



Air purification for life

LIGHTAIR 
Air purification for life



It's all about clean air – our passion is your health

LIGHTAIR improves people's health and comfort by offering the best indoor air quality products possible for every environment. Helping people to a healthy life through clean indoor air is what is truly important to us as an organization. This is not something that changes from time to time, situation to situation or person to person, this is who we are at heart.

Small particles – Worlds greatest cause of death

There is an urgent and growing health problem as a result from increasing pollution. It is mainly the small particles of PM 2.5 and below that comes from different kind of combustion such as traffic pollution, coal plants, industrial production, etc. The health problems range from severe heart and vascular disease, cancer, low birth weight, asthma, allergies, COPD to lighter daily problems such as fatigue, headache and concentration difficulties. There are also several thousands premature deaths each year caused by pollution.

Working for change and healthier air for all of us

Countries and industries must take action to improve air quality, but everyone should do what they can to contribute and most of all get a chance to learn about the risks that pollution poses and learn how to best protect themselves.

Lightair is proud to be part of the solution

Lightair is proud to be able to be part of the solution to this alarming problem and we work hard to develop air purifiers that combine efficiency, design, functionality and ease of use to provide cleaner indoor air quality and a healthier life.

Benefits of Lightair air purifier

**99,94%
particle
reduction***
(*test chamber)

Effective

Effectively removes airborne particles from dust, smoke, pollen, bacteria, virus, mould pet allergen and more. It is especially efficient removing the smallest particles below the size of 2.5 micron (PM2.5) and even more below 1 micron that are considered to be most dangerous to our health.

**Filter
free**

Filter-free

No expensive filter to replace instead a reusable collector that can be easily washed with water and washing-up liquid when needed.

**Completely
silent**

Silent

Less than 5 dB. For reference; according to the EPA a level of 45 dB indoors is identified as preventing activity, causing interference and annoyance. Most other air purifiers have a noise level of 35-80 dB.

**Energy
efficient**

Energy efficient

Uses less than 7W per hour, which is much less than most other air purifiers. The energy consumption is highly relevant as all air purifiers should be turned on at all times to efficiently keep the particle concentration down.

**Ozon
free**

Ozone free

The ozone level is not even measurable and thus considered to be equal to zero. This is the first time, as far as we know, that anyone has managed to obtain a high emission of negative ions and thus a very efficient air cleaning capacity without producing ozone as a bi-product!

**Award
winning
design**

Award winning design

An object of desire! Lightair air purifier has earned several prestigious design awards, among others the International Design Excellence Awards (IDEA). It offers you a stylish alternative to typical industrial looking air purifiers.

**Easy to
use and
maintain**

Easy to use, assemble & maintain

Just plug in and let it work for you around the clock. Only four main parts to assemble and no moving parts that can break down! The collector that attracts the particles is easily removed and cleaned with water and washing-up liquid when needed.

Compact

Compact

Small & moveable. Fits into any environment.

**Environmentally
friendly**

Environmentally friendly

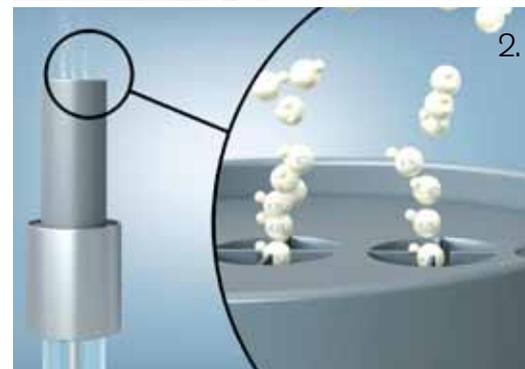
Lightair strives to respect the environment at all stages of the product life cycle.

How it works

1. The indoor air is full of particles that come from yourself, your surroundings and your daily activities such as bacteria, virus, mold, pollen, car exhaust, dust, etc.
2. Lightair air purifier generates billions of electrons per second that transforms into negative ions.
3. The negative ions charge the particles in the air negatively.
4. Once the particles have been negatively charged they are attracted by the positively charged collector which essentially acts like a large magnet for dirt. Lightair air purifier is especially effective in removing the smallest particles in the air, which are considered the most hazardous to our health.
5. When necessary, the collector can be easily removed, rinsed in water and then reused.



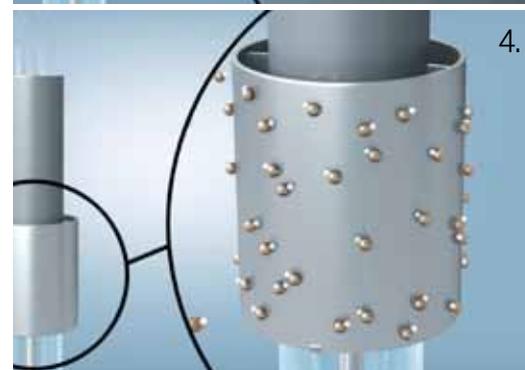
1.



2.



3.



4.



5.

Lightair leaves the air clean and healthy

LIGHTAIR effectively removes particles in the air and is especially efficient in removing the smallest particles that are considered to be the most hazardous to our health.

Catching PM2.5 and below

Small particles, below the size of 2.5 micron (PM2.5) and even more below 1 micron, are inhaled deeply into our lungs, entering our blood stream bringing also other substances into our body.

Small particles - World's greatest cause of death

More over approximately 90% of all particles in the air are below 2.5 micron and can because of their size stay airborne for a very long time. These particles are today considered to be a major cause of heart-and vascular disease, different forms of cancer as well as a serious aggravating factor to allergy and asthma reactions. Also less serious symptoms such as headache, fatigue, etc are the result of high concentration of small particles in the air.

Bacteria/Virus



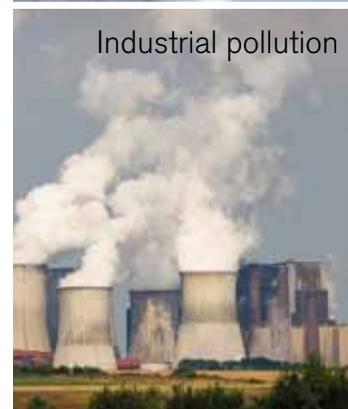
Pet allergen



Smoke



Traffic pollution



Industrial pollution



Mold



Pollen

This is my experience of Lightair air purifier

Life changing.

"Since my early teens I have suffered with seasonal hay fever. From my early 20s also the complication of asthma attacks disrupting my sleep on frequent nights throughout the summer months unless I medicated. Earlier this year we purchased Lightair air purifiers for our bed- and living rooms, and for the first summer in nearly 30 years, I have not yet had a nightly attack. And my hay fever symptoms, even at high pollen counts, are more or less gone. I have now gone through the best part of the pollen season and have had no need for medication what so ever. I'm in no doubt, that this is due to the air purifiers.



Another great plus. The Lightair air purifier in the bedroom replaced an old fan driven hepa filter purifier. Needless to say, the noise from the machine was not the best to induce a good night's sleep. The Lightair air purifier is silent!

So all in all a combination of uninterrupted deep sleep and being medicine free has brought to me a greater energy feeling throughout the day. Thank you for this fantastic natural alternative. I hope my testimonial will help others seeing what a great investment in health this product can be."

Jeannette Petersen (Denmark)

Just fabulous!

"I have bought one a few months ago and it is just fabulous. It delivers what it promise and it has the design I like. My daughter suffers from quite bad allergy and has trouble to just get some good sleep through the whole night. After a week we started to see things collected on the metal thing (filter) and our daughter slept the whole night for the first time in years. After a few weeks we cleaned it the first time and shot it off just to see what would happen with our daughters sleep. 2 days later she started having the same trouble as before. We turned it on again and after that she sleeps much better again."

Veronica (USA)

I will never live without air purifiers again.

"The Lightair air purifier has totally improved the whole family's health. My son used to suffer badly with Rhinitis which has improved two fold. My husband suffers much less with his sinuses and I am relatively migraine free. The air is easier to breathe and cooler with that just rained feel. I'm always amazed when I clean the collector at just how much filth it takes out of our air. I have air purifiers in every room and I recommend the Lightair air purifier to all that visit and are attracted by its innovative design. I will never live without air purifiers again and this air purifier is an attractive, simple, effective, reliable example of a top of the range air purifier."

Sara Cuff (United Kingdom)



The people on the photos are not related to the text.

Lightair improves people's health and comfort by offering the best indoor air quality products possible for every environment.



Style

Delivers with an eye catching beauty cleaner and healthier air! Style has clean lines and a slim silhouette that offer consumers a stylish alternative to industrial looking air purifiers. It has been awarded prestigious international design awards such as Elle Décor Rising Star Award, International Design Excellence Award (IDEA) and Design Defined. Third party tests show that it effectively removes the smallest particles (even below PM 2.5) that cause the most severe health problems. Style offers a combination of efficient, silent, ozone free, energy saving and easy to use, economical operation that is at home in any environment independent of life style or interior design - a perfect balance between blending in and standing out. Place it on the floor or on a low side table!

Facts Style

Dimensions: 7,5x26 inches/19x66 cm

Weight: 6,2 lbs/2,8 kg

Mounting: Floor

Room size: 540 sq ft/50 m²

Energy consumption: 7W

Noise level: 5dB

Ozone: 0 ppm

Decoration lights: Yes

Protective guard: Yes



Signature

Utilizes the exquisite design form from Style, but with a new sophisticated appearance with natural amber color and a wood grain finish that will be a stylish solution for classic homes. The discreet amber decoration light give a warm and classy feeling. Signature efficiently eliminates the smallest and most harmful particles (even below PM 2.5) that cause the most severe health problems. Signature offers an efficient, silent, ozone free, energy saving and easy to use, economical operation for every classic home in the world!

Facts Signature

Dimensions: 7,5x26 inches/19x66 cm	Noise level: 5dB
Weight: 6,2 lbs/2,8 kg	Ozone: 0 ppm
Mounting: Floor	Decoration lights: Yes
Room size: 650 sq ft/60 m ²	Protective guard: Yes
Energy consumption: 7W	



Evolution – NEW PRODUCT

Evolution is the latest tabletop version for home and office. There has been vast improvements in user-friendliness, functionality, materials and design. It is higher than the Surface model and a little shorter than the Style model. It stylishly delivers cleaner and healthier air efficiently eliminating the smallest and most harmful particles (even below PM 2.5) that cause the most severe health problems. Also, recent scientific studies proves the IonFlow technology efficiently removes and inactivates influenza virus. Evolution offers the same efficiency of a HEPA filter based air purifier, but without the noise, expensive filter change and high energy consumption. It fits perfect on a table, on your work desk or even on the floor.

Facts Evolution

Dimensions: 7,5x23 inches/19x59 cm	Noise level: 5dB
Weight: 5,9 lbs/2,7 kg	Ozone: 0 ppm
Mounting: Table/floor	Decoration lights: Yes
Room size: 540 sq ft/50 m ²	Protective guard: Yes
Energy consumption: 7W	



Surface

With excellent performance and features Surface efficiently eliminates the smallest and most harmful particles (even below PM 2.5) that cause the most severe health problems. Also, recent scientific studies proves the IonFlow technology efficiently removes and inactivates influenza virus. Surface offers an efficient, silent, ozone free, energy saving and easy to use, economical operation. Lightair revolutionizes the portable air purification industry by featuring technological functionality and sustainable manufacturing together with stylish design. Surface is a great example of how you can combine manufacturing and style. With its transparent molded stand that is approx. 4 inches/10 cm shorter than the Style stand it fits perfect on a table, on your work desk or even on the floor.

Facts Surface

Dimensions: 7x22 inches/18x56 cm	Noise level: 5dB
Weight: 5,7 lbs/2,6 kg	Ozone: 0 ppm
Mounting: Floor/table	Decoration lights: Yes
Room size: 540 sq ft/50 m ²	Protective guard: Yes
Energy consumption: 7W	



Solution – NEW PRODUCT

Solution is Lightair's new ceiling mounted air purifier. It is the ultimate compact ceiling mounted air purifier suitable for any environment where you need it off the floor, such as in schools, nurseries, clinics, etc or where you have a limited space. The aesthetically pleasing canopy has the same clean lines as the unit itself, and boasts a pull-down feature for maintenance and cleaning. Solution is just as easily mounted as a light fitting. It efficiently eliminates the smallest and most harmful particles that cause the most severe health problems and it does it without a sound and with low energy consumption and no filter change. Also, recent scientific studies proves the IonFlow technology efficiently removes and inactivates influenza virus.

Facts Solution

Dimensions: 5x14 inches/13x35 cm	Noise level: 5dB
Weight: 4,8 lbs/2,2 kg	Ozone: 0 ppm
Mounting: Ceiling	Decoration lights: No
Room size: 540 sq ft/50 m ²	Protective guard: No
Energy consumption: 7W	

Lightair air purifier in focus

1. Ion generator & corona needles

The ion generator is the heart of the IonFlow 50 with its patented technology that enables an efficient reduction of the smallest and most harmful particles. The enormous amount of negative ions is generated from the three corona needles situated on the ion generator.

2. Collector

The positively charged aluminum collector attracts the negatively charged particles and leaves the air clean. Since the collector is easily cleaned in water there are no expensive filters to replace.

3. Protective guard

If you are worried that you or those around you may find the mild and harmless electric charge unpleasant when touching the collector you can use the protective guard. Please note that this is not required from a safety perspective. Lightair has all certifications needed according to international standards.

4. Decorative lights

The decorative LED-lights of model Signature, Style, Evolution and Surface are independent of function and can be turned on/off at any time. The product is delivered with blue lights, but you can buy additional colors and thereby easily change depending on season, mood and interior decoration.

5. Stand

The Style and Signature models are supplied with a taller hand-made and perfectly cylindrical stand in transparent acrylic. It has a high design effect and stylish appearance. The Surface model has a shorter molded stand in flawless transparent plastic. With its more compact form it fits perfectly on a tables. Evolution is just between Signature and Surface in height and fits just as well on a table as on the floor. The proportions of Evolution is just perfect!



Lightair in any environment

Home

We spend approx 50% of our time at home including the vital hours of sleep every day! A healthy home environment is therefore fundamental for our long term health. Our home environment contains many sources of pollution. Lightair IonFlow 50 is small and compact to fit well into every home and is a great investment for a good night sleep!

Workplace

We spend approximately 40% of our time at work! Often there are many people at a limited space, which means many sources of pollution. Add different sorts of workplace related pollution particles from machines, computers, product handling process, etc. In most parts of the world we have a growing problem of people reporting sick leave costing companies and society money. Lightair IonFlow 50 can be part of solving this problem and help you stay healthy and efficient at work!

Public

The number of children suffering from asthma and allergies is steadily rising. Groups in school and daycare are often large and lessons long and many times the buildings have poor indoor air quality. Similar conditions exist in retirement homes and other public areas. Also public areas are perfect places for spreading virus and bacteria. Lightair IonFlow 50 protects children from an unhealthy environment and reduces the risk of allergy and asthma!

Hospitality

Hotels, restaurants, gym, spa's, etc are meeting points where guests and staff are exposed to a steady infusion of pollution particles. It is essential for these establishments to offer the best experiences possible. Lightair IonFlow 50 can provide a great added value for every guest, visitor or employee.

Medical

Medical environments such as medical and dental clinics, laboratories, etc have a high exposure to bacteria and virus. Patients, staff and visitors are at higher



contamination risk than normal. Also the staff comes in constant contact with chemicals and allergens in their every day work. Lightair is great for doctor's office, examination rooms and waiting rooms to reduce the contamination risk for staff, patients and visitors.

Industry

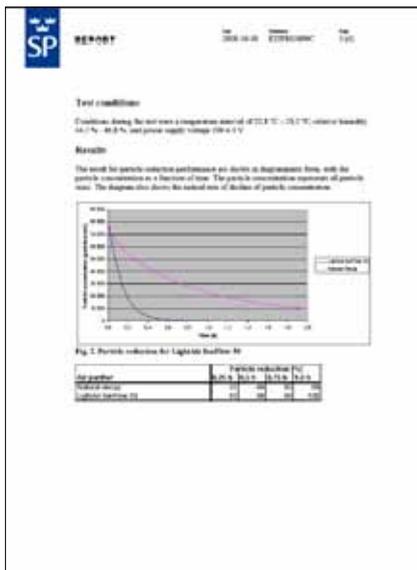
There are many areas of industry that either suffer from polluted indoor air or are in need of a sterilized environment. Examples of industrial environments that might be in need of air purifiers are food storage, production facilities and warehouses.

World wide tested and approved

Lighair IonFlow Technology – Innovative with top performance
 LIGHTAIR air purifier is based on a revolutionary and unique technology and is showing remarkable performance in particles reduction tests of different kinds. The extraordinary performance is mainly due to the ability to generate an enormous amount negative ions, to efficiently collect particles from the air and thus attain a very efficient air cleaning. As far as we know no other air purifier has never before reached this high number of negative ions without serious side effects such as generation of dangerous amount of ozone.

Compared to traditional air purifiers Lightair is not moving air through a filter to catch the particles, but instead it is moving the actual particles out of the air to a collector with only the natural airflow in a room.

Swedish National Testing and Research Institute (SP) – Particle reduction test
 SP (Part of the Swedish Government, Ministry of Industry) has tested a number of the market leading air purifiers in regards to their particle reduction performance of small particles. The test verifies that Lightair air purifier efficiently removes practically all airborne particles. It is actually as good as one of the market's best HEPA filter based air purifier, but without the noise, energy consumption and expensive filter change!



VTT RESEARCH REPORT No. VTT-S-07042-07 (1)

Requested by: LightAir AB, Box 6049, 771 96 Solna, Sweden

Order: April 16, 2007 (Oraan Wikström)

Handled by: Matti Lehtimäki, VTT Technical Research Centre of Finland, P.O. Box 1300, FI-33101 Tampere, tel. +358 20 722 3250, Matti.Leh@vtt.fi

Ozone generation of LightAir ionizer

Test method: The ozone generation of the LightAir ionizer provided by LightAir AB was studied in a 24.6 m³ test room (3.45 m x 3.80 m x 2.02 m) equipped with a ventilation system which provides a controlled air change rate of 0.5 air changes/h. The supply air flow was filtered with an activated carbon filter in order to eliminate the effect of minor ozone concentration in the unfiltered supply air flow.

The test included the measurement of the steady-state ozone concentration in the test room, i.e. ionizer was operated several hours in the test room and the ozone concentration was registered continuously to determine the equilibrium ozone level. The measurements were made with Environment s.a G41 M ozone meter.

Results: According to the measurements the steady-state ozone concentration in the test room operated with 0.5 air changes per hour was below the detection limit of the measurement instrument (0.002 ppm). This is an indication of negligible ozone generation of the LightAir ionizer.

Tampere, August 16 2007

Technology Manager: *[Signature]*
 Chief Research Scientist: *[Signature]*
 Matti Lehtimäki

APPENDICES: -

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The first ozone free ionizer
 Test reports from several third party governmental testing institutes such as SP in Sweden and VTT in Finland has proved the IonFlow 50 to be ozone free. Ozone has always been a side effect of ionization meaning the higher ion generation the higher the ozone level. This has resulted in inefficient ionizers in order to respect the threshold value of ozone. Lightair is as far as we know the only one who have been able to solve this problem and can attain an extremely high amount of negative ions without any ozone!



Lightair removes 88% of all mould and spores in only 3 hours
 BDSF accredited test institute proves Lightair removes 88% of mould and spores after only 3 hours! The test was conducted in a real life environment to simulate reality situation. The illustrative petri dishes clearly show us the remarkable effect of using Lightair air purifier in mould environments.

Lightair prevents spread of influenza virus

A recently published research has been carried out since 2007 by scientists at the University of Linköping and the Karolinska Institute, Stockholm, Sweden stating that a novel ionizing device which actively collects particles from the air by electrostatic attraction, driven by the unique IonFlow technology like the Lightair IonFlow air purifier, is proven for the first time to effectively prevent the spread and infection of airborne transmitted influenza virus!

Animal experiments using guinea pigs show that none of the guinea pigs, exposed to infected animals, became infected when the ionizer device was turned on, whereas three out of four exposed animals became infected when the ionizer was turned off. The study proves that the unique IonFlow ionizing technology can be used to capture and eliminate a wide range of epidemiologically important viruses and other pathogens from the air.



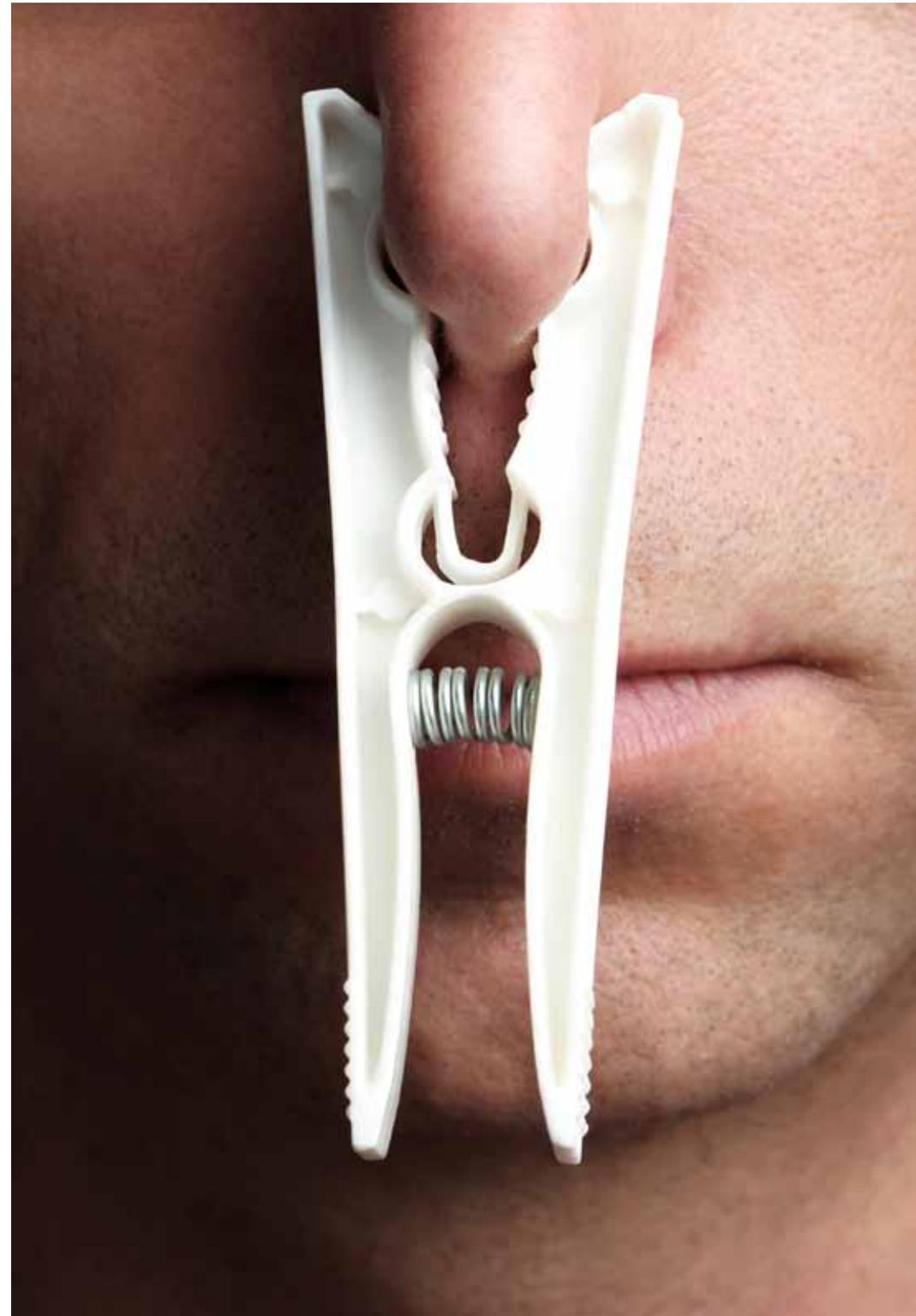
Negative ions – Proven positive health effects

Besides the air cleaning capacity of the Lightair purifier, it creates an environment with very high quantities of negative ions in the air. French physicist J Bricard discovered the relation between the electric state of the air and its micro pollution as early as the 50's. The physical law of Bricard is simple: Low concentration of negative ions in the air equals pollution. High concentration of negative ions equals healthy air. There has been extensive research conducted in many fields of science of the general effects of negative ions. The results show a large number of positive effects on overall health.

Odours and Lightair air purifier

Odours of smoke, mold, urine, sweat, traffic, etc can be very unpleasant and difficult to deal with. When odours spring from tiny particles Lightair purifier handles odours very efficiently. When particles turn into gas the air purifier has a limited ability to handle these in a larger perspective. Some examples illustrate this very well: Smoke create an unpleasant smell that most of us wish to avoid. Lightair efficiently remove smoke particles and thereby also the unpleasant smell. Another example is mold. Lightair handles mold spores very well and is also preventing growth of mold. In this way Lightair removes the source of smell and thereby also decrease the smell itself.

Please go to www.lightair.com to read the complete reports mentioned above.



About Lightair

Benefit from 25 years of extensive research

LIGHTAIR was founded in 2004 in Stockholm, Sweden, through a joint venture between Swedish Vitalair and Swiss Purocell.

This constellation forms a solid foundation based on more than 25 years of experience within air cleaning. The company controls two patented technologies, IonFlow and CellFlow. This revolutionary technological tool box creates invincible possibilities to quality applications that will improve indoor air quality in environments like households, offices and schools as well as laboratories, high-tech industry, food production and entire buildings.

Lightair stands for innovation, quality and design. Through extensive and ongoing research we work to develop efficient, functional and well designed applications.

Today

Lightair has established successful distribution in Europe, Asia and North America and is now working on development of new innovative and stylish products whilst growing larger on every market.



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