

MAGiC AiR CHANGER

The Pure Energy Principles Created
by Natural Waterfalls

Air Changer Line

QWELL

Air Changer

Unlike the other air purifiers using filters, Air Changer uses Leonard Effect, the electricity in a waterfall. Negative ion, the negatively charged electricity is generated when water droplets collide with each other and the vaporized water in nano-scale size absorbs fine dust and maintains the proper level of humidity.

Products:

- Air Changer 3000
- Air Changer 100
- Air Changer 500

Air Changer 3000

The function of Air Changer 3000 is completely different from the air purifier developed by other companies so far. Unlike most air cleaners with filter exchange, it is developed by using the natural waterfall principle. This product uses the method to remove large and fine dust by spraying the water in the air through the suction device which leads to use the surface tension of water droplets. Since this method uses natural techniques such as the generation of negative ions around the waterfall, there is no harmful ozone that may be generated in other devices using electricity.

Air Changer 3000 makes the room in the same state as it is in the forest with generation of TreeOleo which has the same concentration as the forest.

In other words, it is the only device that you can take a forest bath without going into the forest.

System:

1. The indoor air is drawn into the product and gets mixed with phytoncide solution and this mixed water is blown into the space through the nozzle.
2. The phytoncide solution goes through the nozzle with the push pump to form droplets. It absorbs the dust by using the surface tension of small air bubbles to drop it to the bottom of the tank. The dropped dust is soaked in water and gets caught in the dust filter.
3. A natural negative ion gets formed around the fine phytoncide droplets emitted from the nozzle and the vaporized water droplets and phytoncide are released into the room.
The phytoncide released into the room begins to decompose on its own over time.
At this time, indoor air is purified by decomposing harmful substances around the room.
4. It is easy to see the purification period because inside of the machine is visible.

Specification:

Suitable for households and spaces that are less than 100m² (30pyeong). 510(W) X 330(D) X 775(H)

Components: phytoncide liquid 1 set of 3 liters, remote control, power cable, user's manual

*TreeOleo is a natural phytoncide oil which is extracted from domestic forest that has been fermented at low temperature for a long time to create its high quality and the soft fragrance.



Benefit:

- It releases the naturally developed negative ions around water droplets to the room.
(Negative ions created by electricity generates harmful ozone.
Especially, ozone around the newborns may cause bronchitis.)
- It passes the inhaled air through fine droplets to remove fine dust by surface tension of water droplets.
- It sterilizes the bacteria that floats in the indoor air and decomposes the harmful substances spontaneously by using the nature of the phytoncide. Phytoncide has an excellent sterilization ability.
- It is already well known that house dust mites are the major cause for atopy, asthma and other allergenic reactions. Air Changer 3000 with phytoncide device, the symptoms such as atopy and asthma can be relieved by suppressing the growth of ticks.
- There are many germs in the hospital and the most fearful one is the super bacteria in antibiotics with high resistance. The bacteria called MRSA (methicillin-resistant Staphylococcus aureus) has a weak property to phytoncide. There is a study that MRSA has completely disappeared after using phytoncide for deodorization purpose at Wythenshawe Hospital in Manchester, England. The secondary infection problem in the hospital is a very serious reality. The air in the hospital should be 100% ventilated to prevent secondary infection but most hospitals cannot afford such system due to energy cost. In this case, Air Changer 3000 with phytoncide may be a great alternative.
- Most inpatients in the hospital are in a poor state of immunity. The odor in hospitals becomes an indirect cause to lower the immunity on patients. Also, the abuse of antibiotics is another problem. Phytoncide has an excellent deodorizing ability and the natural fragrance of phytoncide stimulates the brain's immune system to activate NK cells, the natural immune cells. This process may restore the patients' immune system which leads to reduction of using antibiotics and help patients to recover quickly.
- Phytoncide has an excellent ability on removing formaldehyde, the causative agent of sick building (house) syndrome. There was a case where formaldehyde still existed after using 6 filter-type air purifiers for about 2 months which continued to cause headaches and eye stinging. However, use of 3 Air Changer 3000 eliminated formaldehyde completely within 2 weeks and the symptoms were totally gone.

Air Changer 100 & Air Changer 500

Air changer 100, the only domestic air purifier that does not require cleaning is designed for household.

Air Changer 500 is designed for digital nomads and it can be generated just with the USB power.

These products are developed to be able to vaporize the TreeOleo which is similar to the concentration of phytoncide from domestic forest and they are made to show the consumption of the TreeOleo refill liquid easily.

The vaporized TreeOleo, which is very similar to the forest concentration has the same ability as phytoncide in the forest. It increases immunity, NK cells (natural immune cells), memory and concentration. It also decreases the stress hormone cortisol which helps relieving insomnia. The air purification and deodorization occur in the space where the TreeOleo exists because of decomposition of harmful substances. It also suppresses the growth of mites which helps with reduction on allergic reactions. Especially, the increased immunity helps to reduce rhinitis and to prevent colds.

System:

1. Air Changer 100 and Air Changer 500 do not use an oscillator (oscillator is a device that blows water into the air). These products vaporize water and phytoncide completely into the air by the wind and the size of supplied substance is about 0.0001 microns which is hardly measurable. The temperature of vaporized phytoncide is lower than the room temperature.
2. New refill liquid cartridge type that does not require cleaning improves convenience.
3. You may feel the unique fragrance of phytoncide at your first try, but you will hardly feel it over time. The effect of phytoncide still remains.
4. It is designed considering space usability and noise control by minimizing the product size. It is quiet even in normal mode and you would not recognize the sound in sleep mode.

*TreeOleo is a natural phytoncide oil which is extracted from domestic forest that has been fermented at low temperature for a long time to create its high quality and the soft fragrance.



Specification:

Air Changer 100

dimension	180(W) X 180(D) X 200(H)
power usage	DC 5V / 2.5Watt
weight	3kg (include treeoleo cartridge)
evaporation amount	3mL/Hr
room coverage	23.14 ~ 43m ²
diffusion method	Evaporation with fan

Air Changer 500

dimension	140(W) X 200(H) X 193(D)
power usage	DC 5V / 1Watt
weight	2.4kg (include treeoleo cartridge)
evaporation amount	3mL/Hr
room coverage	23.14 ~ 43m ²
diffusion method	Evaporation with fan

- We recommend using the fresh natural phytoncide products within 1 month after opening.
They should not be used for more than 2 months after opening.
- If the fresh scent of phytoncide is gone, please check the remaining amount of phytoncide and replace with a new product.
- The amount of vaporization varies depending on room temperature and humidity.



Benefits:

- Improves the learning ability by **inducing the brain's alpha-wave activity, memory and concentration**
(Results from Konkuk University biology school research group)
- **Relieves stress** by reducing the stress hormone (Cortisol) in a short time
(Results from National Forestry Academy research group)
- **Relieves insomnia and fatigue** by providing deep sleep (Results from National Forestry Academy research group)
- **Sterilizes the bacteria** such as Legionella, Salmonella and Candida that are parasitic on air conditioners
(Results from Chunbuk National University research group)
- **Improves allergies and skin diseases** because of its excellent effect on pycnopenia
(Results from Chunbuk National University and Seoul National University research group)
- **Deodorizes and neutralizes the indoor food odor**, tobacco odor and other smells of elderly and patients
(Results from Chemical Test Institute)
- **Improves deep sleep, breathing and fatigue** on long-term inpatients
(Results from Hongik Hospital Mokdong-Guan research group)
- **Demonstrates antibacterial and bactericidal effects** against MRSA (methicillin resistant Staphylococcus aureus)
(Results from Chungbuk National University Veterinary medicine research group)
- **Removes formaldehyde and VOCs**, which are the cause of sick house syndrome
(Results from Ministry of Environment certified indoor measurement)
- Improves the condition on patients with **cold, rhinitis and asthma**
(Results from Catholic Medical University Otorhinolaryngology research group)
- **Activates the function of NK cell which is an immune cell that directly destroys cancer cells**
(Results from Japanese Forestry Research Institute)
- Patent applied as a **rhinitis adjuvant treatment**
(Results from Catholic Medical University Otorhinolaryngology research group)
- Patent applied as an **atopy adjuvant treatment** (Results from Catholic Medical University research group)

* The above results are from the study with phytoncide extracted from domestic forest. Treeoleo is a domestic extracted phytoncide oil and the triolio used in air changers is a high quality liquid with nano homogenization under high pressure. It is naturally absorbed into the air by vaporization and it influences the indoor air. It is hard to check the condition of filter on filter type air cleaners because the filter is invisible. Then the fan pushes the air, the accumulated dust in the filter is broken again and it passes through the filter to come out to the room.

Reference:



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추천서

본인은 최근 2 년동안 주택과 콘서트 홀을 융합한 복합 문화공간을 건축하였습니다. 완공 후 신축건물에서 '새집증후군'의 현상으로 나타나는 여러 유해 물질과 냄새를 제거하기 위하여 블루에어를 비롯한 다양한 공기정화기를 설치 운영하였음에도 불구하고 밀폐된 지하 공간에 사용된 방음재료와 인테리어 재료에서 나오는 냄새를 근본적으로 해결하지 못하였습니다.

약 3 개월전 지인의 소개로 피톤치드에 대한 정보를 듣고 ㈜큐월의 '엔포레스트'를 설치하고 작동한지 2 주만에 놀랍게도 새집의 냄새가 대부분 제거되고 두통이나 안구건조를 비롯한 많은 문제들이 해결되었습니다. 이후에도 계속하여 엔포레스트를 사용하며 쾌적한 환경을 유지해오고 있습니다. 콘서트홀을 방문하는 많은 관객 분들이 새 건물의 지하임에도 불구하고, 공기가 상쾌하고 숲 속의 느낌이 든다고 만족해 하고 있습니다.

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조미경

