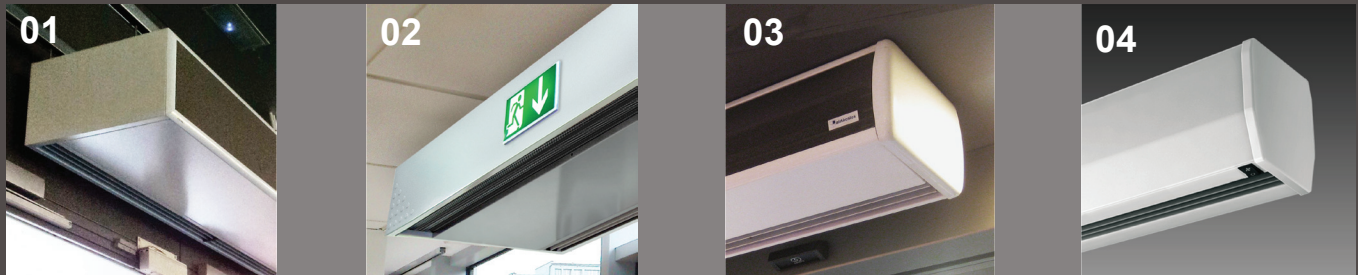




## Standard Air Curtains

 **airtècnics**

# Index



<b>01 WINDBOX:</b>	<i>Standard par excellence</i>	<b>04</b>
<b>02 DAM:</b>	<i>Standard polyvalent</i>	<b>12</b>
<b>03 OPTIMA:</b>	<i>Rounded for commercial doors</i>	<b>18</b>
<b>04 MINIBEL:</b>	<i>Compact for small doorways</i>	<b>26</b>
<b>Our air curtains range</b>		<b>30</b>
<b>Control and regulation</b>		<b>31</b>



# WINDBOX

## Standard par excellence

# 01

Airtècnics air curtains create a high speed air flow acting as an invisible air barrier over the doorways. Its use can effectively separate the inside from the outside environment without limiting the access of people or vehicles.

The WINDBOX air curtains range provide equipment for commercial doors, designed to offer high performance with low noise levels. To achieve this balance, it is required a combination of a specific geometry plus the appropriate choice of all the components that define the air curtain, such as fans or regulation.

The attractive WINDBOX air curtains are ideal for controlling the interior environment of commercial or industrial premises that need to keep the doors open. Airtècnics offers a wide range of air curtains for all types of applications: Unheated (only air), electrical or water heated units.

With self-supporting steel frame panels, finished in epoxy-polyester paint white RAL 9016 as standard. Other colors or stainless steel available on request. Connection "plug and play" allows one-click link the curtain control with a telephone cable with RJ45 connectors for simple and error free.



**WINDBOX SMG**

Subway restaurant chain, Rotterdam (Holland)





**WINDBOX SMG**  
Restaurant El Refugi Alpí, Andorra La Vella (Andorra)



**WINDBOX SMG**  
IKEA store chain, Badalona (Spain)





**WINDBOX SMG**  
Clothing shop, Amsterdam (Holland)



**WINDBOX SMG**, multiple installation  
Mercat de la Concepció, Barcelona (Spain)





**WINDBOX SMG**  
Sants railway station, Barcelona (Spain)



**WINDBOX SMG**, multiple installation with inlet plenum  
JD Sport King, Rotterdam (Holland)



# DAM

## Standard polyvalent

# 02

The customisation of Airtècnics design air curtains is not only a matter of choosing the color, it also includes a wide range of signage like logotypes, graphics or special finishes with other materials, backlighting, etc.

A lot of attributes are given in aim to achieve a full integration of every installation in its environment.

Thus, within the WINDBOX range we find a very special model, the air curtain DAM.

Noted for its versatility and customisable front panel, this model performs a double top and bottom air inlet areas, effectively replacing the classical front inlet grille and eliminating the need for maintenance. Thus, its decorative front panel provides a clean and modern vision of the air curtain, camouflaging with the architectural shapes and ready for any customisation.

With self-supporting steel frame panels, finished in white RAL 9016. Other colors on request.



**DAM**  
Stefanel shop, Amsterdam (Holland)





**DAM** with Exit lit sign  
Hotel Campanile and Premiere Classe, Wroclaw (Poland)



**DAM**, recessed installation, painted yellow RAL  
JD Sport King, Rotterdam (Holland)





## DAM TWIN air curtains system

The DAM TWIN system consists on the placement of two vertical DAM air curtains face to face, one with the air jet ahead and other with the air jet behind.

This way, at the end of each jet there is the inlet area of each air curtain that helps to close the air barrier. This creates a separation zone with double jet at the door entrance and is an optimal solution for installations with very adverse conditions.

**DAM, Twin system installation**  
FNAC Illa Diagonal Store, Barcelona (Spain)



# OPTIMA

## Rounded for commercial doors

# 03

Cold drafts usually originate in premises entries, penetrating inside and cooling the indoor environment.

In cafes, tapas bars, restaurants and the like, an open door can mean a significant reduction in the space, because in the areas close to the entrance, cold drafts deter the entry of customers with the consequent loss of business.

OPTIMA air curtains, suitable for commercial doors up to 2.5 m high, offer a compact and friendly design, thanks to their rounded shapes and radios.

These air curtains work with low noise twisted cross-flow fans, driven with a 2 speed external rotor motors. They also incorporate a front micro-perforated inlet grille with filter functions, that makes unnecessary an intensive filter servicing.

Formed by a self-supporting casing construction made of galvanised plated steel, painted epoxy-polyester structural white colour RAL 9016 as standard. Other colours are available on request



**OPTIMA**  
Butcher Ca La Teresona, Vic (Spain)





OPTIMA multiple installation  
Crosby shop, Barcelona (Spain)



OPTIMA  
GEOX shop in Passeig de Gràcia, Barcelona (Spain)





**OPTIMA** multiple installation painted black RAL  
ALDI Supermarket, Esparraguera (Spain)



**OPTIMA**  
Optician's shop Optica + Vision, Badalona (Spain)





**OPTIMA** multiple installation  
Atocha railway station, Madrid (Spain)



**OPTIMA**  
Airport El Prat, Barcelona (Spain)



# MINIBEL

## Compact for small doorways

# 04

Air curtains allow a clear view inside the store or business and are a friendly invitation to enter without obligation eliminating the psychological barrier of the door. In stores, products may be located closer to the entrance increasing the useful area of exposure.

We find air curtains for all types of doorways, from small windows (kiosks) to large industrial doors.

Low pressure MINIBEL air curtains, with a compact design, are perfect for openings up to 1.8 m high, emerging as the most economical alternative among the range of air curtains for commercial doors.

It is an ideal model for kiosks, fast-food service windows and small sized shops inside large indoor shopping malls.

With self-supporting casing construction made of galvanized plated steel, painted epoxy-polyester structural white colour RAL 9016. They have an integrated switch for ventilation and heating control, with a cable connection of 1,5 m length. Wall supports for wall mounting are included.



**MINIBEL**  
Adolfo Dominguez shop, (Spain)





**MINIBEL**  
Rocamora pharmacy, Andorra La Vella (Andorra)



**MINIBEL**  
Pharmaceutical company (Nigeria)



# 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:



## Accessories

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





Conca de Barberà, 6 - Pol. Ind. Pla de la Bruguera  
E-08211 CASTELLAR DEL VALLÈS (Barcelona) Spain  
Tel. + 34 93 715 99 88 - Fax. + 34 93 715 99 89  
[airtecnics@airtecnics.com](mailto:airtecnics@airtecnics.com)

[www.airtecnics.com](http://www.airtecnics.com)  
[www.dooraircurtain.com](http://www.dooraircurtain.com)