



**ZONAIR3D™**  
PURE AIR, JUST BREATHE



MUSEUMS

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

**PURE**

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.

**AIR,  
JUST**

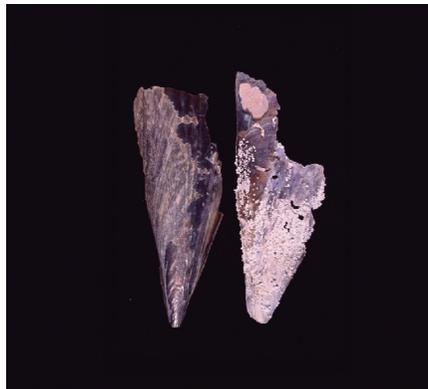
In order to win the trust of our clients, all our products are certified by official standards and clinical studies published by leading doctors in their field.

**BREATHE**

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.





Museums and other preservation **environments** contain **corrosive** contaminants and a number of factor which **can cause** the **degradation** and **destruction** of artefacts, equipment, materials and objects, some of them thousands of years old, kept in them. Once destroyed, they cannot be replaced and their loss does not only cause immense monetary losses but also human heritage losses.

Among those factors, temperature, humidity, particulates and gaseous **contaminants are the main causes of degradation**. Agree with the Canadian Conservation Institute and the Unesco, the **most harmful pollutants** are:

- **Particles** such as dust, sand grains, soot and fine particles.
- **Sulphur Dioxide** causes corrosion of copper, fading of some artists' colorants and weakening of vegetable-tanned leathers.
- **Nitrogen Dioxide**. Both nitric acid and nitrogen dioxide cause artists' colorants to fade and can contribute to the degradation of paper and vegetable-tanned leather.
- **Ozone** has the capacity to attack materials by breaking apart any double bonds between carbon atoms.

As well as this, there are **secondary pollutants intrinsically contained** in the object, such as **acetic acid and nitrogen oxide** compounds that may speed up the degradation processes caused by oxygen, water vapour or other pollutants

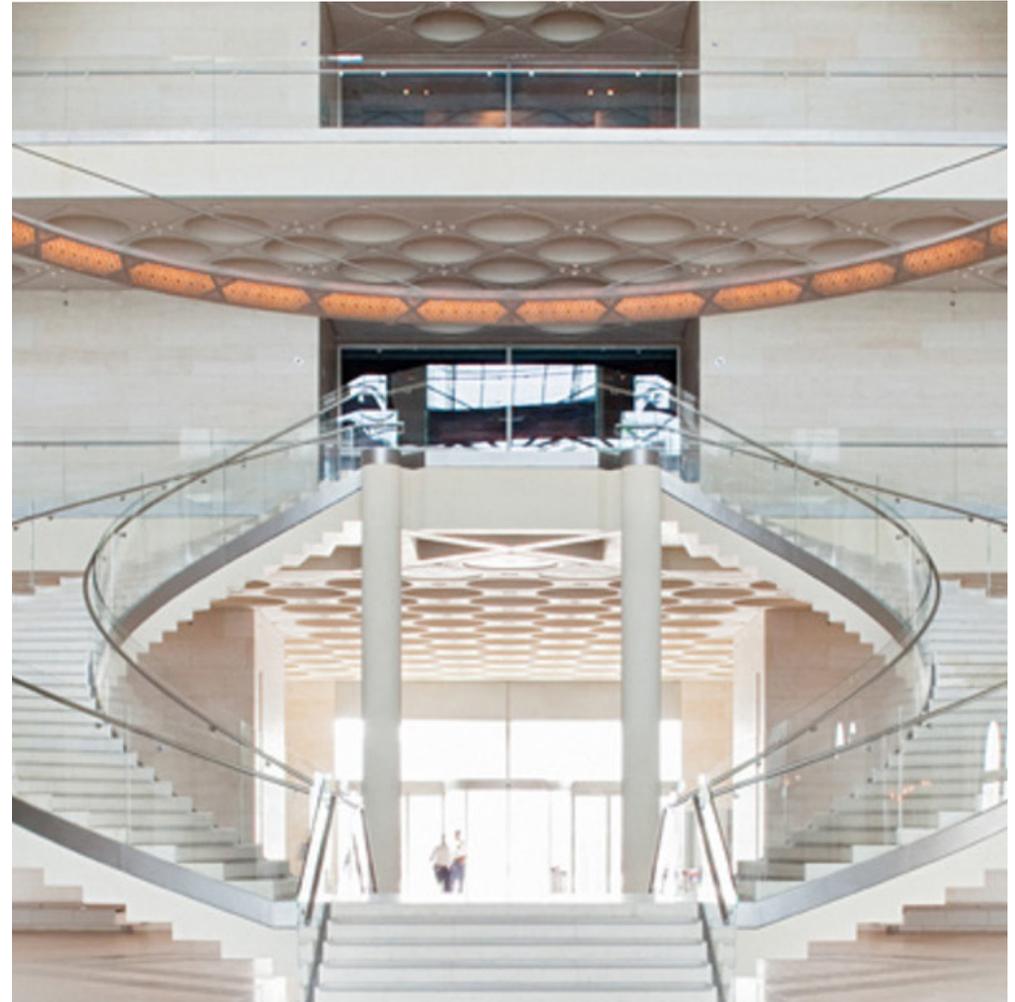
And **other pollutants such as formaldehyde and chlorine** that are also related to the cause of deterioration of historical artefacts and archival materials.



Although little research has been done to determine what levels of such pollutants contribute to deterioration of materials, **guidelines call for interior concentrations of pollutants to be maintained as low as possible**, and give some control strategies.

The Canadian Conservation Institute mentions several **control points** regarding airborne pollutants, which could be summarized as follows:

- Insert **gas and particle filters**.
- Use **air-filtered positive pressure systems**.
- **Avoid** exposure of objects to **inappropriate environment**.





#### APPLICATIONS

- Museum shop
- Exhibition rooms
- Museum restaurant

#### BENEFITS

- **Ozone free** (O<sub>3</sub>).
- Pure air provides **environmental stability**.
- It **improves the preservation of the artworks and** reduces maintenance works.
- It **reduces the concentration of TVOC** up to comfort levels.
- It **reduces microbes, dust, bacteria, insects and microorganisms**.
- Better IAQ leads to **more productive workers**.
- Better IAQ leads to **more desirable places to stay** for the visitors.



**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**.

*BUBBLE PURE AIR EFFECT IN YOUR CABIN*

**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**



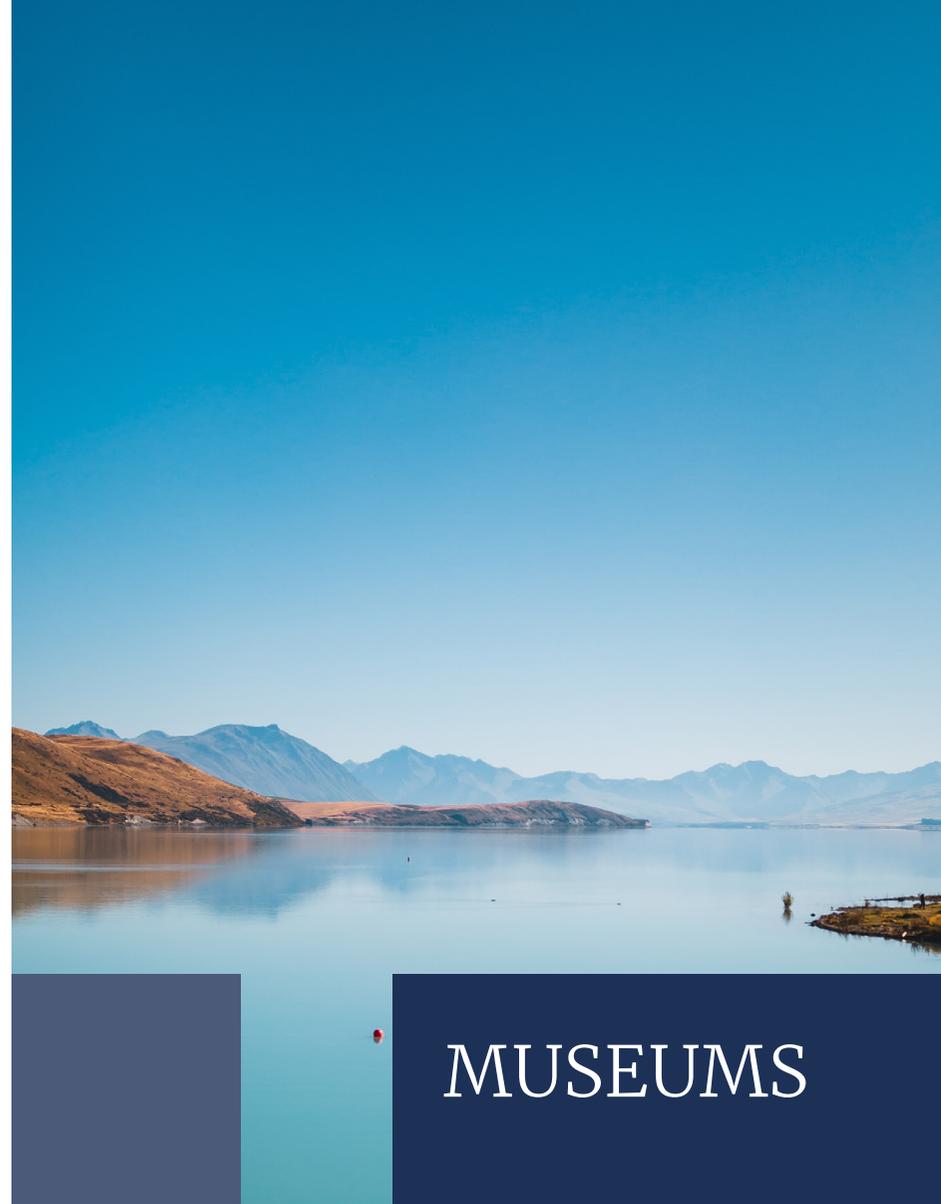
PRODUCT RANGE	FLOW (m³/h)	DEVICE MEASURES (H x W x L / mm)	WEIGHT (kg)	CONSUMPTION (KW)
AIR PRO 100	195/115	207 x 639 x 929	45,5	0,027
AIR PRO 300	300/140	207 x 639 x 929	46	0,055
AIR PRO 500	500	310 x 972 x 1104	84	0,164
AIR PRO 800	800	310 x 972 x 1104	85	0,328
AIR PRO 1200	1200	353 x 972 x 1104	92	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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