



Air Curtains for Revolving Doors

 **airtècnics**

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Air curtains for revolving doors

ROTOWIND

The design of buildings with revolving doors that integrate with the environment is a common solution when the entrance has adverse conditions with high pressure differences, temperature differences or strong wind.

To avoid the loss of energy produced with revolving doors and maintain a clean and healthy atmosphere, and air curtain must be installed. The Airtècnics ROTOWIND air curtains for revolving doors are designed tailored to exactly match the curvature of the revolving door. Therefore each air curtain is unique. They are mounted discreetly above the door with two possible configurations and usually painted the same color than the revolving door to integrate the air curtain with all the building.

Other alternative, less used, is to install decorative air curtains in vertical position to one or both sides of the door opening. This solution integrates perfectly with the environment and can be also used to protect the pass doors usually lateral to the revolving doors.



ROTOWIND
Treasury ministry, Madrid (Spain)



ROTOWIND
University College Hospital, London (UK)



ROTOWIND painted black RAL
Hope University, Liverpool (UK)



ROTOWIND Recessed invisible surface
Pharmaceutical company, Bristol Myers Squibb, Paris (France)



ROTOWIND with goalposts support
Hotel Novotel Paddington (UK)



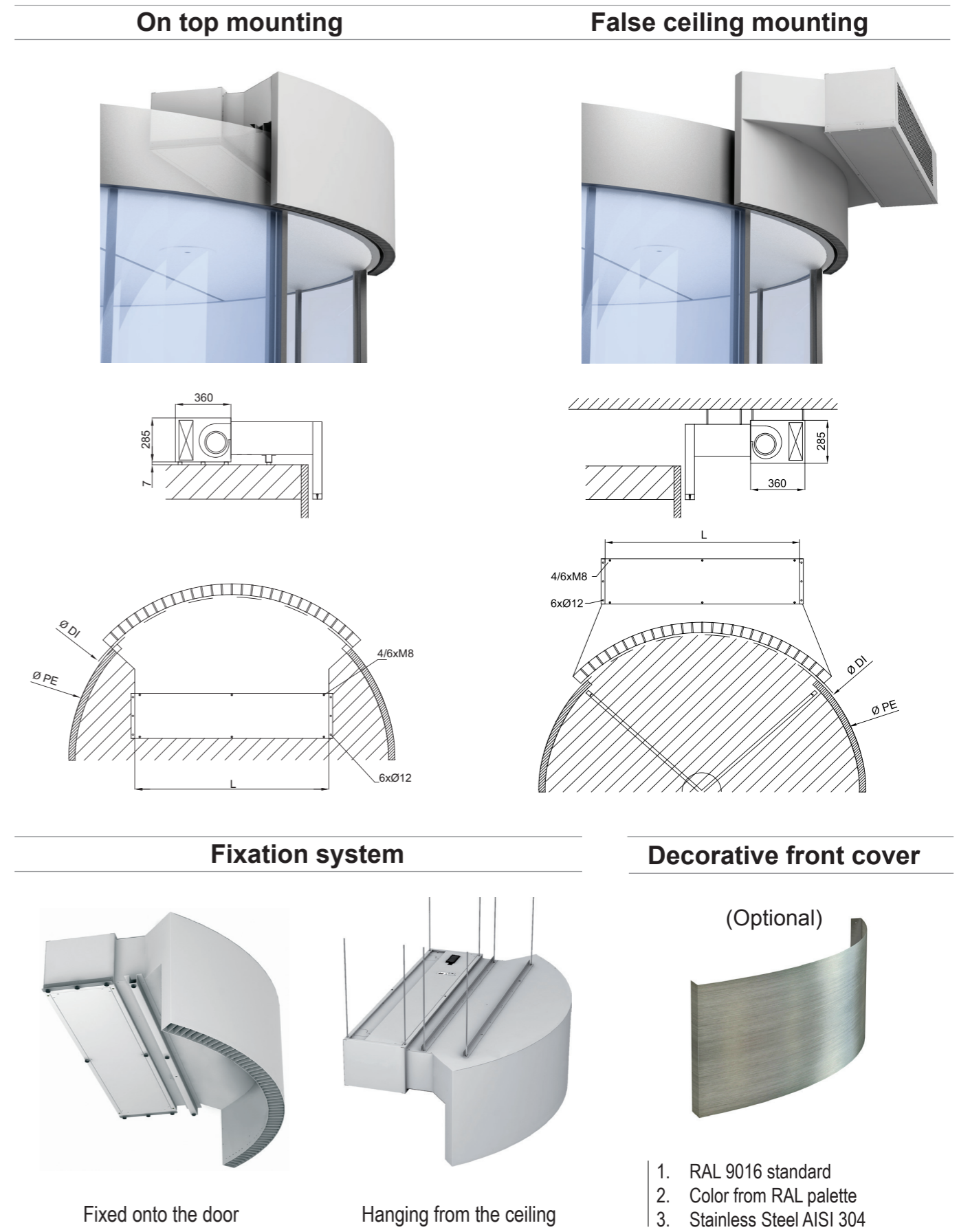
ROTOWIND painted yellow RAL
Ikea Store, Oviedo (Spain)



*ROTOWIND installation with side dummies
Mutua General de Seguros, Barcelona (Spain)*

Installation configurations

Rotowind air curtains are tailor-made for any kind of revolving door according to the following layouts:



Our air curtains range

The new and attractive Airtècnics air curtains are the ideal solution to control the indoor climate in commercial or industrial premises that need to keep their doors open.

Air curtains create an invisible barrier that efficiently divides the internal atmosphere from the external one. They substantially reduce energy losses through the door, up to 80%, while increasing employees and clients comfort.

For commercial premises, Airtècnics air curtains allow a clear view of the inside, welcoming the client to come in freely. The result is more customers and increase in sales. Moreover, they contribute to create a comfortable atmosphere at the entrances and indoor area, protect from cold and heat, repel insects and avoid dust, fumes and pollution entering the building.

The selection of the appropriate device is very important to obtain these advantages. Factors such as interior drops, strong winds, the door's location, several communicated floors and/or opposite doors and the height of the installation, among others, have to be taken into consideration at the time of choice.



Since year 1993, Airtècnics is fully integrated in the Rosenberg group, an organization specialised in the design, manufacture and distribution of ventilation equipments ,air-conditioning and its components, with production plants, subsidiary companies and partners in more than 50 countries.



Control & regulation

The control over air curtains is essential to avoid spending more energy than necessary. Our latest generation controller CLEVER, allows the automatic control of the air curtains performance in each situation, maintaining the comfort with the maximum energy saving.

- Proactive and intelligent regulation
- Many advanced functions and programmes
- Maximum energy savings
- Friendly interface design
- "Plug & Play" installation
- BMS connection

Management: App PC / ANDROID / iOS:



Accesories

Temperature sensors, door contact, ambient thermostat, anti-freeze sensor, thermostatic valve and Modbus TCP Ethernet.

Airtècnics, as air curtains specialist, can produce units with special requirements under request.

We present some of the possibilities:

- External alarm signals: unit working, heating ON, airflow switch, dirty grille, electronic overheating signal, fans overheating thermo contact TK, electrical heating blocked, etc...
- Water or steam coils for higher temperatures or different power than standard
- Special heating elements at desired power and power supply
- Dummies (empty air curtains) to combine with working units
- Industrial air curtains with ATEX fans

Please consult us for further information or other options



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