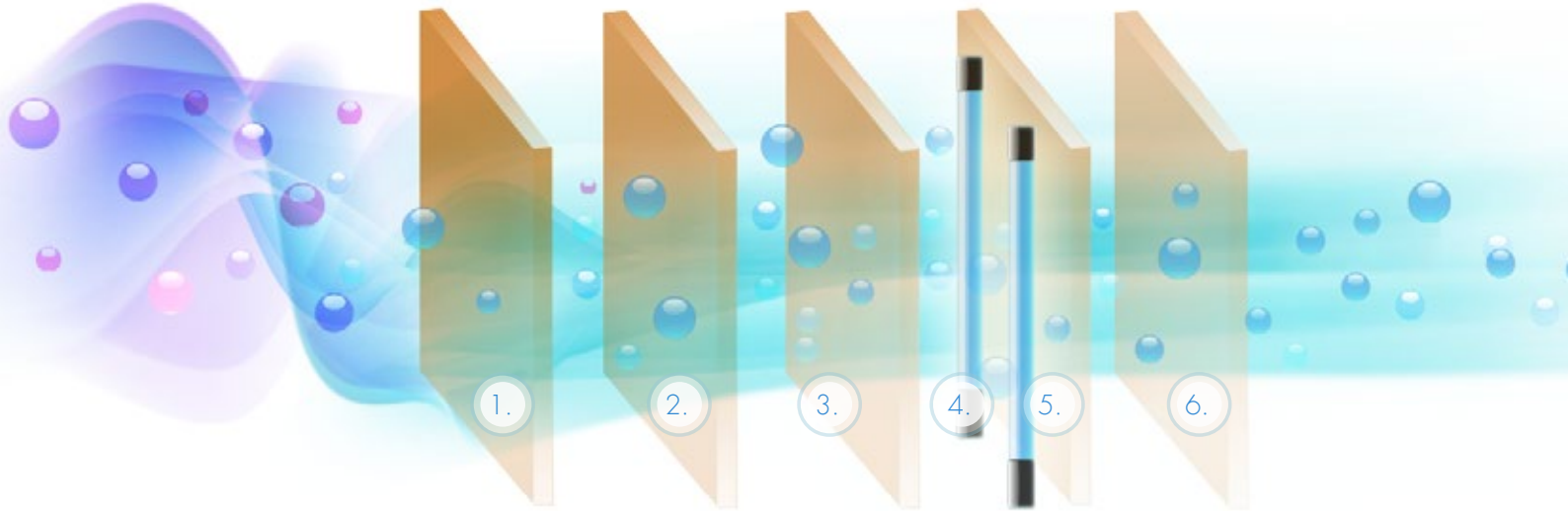
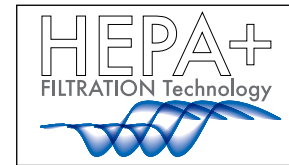
## GENESIS have 6-stages filtration:

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 $\mu\text{m}$
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 Nano TiO<sub>2</sub> 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 Pro	
size	H 559 mm B 440 mm D 209 mm
Weight	8.5 kg
Rated Voltage	220-240 V /50-60 Hz
Air delivery rate:	TURBO 500m <sup>3</sup> /h 49db 100W
Noise Level:	STRONG 400m <sup>3</sup> /h 44db 90W
Rated Power:	MIDDLE 300m <sup>3</sup> /h 39db 80W
	SILENT 200m <sup>3</sup> /h 34db 70W
Clean air delivery rate (CADR) m <sup>3</sup> /h : Turbo Mode	somke 216, Dust 201.3, Pollen 230.9
Negative ions	3 million Ions/cm <sup>3</sup> . (at the outlet of unit)
Rated Power	100 W
UV-C rate power, wavelenght	2x10 W 254 nm
Coverage area	60 to 80 squer meters ( 200 m <sup>3</sup> )
Air Pollution Indication	Different symbols to indicate the pollution levels
Filter dimentions	Pre filter: 405x 395x 4 mm HEPA/Carbon: 405x 395x35 mm PCO: 360x 260x15 mm



