



**ZONAIR3D™**  
PURE AIR, JUST BREATHE



Schools and  
kindergartens

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

# PURE AIR, JUST

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.

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.

# BREATHE



**Breathe Pure Happiness.**

A study published in 2016 by NeuroImage states that cognitive development and brain maturity are closely related to the air that we breathe.

Removing up to a 99.995%  $PM_{\geq 0.2}$   $\mu m$  particles provides spaces free from bacteria and allergenic agents. This improves school outcomes and reduces the risk for children and the elderly of suffering from any respiratory disease.



· **L. Avol E, C. Ham J, S. Zweig J. (2009)** *Air Pollution and Academic Performance: Evidence from California Schools.* Consultado en: <http://www.econweb.umd.edu/~ham/test%20scores%20submit.pdf>

· **Pujol J, Martinez-Vilavella G, Macia D, Fenoll R, Alvarez-Pedrerol M, Rivas I, Fornis J, Blanco-Hinojo L, Capellades J, Querol X, Deus J, Sunyer J.** *Traffic pollution exposure is associated with altered brain connectivity in school children.* *NeuroImage* 2016;129:175-184.

· **J, Esnaola M, Alvarez-Pedrerol M, Fornis J, Rivas I, et al. (2015).** *Association between Traffic-Related Air Pollution in Schools and Cognitive Development in Primary School Children: A Prospective Cohort Study.* *PLoS Med* 12(3): e1001792. doi:10.1371/journal.pmed.1001792

· **W. James Gauderman, et al.** *Association of Improved Air Quality with Lung Development in Children.* *N Engl J Med* 2015; 372:905-913 March 5, 2015 DOI: 10.1056/NEJMoa1414123

· **WORLD HEALTH ORGANIZATION (2005):** *Effects of Air Pollution on Children's health and development. A review of the evidence.*

HEALTH EFFECTS DEPEND ON EXPOSURE TIME, BODY WEIGHT AND POLLUTION CONCENTRATION

**EXPOSURE TIME:** is the addition of the time spent outdoor, in the school and at home.



Children are the most vulnerable to pollution

The less exposure, the less damage

Children spend 80-90% of their time indoors

Recent studies have confirmed that reducing exposure levels in schools has great benefits

**BODY WEIGHT**  
The lower the weight, the greater the negative effects of pollution

Fig 14-Canon del niño — de 0 a 12 años — comparado con el hombre (Vea al pie de cada figura, los años y la altura correspondiente en centímetros).

**POLLUTION CONCENTRATION**  
Particles and gases from vehicles, industry and human activities.

Pollen, Pet Dander, Germs, Cleaning Chemicals, Tobacco Smoke, Environmental Pollutants, Viruses, Bacteria



ZONAIR3D®

SOLUTIONS AND BENEFITS: EDUCATIONAL FACILITIES

"Control of the environmental impact on children."



#### APPLICATIONS

- Kindergartens
- Schools
- Libraries
- Auditoriums

#### BENEFITS

- Spaces **free** from **pollutants**, and **allergenic and bacteriological agents**.
- **Reducing the risk of respiratory diseases** during childhood and beyond: asthma, allergies and respiratory diseases in general.
- **Reducing school absenteeism** due to health issues.
- Improving the **cognitive** and **physical development** of children.
- Tied to learning outcomes and **student success**.



**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+ 600i	CAUDAL (m <sup>3</sup> /h)	DIMENSIONES (LxWxH / mm)	POTENCIA MÁX. ABSORBIDA (W)	REQUERIMIENTOS	PESO
	500	772 x 596 x 553	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

**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**

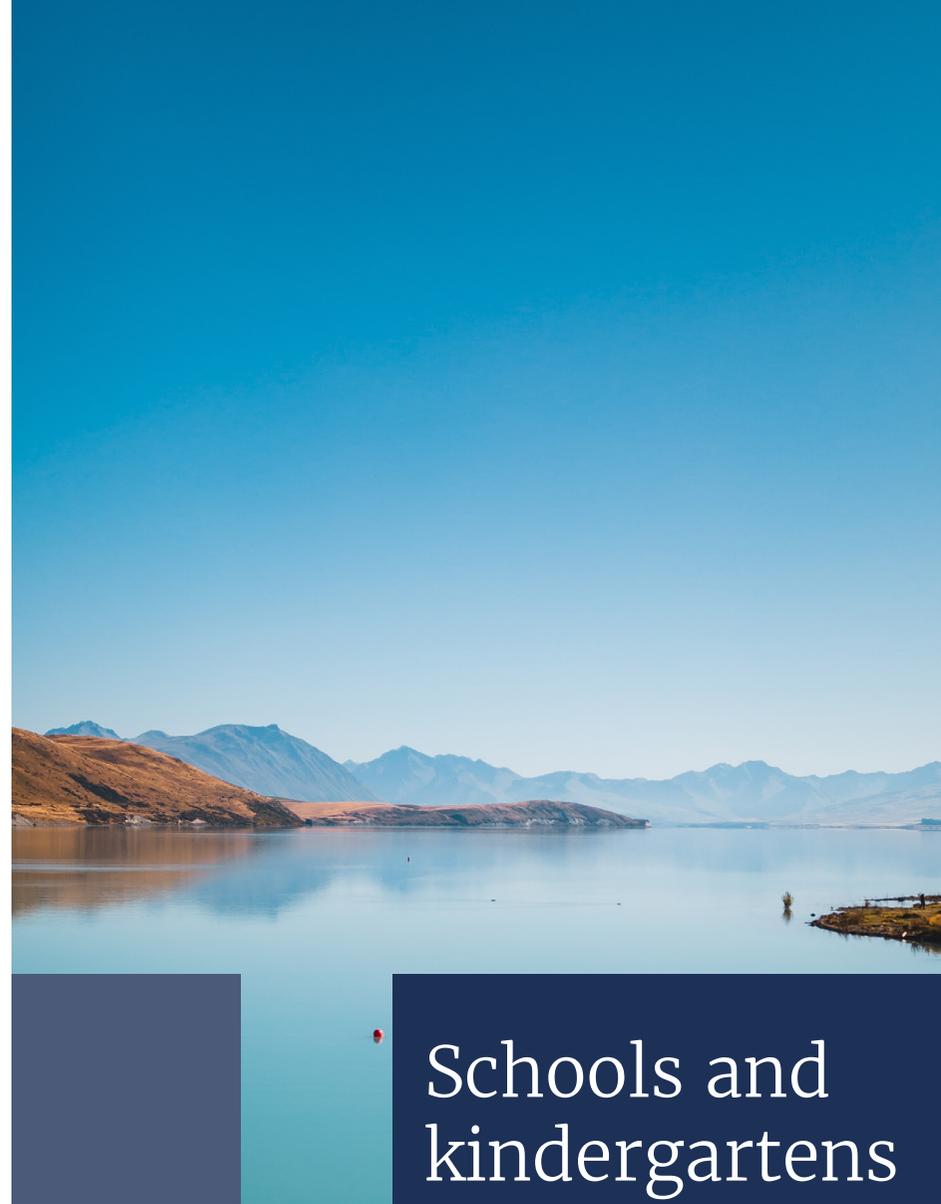
**AIR PRO 500/3000**


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



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