



**ZONAIR3D™**  
PURE AIR, JUST BREATHE



Buildings

**Zonair3D™ seeks to create pure air, become a lung for our cities and improve people's quality of life.**

# PURE AIR, JUST

ZONAIR3D is a Spanish company established in all 5 continents whose objective is to develop air purification systems.

In partnership with the best institutions and scientific research centres, we have developed air purification systems aimed at providing responses to latent requirements in fields such as health, welfare or construction among others.

In order to win the trust of our clients, all our products are certified by official standards and clinical studies published by leading doctors in their field.

We are passionate about creating pure air and improving quality of life; from schools to offices and industry to public spaces, such as shopping centres, cinemas, car parks, swimming pools and, naturally, our homes. Zonair3D™ has designed a range of products tailored to suit every need.

# BREATHE



## WELL-BEING AND QUALITY OF LIFE

**Air pollution** has been recognized as a major **health problem** affecting everyone, but primarily the elderly and the children. Moreover, **direct associations** have been found between **pollution** and **respiratory symptoms**, asthma exacerbations, lung growth and development of asthma.

According to the **World Health Organization**<sup>1</sup>, combustion by-products, and those emitted by furniture and building materials have effects on our **respiratory system** (lung function changes, breathing symptoms, sensitivity of the respiratory tract, and respiratory infections). WHO also states that formaldehyde and volatile organic compounds in cleaning products, electronic devices and building materials, as well as gases from traffic have irritant and **inflammatory effects on the skin and mucous membranes**, and they also affect the central nervous system. WHO also says that dust, mite and other allergenic agents have **effects** on the **immune system** and can lead to asthma, rhinoconjunctivitis, alveolitis, hypersensitivity, pneumonitis and lung damage.

That is the reason why **reducing exposure to pollution**, will not only produce adults' **health improvements**, but, as WHO<sup>2</sup> reports, for children it can mean a decrease in hospital admissions for respiratory complaints, a lower prevalence of bronchitis and respiratory infections, improvements in lung function and, definitely, a **better health**.

**Zonair3d's air purification system reduces** the exposure to **air pollution**. Thus, it **improves health** of both healthy people and of those suffering any respiratory disorder or disease, offering the benefits mentioned before. Additionally, as the pilot study conducted by Dr. Anna Cisteró<sup>3</sup> in 2012 demonstrates -on the effect of pure air on asthma and allergic rhinitis,

a **month** after applying the pure air treatment with **Bubble | Pure Air**, **significant** values measuring the **life quality** in asthma and rhinitis are already observed in the participants involved.





ZONAIR3D® | PURE AIR, JUST BREATHE

## BRING YOUR FAMILY CLOSER TO PURE LIVING

Zonair3D™ transforms spaces into pure atmospheres, creating exclusive surroundings, an oasis of purity and well-being. It converts your space into a lung for your city.





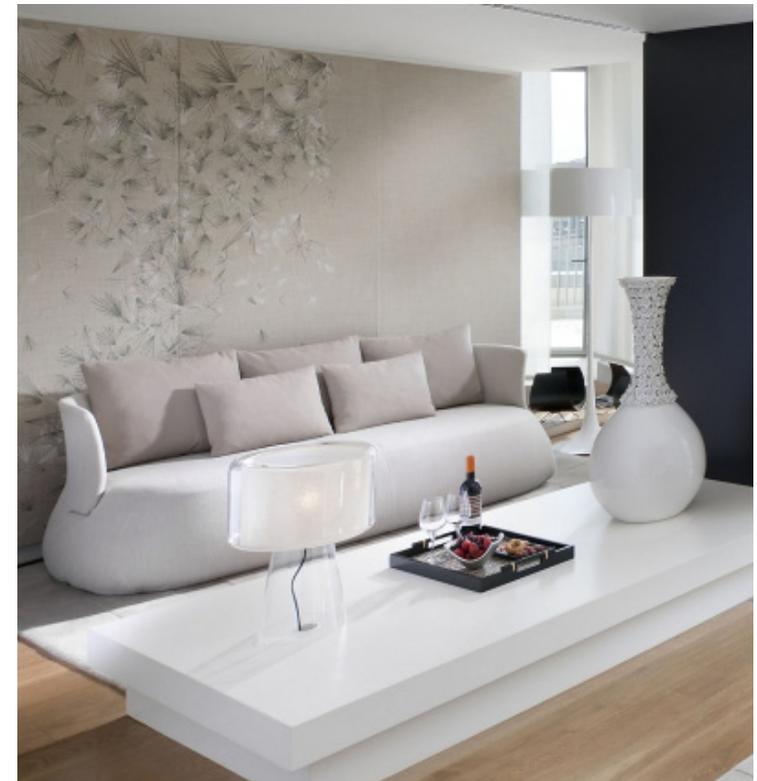
## EMISSIONS

Indoor pollution is the result of the combination of physical, chemical and biological factors, as well as specific ventilation criteria.

Indoor pollution sources come from external pollution, but also biogenic emissions as a result of the human activities carried out inside, ventilation and air conditioning systems, as well as cleaning products, materials and furniture in the building.

The latter, as part of interior design and decoration, as well as the cleaning process of the building, can be divided into four groups:

- 1) **Wet products:** paintings, solvents, varnishes, adhesives, fillers, sealers, etc. They emit mainly while wet, but can keep on emitting for the first ours or days after being applied. Some of them may even last for months and years.
- 2) **Dry products:** wood, textile materials, floor and wall coatings. The peak for emissions is when being unwrapped, but melamine and those coatings containing formaldehyde resins can emit for years.
- 3) **Collectors:** wood, paper and textile products can retain some components in the air, such as odors, cleaning products and volatiles compounds, and emit them back to it when conditions are favorable (temperature changes or ventilation may have an influence in favoring the emission).
- 4) **Cleaning and preserving products:** all of them emit compounds having an influence in the air quality.





## SOLUTIONS AND BENEFITS

"Sweet home."

"Relax and let yourself be taken care of."



### APPLICATIONS

- Rooms
- Living rooms

### BENEFITS

- The **longer** you breathe pure air, the **greater** the benefits.
- **Faster** and more **efficient physical recovery** and **mental oxygenation**.. Longer and better rest.
- A **better air quality** improves performance and rest.
- It improves respiratory diseases.
- It **regenerates** the **respiratory pathways**. Do you have any respiratory allergy or asthma. Then this is your sanctuary.
- **Bacteriological and allergenic-free spaces** (for example, mites)
- It **reduces** the dispersion of **gaseous pollutants** coming from materials and cleaning products
- It **reduces odour** problems.



## RECOMMENDED PRODUCTS

### PORTABLE PRODUCTS

AIR+ 600i & AIR+ 300/430 "S" are air recirculation units aimed for professional and home use. They filter and purify polluted air transforming it into **pure air, free from contaminating particulates and ozone**, and with a reduction of toxic, irritant and carcinogen gases to comfortable limits.

#### AIR+ 600i



AIR+ 600	AIRFLOW (m <sup>3</sup> /h)	DIMENSIONS (LxWxH / mm)	MAX.ABSORBED POWER (W)	REQUIREMENTS	WEIGHT
	500	596 x 553 x 772	169	230 / 50-60	50

#### AIR+ 300 /430 S



AIR+ 300-430 "S"	AIRFLOW (m <sup>3</sup> /h)	DIMENSIONS (LxWxH / mm)	MAX.ABSORBED POWER (W)	REQUIREMENTS	WEIGHT
	332 / 430	382 x 380 x 791	87 / 165	230 / 50-60	30



## RECOMMENDED PRODUCTS

### AIR PRO Range

**Air Pro range** is an innovative air purification system that brings pure air to building interior. With a wide range of flow rates, Air Pro purifies the air in indoor spaces without being seen.

#### AIR PRO 100/300



#### AIR PRO 500/3000



PRODUCT RANGE	FLOW (m <sup>3</sup> /h)	DEVICE MEASURES (H x W x L / mm)	WEIGHT (kg)	CONSUMPTION (KW)
AIR PRO 100	195/115	207 x 639 x 929	45,5	0,027
AIR PRO 300	300/140	207 x 639 x 929	46	0,055
AIR PRO 500	500	310 x 972 x 1104	84	0,164
AIR PRO 800	800	310 x 972 x 1104	85	0,328
AIR PRO 1200	1200	353 x 972 x 1104	92	0,518
AIR PRO 2000	2000	414 x 1174 x 1504	175	1,034
AIR PRO 3000	3000	414 x 1174 x 1504	180	2,198

Real-time monitoring.  
We make it visible.

Zonair3D IAQ gauge is an innovative **indoor air quality monitoring and control system**. Connecting the gauge to Zonair3D™ AIR PRO range, and thanks to the integrated sensors of particles and gases, it allows you to **visualize** the quality of the air inside the buildings both locally and integrating the signal in any intelligent control system remote, while allowing you to **regulate the operation** of the purifier to achieve optimal air quality.





## STUDIES SHOW THAT...



“There are, as yet, relatively few studies evaluating the effects of reduced air pollution on children’s health. Nevertheless, those that exist show that reduced exposure to air pollutants can lead to a decrease in hospital admissions for respiratory complaints, a lower prevalence of bronchitis and respiratory infections, and improvements in impaired lung function growth rates. The results provide some direct evidence that reducing exposures to air pollution will improve children’s health.”<sup>2</sup>

“After having used BUBBLE | PURE AIR for 1 month [...] significant values in the parameters measuring the quality of life in asthma and rhinitis are already shown after just one month treatment..”<sup>3</sup>

(1) Schwela, Dietrich. *Efectos de la contaminación en la salud y recomendaciones de la OMS*. OMS, Ginebra. (Presentación en el Seminario de la Calidad del Aire y su Monitoreo, 12 de octubre de 1998, Guatemala)

(2) European Centre for Environment and Health. *Effects of Air Pollution on Children’s Health and Development*. Bonn Office, World Health Organization, 2005.

(3) Sisteró, A. *Efecto del aire puro en el asma y rinitis alérgica: nuestra experiencia*. Barcelona, 2012.



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**Buildings**