



AIR CONDITIONING





**VORTICE S.p.A.** is part of a multinational group, [1] **VORTICE GROUP**, which operates through its own companies or local distributors in over 90 countries worldwide and has a rich product portfolio that guarantees air quality and climate comfort. The headquarters of VORTICE S.p.A are in Tribiano (Milan).



VORTICE GROUP also includes:

[1/2] **BUSINESS UNIT INDUSTRIAL**, born from the acquisition in 2010 of Loran srl, based in Isola della Scala (VR). 2024 become Vortice's BUSINESS UNIT INDUSTRIAL.

[3] **VORTICE LIMITED**, the UK subsidiary of VORTICE S.p.A., established in 1977 and based in Burton on Trent.

[4] **VORTICE VENTILATION SYSTEM**, a company inaugurated in 2013 with headquarters in Changzhou, China.

[5] **VORTICE LATAM S.A.**, based in Alajuela in Costa Rica, established in 2012.

[6] **CÁSALS VENTILACIÓN AIR INDUSTRIAL S.L.**, historic Spanish brand, based in Sant Joan de les Abadesses, Girona, acquired in 2019.



## AIR DOOR RANGE

Air curtains for horizontal installation, particularly suitable for use in public places



### Elegant design and environmental comfort

Air curtains, installed in line with doors or openings in general, create an invisible barrier separating zones of different temperatures, preventing cooled air from escaping in summer and warm heated air in winter, in order to stop heat from being transferred from one environment to another while preventing pollutants (e.g., dust, exhaust gases, smoke, odours) and insects coming in from outdoors. The air curtains allow customers to enter and leave freely, without obstructing the passageway and providing maximum visibility into the room.

The barriers can also be used inside the building, to separate rooms with different conditions: for example, heated areas and unheated warehouses, or dining rooms and kitchens; this facilitates the transit of staff and prevents odours and vapours from being transferred.




# AIR DOOR RANGE

Air curtains for horizontal installation, particularly suitable for use in public places

Provide appreciable cost savings related to heating (in winter) and cooling (in summer). Installed in correspondence of doors and, more generally, of access areas, AIR DOOR units generate an air stream hindering the entry of external air at unpleasant temperature. Particularly suitable also to prevent entry of smoke, smog, insects and avoid spread of odors between adjoining rooms.

- 8 models for different lengths (900 mm, 1200 mm, 1500 mm and 2000), power supplies (single or three phase), available features and benefits paid.
- Cross-flow fans, ensuring low noise levels, driven by asynchronous, double-shaft, two speed motors for the best compromise between performance, temperature of generated air flow (models equipped with heating elements), and output sound level.
- Front panels in brushed aluminum (silver grey color), integrating intake grille; rear panels in black painted sheet metal; side panels in black thermoplastic resin.
- Adjustable flaps; mounted in correspondence of exhaust, allow to direct outgoing airstream as desired.
- Infrared remote control allowing:
  - ON/Off switching
  - Selection of desired operation speed
  - Heating elements switch On/Off (AIR DOOR H models only)

4 Commands are replicated on board. A lamp on the front panel shows the product status.

- Only for models AIR DOOR H, heating elements consisting of PTC thermistors offering high thermal performance and reduced drag, protected against overheating and voltage peaks. A peculiar logic of operation, delaying the fan stop after the battery switch off, contributes to its reliable operation over time.
- Possibility of coupling with standard door sensors on the market.
- Insulation class: I. .



Commands are replicated on board

Remote IR, equipped for turning on/off of the product and for the selection of speed and for switching on/off the electrical resistance in the models AIR DOOR H. The same controls are located on the front panel of the products (3 buttons).



## TECHNICAL FEATURES

- Elegant and distinctive aesthetics.
- High performance (up to 2,700 m<sup>3</sup>/h).
- High speed of air flow (11 m/s standard models, 9,5 m/s. models equipped with heating elements), granting an effective action up to 4 m high installation.
- Great installation flexibility: front intake grilles allow AIR DOOR mounting close to the ceiling even in low ceiling rooms (minimum 2,30 m).
- Easy and quick installation, thanks to the practical wall mounting bracket.
- Possibility on installation in series, to cover long width openings.

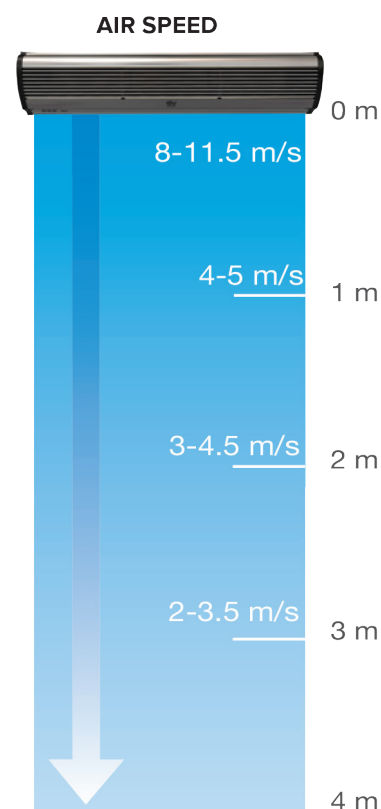
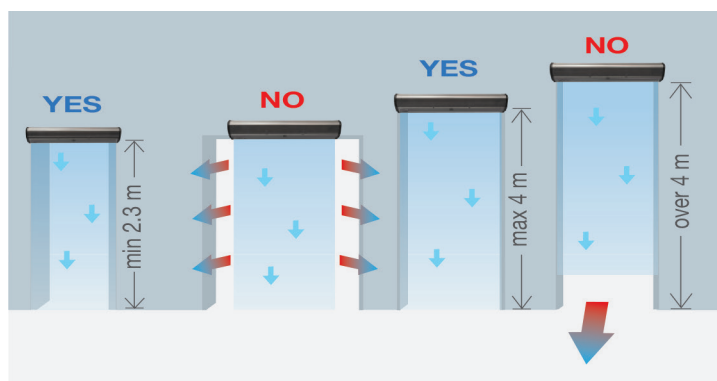
## APPLICATIONS TYPES

- Food industry, where climatic and hygienic separation is required between departments, alongside the quick and easy passage of goods and people;
- Hospitals and laboratories;
- Catering and hospitality (kitchen odours are kept away from dining rooms);
- Offices, schools;
- Cinemas, bookshops;
- Warehouses and manufacturing departments;
- Bars, restaurants, ice cream parlours;
- Supermarkets;
- Banks;
- Swimming pools, sports centres, changing rooms;
- Refrigerated units (outdoor mounting);
- Greenhouses, drying rooms.

5

## INSTALLATION

- Minimum installation height: 2.3 m.
- Maximum recommended installation height: 4 m.
- Horizontal wall installation, above doors or as close as possible to the opening, to prevent the passage of air at the sides.
- There is no need to leave space between the curtain and the ceiling, as models with a front air intake grille do not require this.
- These curtains can also be used for installations with limited space.
- Easy to install by means of a practical wall mounting bracket.





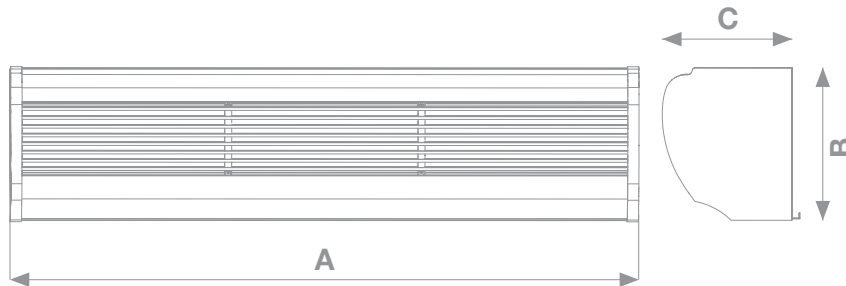
## AIR CONDITIONING

### TECHNICAL DATA

PRODUCTS	CODE	V~50HZ	MOTOR W min/max	MAX W total	A	RPM max/min	MAX AIRFLOW m³/h min/max	l/s min/max	AIR SPEED m/s min/max	Lp dB (A) 2 m min/max	MAX °C	KG	MOTOR CLASS
AD900	65195	230	110 160	-	0.70	1400 1450	1100 1400	305 388	9 11	55 57	60	10.0	F
AD1200	65196	230	150 200	-	0.87	1400 1450	1600 1900	444 527	9 11	56 58	60	12.5	F
AD1500	65197	230	180 230	-	1.00	1400 1450	2000 2500	555 694	9 11	57 59	60	15.5	F
AD2000	65198	230	300 350	-	1.52	1400 1450	2900 3600	805 1000	9 11	59 61	60	20.5	F
H AD900 M	65155	230	110 160	9200	28	-	1000 1200	278 333	8.5 9.5	55 57	45	13.5	G
H AD900 T	65156	380	110 160	6150	10	-	1000 1200	278 333	8.5 9.5	55 57	45	13.5	G
H AD1200 T	65157	380	150 200	8050	13	-	1500 1700	417 472	8.5 9.5	56 58	45	16.0	G
H AD1500 T	65158	380	180 230	10650	18	-	1900 2200	528 611	8.5 9.5	57 59	45	18.0	G

### DIMENSIONS

6



PRODUCTS	A	B	C
AD900	900	220	190
AD1200	1200	220	190
AD1500	1500	220	190
AD2000	2000	220	190
H AD900 M	950	305	235
H AD900 T	950	305	235
H AD1200 T	1230	305	235
H AD1500 T	1510	305	235

Dimensions (mm)

### CONTROLLERS

DESCRIPTIONS	CODE	PRODUCTS
RVG 1A	12835	65195 - 65196 - 65197 - 65198
REGOLATORE RVG 2A	12836	65155 - 65156 - 65157 - 65158









## VORTICE GROUP COMPANIES

### VORTICE S.P.A

Strada Cerca, 2  
Frazione di Zoate  
20067 Tribiano  
(Milano) Italia  
Tel. (+39) 02 906991  
vortice.com  
P.IVA IT 04474410968

### BUSINESS UNIT INDUSTRIAL

Via B. Brugnoli 3,  
37063 Isola della Scala  
(Verona) Italia  
Tel. (+39) 045 6631042  
vorticeindustrial.com  
P.IVA IT 04474410968

### VORTICE LIMITED

Beeches House  
Eastern Avenue  
Burton on Trent  
DE13 0BB United Kingdom  
Tel. (+44) 1283-49.29.49  
vortice.ltd.uk

### CASALS VENTILACIÓN AIR INDUSTRIAL S.L.

Ctra. Camprodon, s/n 17860  
Sant Joan de les Abadesses  
(Girona) Spain  
Tel. (+34) 972720150  
casals.com

### VORTICE LATAM S.A.

Bodega #6  
Zona Franca Bes Alajuela,  
Alajuela 20101  
Costa Rica  
Tel. (+506) 2201.6934  
vortice-latam.com

### VORTICE VENTILATION SYSTEM

(Changzhou) Co.LTD  
No. 388 West Huanghe Road  
Building 19, Changzhou  
Post Code: 213000 China  
Tel. (+86) 0519 88990150  
vortice-china.com

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This print-out cancels and replaces all previous versions.

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