

A European Expertise  
**in ventilation**  
for your buildings





# Aldes Group

## A global partner close to you and involved in all your projects

- A French manufacturer since 1925 employing more than 1300 people.
- A HVAC expert present in over 100 countries through a network of 15 subsidiaries and distributors in Europe, Middle East, America, Asia, Africa and Indian Ocean.
- 5 production sites all over the world.

## Committed from design to production

An engineering and design approach for all of Aldes products:

- A Research and Development department.
- Development of innovative and integrated products based on market requirement and end-user needs.

## The Aldes testing facilities

A complete range of facilities to carry out real-life test or numerical simulation:

- An air diffusion laboratory.
- A numerical simulation laboratory for CFD analysis.
- An acoustics laboratory.
- A ventilation laboratory with fan test bench.

## The power of a manufacturer

- A high reaction capacity.
- More than 40000 fans manufactured per year.
- A complete range of fans to deal with all specific needs.
- Production sites in Europe.
- A large industrial capacity to meet all kind of projects.





# Aldes ME

## **A sustainable group for a sustainable presence in the Middle East**

- Based in the Middle East for more than 20 years.
- A local manufacturer investing with long term perspectives.
- Manufacturing facilities with European standards and processes.
- A 8000m<sup>2</sup> production site and state-of-the-art production facilities in the UAE.
- A pro-active sales team available at your disposal, with a full technical support

## **A large range adapted to all situations**

- A perfect match between Aldes products and UAE requirements.
- Fans well adapted in terms of installation and performance for optimal on-site integration.

## **Choose a product suitable for your project**

An accurate selection of the right product according to all the airflow, pressure and acoustic parameters.

### **\*General Catalogue and website**

For an overview of Aldes ME offer and general product selection.

**Aldes invents, designs and manufactures innovative products to improve Indoor Air Quality, Comfort and Safety inside buildings in every countries.**



# Ventilation, an essential requirement

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## Ventilation as a necessity

- Efficient continuous or modulated air renewal.
- Health of the people living in the building.
- Control of the energy consumption.
- Daily comfort.



## Ventilation as a global solution

The ENTIRE building has to be ventilated from the living rooms (bedrooms, meeting rooms...) to the technical rooms (bathrooms, kitchens...) to bring fresh air and remove polluted air.

## Ventilation as a continuous process

A ventilation system ensures a good quality of air 365 days a year. By a constant air renewal, ventilation brings the pollutants and VOCs out of the building.

## No ventilation?

A building with no ventilation presents a major risk for health.

- Apparition and development of humidity.
- Pollution of the indoor air and potential health issues.
- Decrease of staff productivity in the office.

# A COMPLETE RANGE OF FA

## Intermittent Extraction



Aldes holds a range of extractor fans for bathroom, toilet, shower and kitchen applications available to meet low airflow (max 550m<sup>3</sup>/h) with forced and intermittent air exhaust requirements. Window/wall or duct mounted, with auto-shutter or timer, they are used mainly for residential buildings, offices, villas, mosques where acoustic requirements and energy consumption are not predominant.

## Technical Premises & Big Volume Areas



Aldes has developed a specific and comprehensive range of fans for technical premises (changing room, storage room...) and big volume areas (factory, warehouse) where there is no special need for comfort. Duct, wall or roof-mounted, these fans allow a great versatility in design configurations and requirements with a minimum comfort for small, medium and big volume technical areas.

## Constant Pressure & Demand-Controlled Ventilation



Aldes has specialised in delivering a wide range of efficient cabinet fan solutions for fixed airflow (self-balanced ventilation) or modulated airflow (demand-controlled ventilation) to ensure the best possible comfort and the lowest energy consumption. The micro-watt range of fans allows a constant pressure system in multizone areas with variable frequency drive or electronically commutated motor and pressure transducer controls. This fully packaged solution is ideal for hotels, apartments, offices, student home accommodations. In commercial buildings, this range is also the best solution for demand-controlled ventilation (CO<sub>2</sub> or optical sensor) in offices or schools.

# SOLUTIONS FOR EACH APPLICATION

## Professional Kitchen



Aldes offers a large range of kitchen fan solutions to suit all design requirements. To maintain a constant airflow in the ductwork despite a potential cookerhood filter clogging, Aldes offers a range of supply/exhaust fans, roof or duct mounted, with backward-curved blades allowing more pressure loss variations. The typical kitchen cabinet fan has motor outside airstream, bottom grease pan, double skin insulation, aluminium impeller, and variable speed control. For short ductwork, a roof fan with forward-curved blades represents also an ideal solution.

## Smoke Extraction inside Buildings



As a French specialist and European leader in smoke extraction, especially corridor smoke extraction, Aldes has developed a comprehensive know-how along with a full range of smoke exhaust fans. All fans are designed and tested as per EN 12101-3 with a fire resistance classification of 400°C for 2 hours, holding Civil Defence approval. These fans are complementary and offer a large choice according to designer requirements.

## Car Parks Ventilation, Smoke Extraction & Staircase Pressurisation



To complement conventional smoke extraction, Aldes offers a comprehensive range of high temperature axial fans, duct or wall mounted. They operate perfectly for fresh air supply, air exhaust and occasional smoke exhaust where high airflows and low pressures are required, and where acoustic requirements are not predominant. These fans range are designed and tested as per EN 12101-3 with a fire resistance classification of 200°/400°C for 2 hours, holding Civil Defence approval.

**Discover the best fan solution that will answer your needs:**



Helione



Vekita Silence



C. VEC micro-watt



**Your well being through  
a healthy air**

# Aldes fans give air to your most prestigious construction projects



Schools



Hotels



Government buildings



Hospitals



Restaurants

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