AIR CURTAINS FOR CLIMATE SEPARATION

Catalogue

rosenberg

airtècnics

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INTRODUCTION

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AIRTÈCNICS

Founded in 1986 and placed in Castellar del Vallès (Barcelona), Airtècnics has a large experience producing air curtains, air handling units, fan boxes, fan filter units, axial fans, centrifugal fans and other special and OEM equipment.

We export our products to more than 45 countries worldwide. Besides our own production, Airtècnics distributes a wide range of HVAC products, mostly produced by Rosenberg Group companies.

For decades, Airtècnics has been incorporating and innovating in technology for the production of air curtains, ventilation units, air purification devices and the rest of products of its catalogue.

Airtècnics headquarters in Castellar del Vallès (Spain)

Nowadays, we innovate in products that respond to the environmental hygiene needs that society is facing.

Loyal to our commitments regarding our customers, our products fulfill the highest standards of quality criteria.

We are proud of our highly qualified team composed by master engineers, designers, specialized technicians and skilled professionals, ready to assist you in any questions you may have in design, installation or service maintenance requirements.

Be sure that Airtècnics or our worldwide distributors network will give you the right solution for any air curtains application.

- **Air curtains market leading**
- **Producing +35 years**
- **Exporting +45 countries**
- **Catalogue +20 languages**
- **Experimented R+D+i**
- **Continuous improving**
- **Complete range, all applications**
- **University knowledge collaboration**

The Rosenberg Group

Airtècnics is from 1993 fully integrated in the Rosenberg Group, an organization specializing in the design, manufacturing and distribution of equipments and components of ventilation and air conditioning with factories, subsidiaries and agencies in more than 50 countries.

Founded in 1981, currently with a total of 1.700 employees, 13 production sites on all continents, as well as 4 development centres. Rosenberg develops, produces and distributes its products worldwide.

Through a combination of human knowhow and innovative production technology Rosenberg products achieve a quality that meets the highest requirements.

rosenberg ECOFIT ETRI
THE AIR MOVEMENT GROUP

Rosenberg headquarters in Künzelsau (Germany)

BENEFITS OF AIR CURTAINS

Advantages of installing an air curtain

Energy saving

- Reduces the energy losses from the premises
- Reduces the running cost of the building
- Reduce central plant capacity (heating/cooling)
- Reduces the CO2 emission

Hygienic and healthy atmosphere

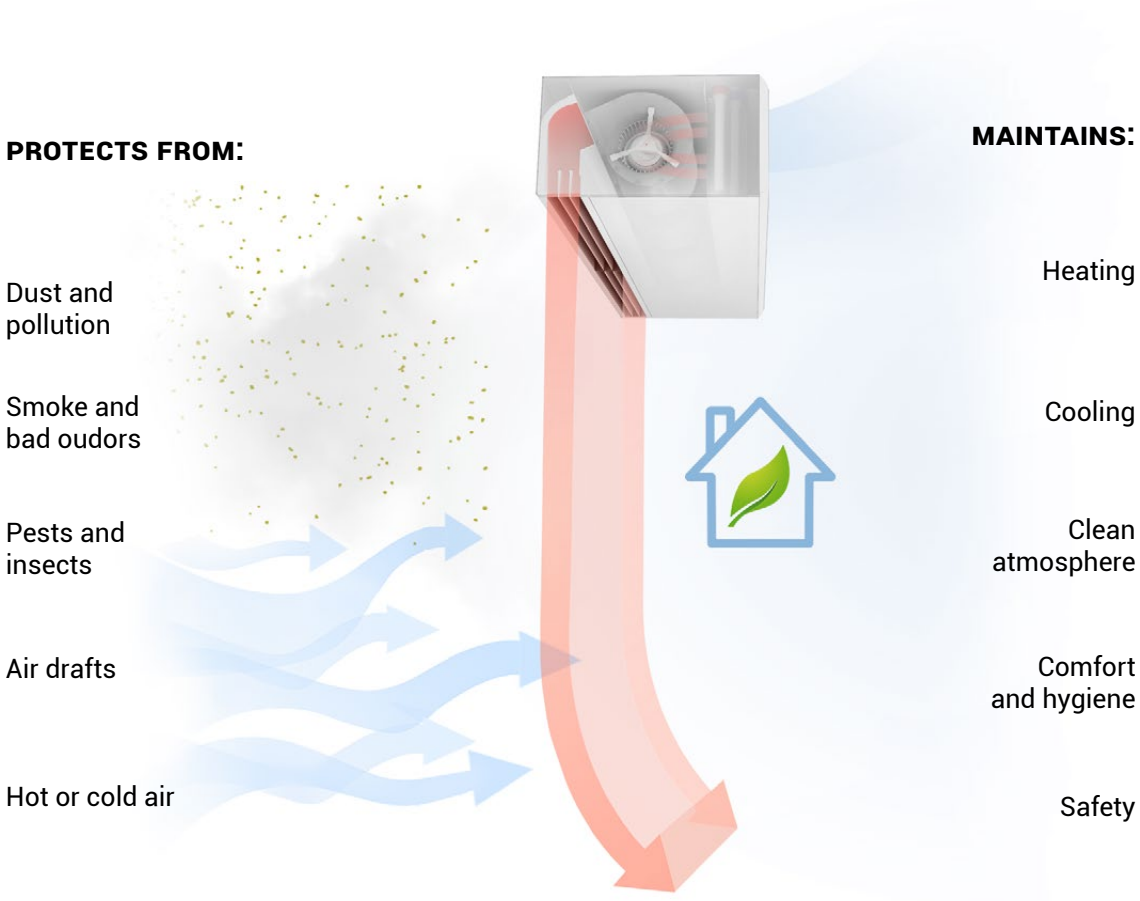
- Helps maintain adequate enviroment
- Increases customers and staff comfort
- Pest and insect control
- Barrier against dust, pollution, fumes and bad odours

Commercial profitability

- Sales increase due to the “open door effect”
- Doorway acts as a showcase window
- Easy access for people using wheelchair, strollers or umbrellas
- Increases usable space available on entrances

Increased safety

- Increase visibility and avoid obstacles
- Easy evacuation through the exit doorway
- In cold rooms reduce misting, and prevents ice forming
- Act as a barrier against fire smoke (special application)



AIRTÈCNICS AIR CURTAINS

Air curtains range

The new and attractive generation of Airtècnics air curtains are the ideal solution to maintain a comfortable interior climate in commercial outlets and public buildings that need to keep their doors open.

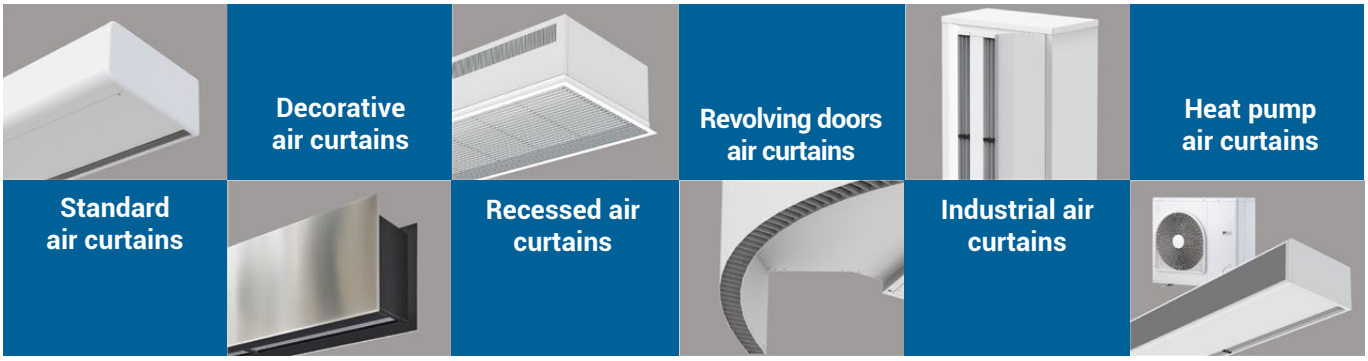
Airtècnics air curtains create an air stream layer over the doorway and act as an invisible barrier which efficiently divides the inside environment from the outside one. Therefore, it substantially reduces heating and cooling costs up to 80%, while increasing employees and clients comfort.

For shops, Airtècnics air curtains allow a clear view of the inside of the shop, welcoming the client to enter easily and freely.

The end result is more customers and an increase in sales. Airtècnics air curtains are a protection from the cold and heat, repel gusts of wind and minimize dust, fumes, pollution and insects entering the building.

In order to obtain these advantages it's very important to choose the appropriate air curtain. Factors such as interior pressure, strong winds, the door's location, stairs between floors, opposite doors, and the installation height have to be taken into consideration.

Our expert consultants with their extensive experience are at your disposal to help you choose.



Characteristics

Wide range: Whatever your application, we have an air curtain to suit it.

Control and regulation: Controls with attractive design and compact dimensions. Basic or sophisticated remote controls with manual or automatic functioning for energy saving applications. BMS interface. Controls can operate with devices as door contact, room thermostat, valves, anti-freezing sensor, etc.

Elegant and compact: Commercial models or decorative air curtains easy to match with any architectural interiors.

Finishes: Painted in any colour, different materials (stainless steel, wood, aluminium, etc.), different inlet grilles, etc.

Customization: Offer the possibility to brand an entrance with corporate logos or slogans, insert signs, clocks, lights, etc.

Low noise level: Our units offer a low noise level with higher performance. We use high quality fans and motors together with adequate regulation, specific geometry, etc.

Easy and quick installation: Minimum installation time with external Plug & Play connections. Threaded nuts assembled on the unit for easy fixing.

Reduced maintenance: Only regular cleaning.

Quality: 100% of the air curtains are tested and verified. Our products are marked CE, in compliance with the directives and applicable regulations.

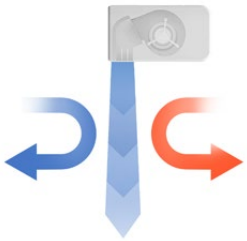
Selection app: Airtècnics has developed exclusive software to help you select the right air curtain according to the specific characteristics and location of the installation.

Online calculator: Estimates the energy and economic savings resulting from the use of an efficient air curtain in a door.

Short delivery time: Our big stock of components allows us to guarantee a reduced delivery time for our standard products. Our flexible structure gives us the possibility to help our client on urgent projects.

AIR CURTAINS APPLICATIONS

Applications according to the function of the air curtain



Climate separation

First and foremost, air curtains are designed to prevent a climate area (heated or cooled) from the influx of outside air through an open doorway. The air curtains reduce energy costs by keeping heated or cooled air in the internal building atmosphere. Efficient air curtains will save up to 80% energy looses across a doorway compared with a door without air curtain.

During winter an air curtain creates a barrier that keeps out the cold air, while in summer the air stream keeps out the hot air from outside. Bearing in mind the energy saved, the average payback time for an air curtain is between 1 and 5 years depending on usage and climate conditions.

Cold storage

Due to big temperature differences, it is highly recommended to install air curtains to reduce the energy losses when the door is open. The higher the temperature difference between inside/outside is, the higher energy losses are when a door is unprotected, with consequent economic loss and possible loss of goods. And for workers, potentially dangerous situations are created due to slippery floors, ice formation or low visibility.

Consult our separate catalogue "Air curtains for cold stores"

Pest and flying insect control

Pest control in food business, whether in the food industry, warehouses or establishments selling packaged or table-top food products, is of great importance. Insect air curtains are used, when necessary to prevent flying insects from entering to buildings like food processing plants, bakeries, restaurants, hospitals or clean zones.

Consult our separate catalogue "Air curtains for insect prevention"

Air curtains selection

To select an air curtain the following factors have to be kept in mind:

- The height of the installation measured from the air curtain discharge outlet to the floor.
- The width of the door.
- The location of the building to determine the level of protection needed against weather conditions.
- If the building has several doors in the same, different or opposite facade.
- If the building has several stores connected by escalators.
- Pressure differences between the inside and outside of the building.
- Door characteristics: Always opened, automatic door, manual door, revolving door, etc.
- Characteristics of the ventilation and air conditioning installation.
- Voltage and electrical power availability.
- Type of business, style and decoration of the premises.

The selection of a wrong unit means the air jet won't reach the floor and the separation of two adjacent areas will disappear. Then all heated/cooled air will cross the doorway and energy savings and all other advantages will be lost.
That makes it so, when factoring in heating costs, buying a cheap but inadequate model can cost more than buying a more expensive but optimal one. Another important point is customer satisfaction. For both business owners, workers and clients, a good air curtain is one that works well and achieves all the benefits listed in the previous sections.

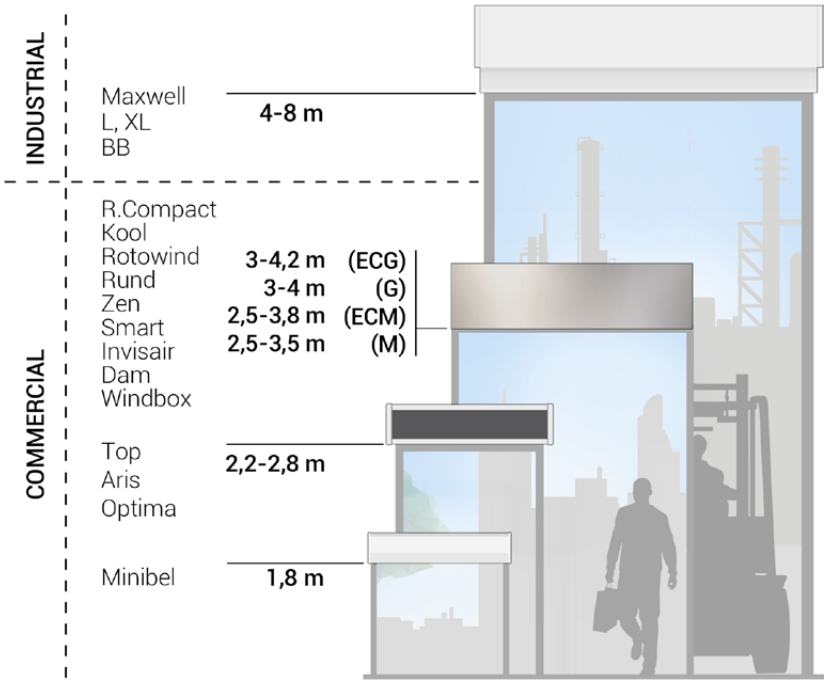
For those reasons, it is important to choose an optimal air curtain, with the right specifications for the application.
The following section, as well as a selection program in Airtècnics' website, will help you chose the right air curtain for you.

SELECTION CRITERIA

Climate Separation

MODEL	FANS TYPE	HEIGHT RANGE	HEATING A	E	P	DX	COMMON APPLICATIONS
Minibel		1,8 m	•	•			Kiosks, fast food and small sized places with usually closed door or automatic door when low pedestrian flow.
Optima Switch **Recessed Optima Switch** **Optima** **Recessed Optima** **Top** **Aris**		2,2 - 2,8 m	•	•	•		Small and medium sized commercial doors with a medium pedestrian flow. Climate separation and protection against dust, fumes, and pollutants. Isolation and sealing of smoking areas.
Windbox **Recessed Windbox** **Dam** **Recessed Dam**	M	2,5 - 3,5 m	•	•	•		Medium and large sized commercial doors with a high pedestrian flow. Climate separation and protection against dust, fumes, and pollutants. Isolation and sealing of smoking areas. Multiple installation and false ceiling configurations.
Invisair	ECM	2,5 - 3,8 m	•	•	•	•	
Smart	G	3,0 - 4,0 m	•	•	•		
Zen **Rund**	ECG	3,0 - 4,2 m	•	•	•	•	
Rotowind			•				
Kool **Recessed Compact**			•				
Windbox	BB	4 - 5 m	•	•	•		Medium and large commercial and industrial doors with a high pedestrian flow. Climate separation and protection against dust, fumes, and pollutants. Isolation and sealing of smoking areas. Multiple installation and false ceiling configurations.
Recessed Windbox		4 - 6 m	•	•	•		
Invisair		5 - 7 m	•	•	•		
Rotowind **Zen**		5 - 8 m	•	•	•		
Windbox **Zen**	L	4 - 5 m	•	•	•		Medium and large industrial doors. Climate separation and protection against dust, fumes, and pollutants. Isolation and sealing of smoking areas. Multiple installation configurations.
	LT	4 - 6 m	•	•	•		
	XL	5 - 7 m	•	•	•		
	XLT	5 - 8 m	•	•	•		
Maxwell		4 - 8 m	•	•	•		Large industrial doors (warehouses, hangars, factories, logistic centres or loading bays). Horizontal or vertical installation.

(A) Unheated, (E) Electric Heating, (P) Water Heating, (DX) Heat Pump



AIR CURTAINS MODELS

AIR CURTAINS MODELS

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 1,8 m

Airflow / Length
420 - 630 m³/h
0,6 m to 0,9 m

Fan
Compact axial fans

Heating type
E : electrical 1 stage
A : unheated

Heating capacity
E : 2,5 - 3,2 kW

Control
Inbuilt switch for ventilation and heating control

Casing
Galvanised steel

Inlet grille
Circular with finger guard

Outlet lamellas
Aluminium, airfoil type

Power suppy cable integrated (1,5m length)

MINIBEL air curtain is suitable for installations where the opening of a small door or window is required while maintaining the air conditioning inside. Thus, it is the ideal complement to maintain the temperature in establishments such as kiosks, service windows such as toll booths or fast food, and small sized shops entrances. In addition, you can select the "E" model, which includes heating.
All MINIBEL air curtains are supplied with wall supports.

UNHEATED

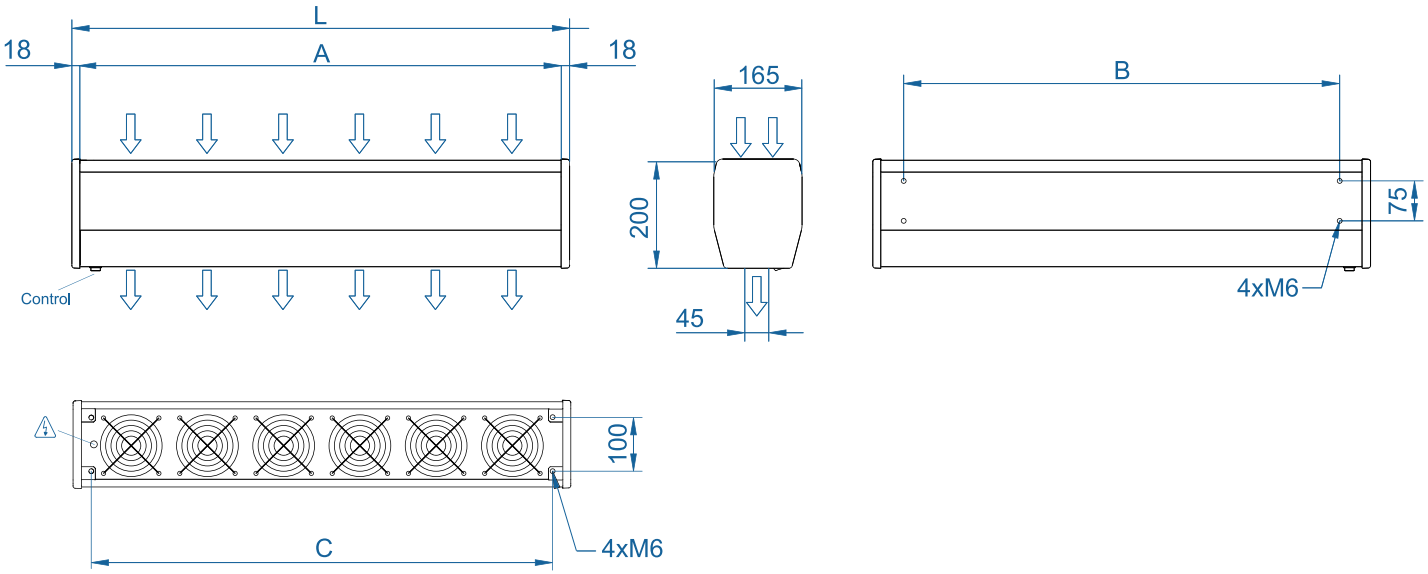
Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	dB(A)	kg
MIN 600 A	420	60	0,52	46	9
MIN 900 A	630	90	0,78	47	12,5

ELECTRIC HEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Electrical heating capacity 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	kW	dB(A)	kg
MIN 600 E230	420	60	0,52	2,5	46	10
MIN 900 E230	630	90	0,78	3,2	47	13,5

Selection program

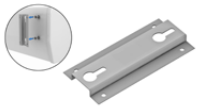
Dimensions



	L	A	B	C
MIN 600	636	600	520	566
MIN 900	936	900	820	866

Optional Accessories

Supports and installation



Omega wall support
SPT1

✔ Included

Silentblock support
SPANG SLB

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 2,8 m

Airflow / Length
1500 - 2900 m³/h
1 m to 2 m

Fan
Tangential
2-speed

Heating type
A : unheated

-

Control
Switch speed selector

Casing
Galvanised steel

Inlet grille
Micro-perforated with prefilter function

Outlet lamellas
Aluminium, airfoil type

OPTIMA SWITCH air curtain is ideal for most of the commercial entrances up to 2,8 meters high.
A small compact and low cost air curtain of elegant and friendly design with rounded shape and edges, with physical switch control.

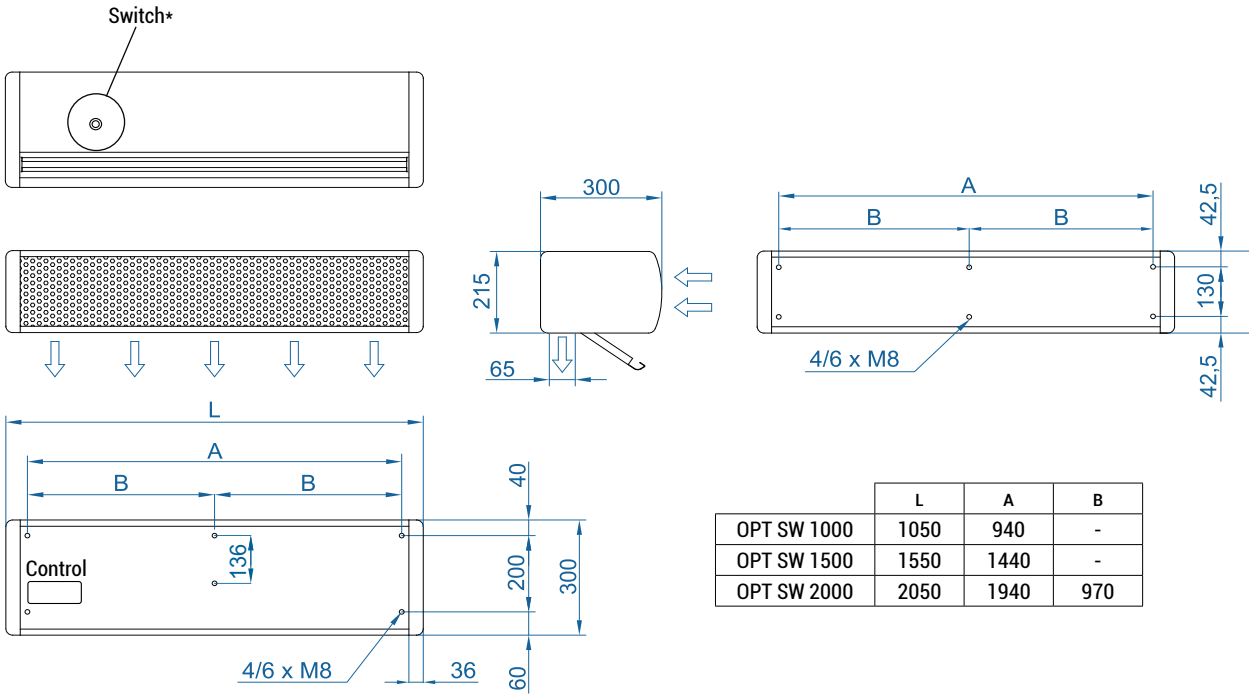
It incorporates tangential fans with low noise twisted profile turbine and 2-speed external rotor motor.
Possibility to connect a door contact and/or an external OFF.

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	dB(A)	kg
OPT SW 1000 A	1500	80	0,41	35/50	17,5
OPT SW 1500 A	2150	117	0,53	36/51	25,5
OPT SW 2000 A	2900	160	0,82	38/53	33

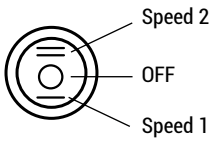
Selection program

Dimensions



	L	A	B
OPT SW 1000	1050	940	-
OPT SW 1500	1550	1440	-
OPT SW 2000	2050	1940	970

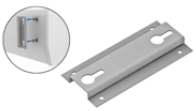
Switch*



Optional accessories

Supports and installation

Wall rail support
SPWR



Omega wall support
SPT2

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Sensors and valves

Mechanical door contact
MEC-DC

Magnetic door contact
MAG-DC

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Technical Features

Standard:
Cover RAL 9016
RAL 9006

Other colors on request

Range
Up to 2,8 m

Airflow / Length
1700 - 3200 m³/h
1 m to 2 m

Fan
Tangential
2-speed

Heating type
A : unheated

Heating capacity
-

Control
Switch speed selector

Casing
Galvanised steel

Inlet grille
Rectangular + circular perforated

Outlet lamellas
Aluminium, airfoil type

Low cost unheated air curtain with the same performance as RECESSED OPTIMA.
RECESSED OPTIMA SWITCH air curtain is ideal for most of the commercial entrances up to 2,8 meters high, for false ceiling installation.

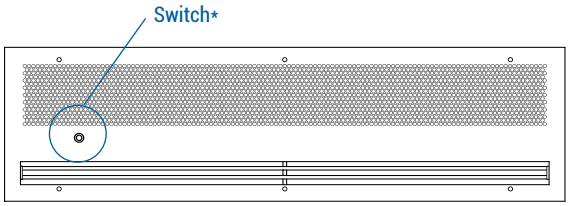
Inbuilt physical switch control. Inlet grille panel free of maintenance integrated in a single frame colour white RAL 9016 or black RAL 9005.
With low noise twisted profile turbine and 2-speed external rotor motor tangential fans.

UNHEATED

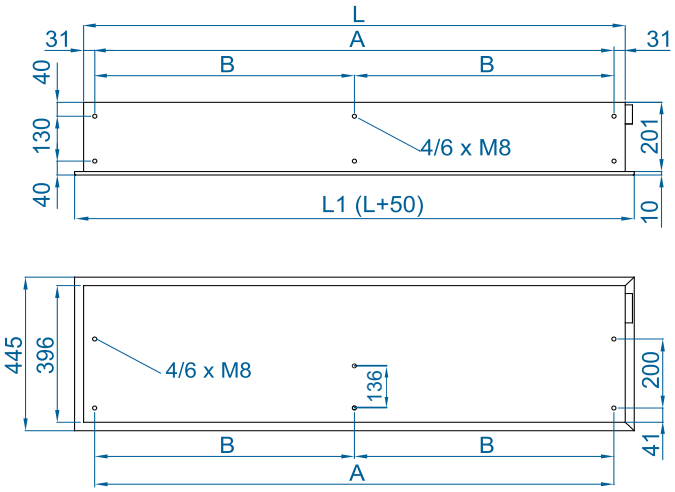
Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	dB(A)	kg
RO SW 1000 A	1700	80	0,41	35/50	23
RO SW 1500 A	2200	117	0,53	36/51	33
RO SW 2000 A	3200	160	0,82	38/53	43

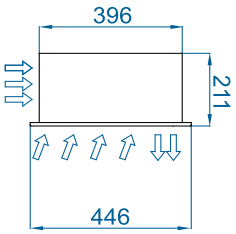
Selection program

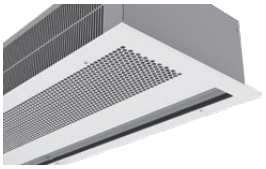
Dimensions



	L	L1	A	B
RO SW 1000	1000	1050	938	-
RO SW 1500	1500	1550	1438	-
RO SW 2000	2000	2050	1938	969



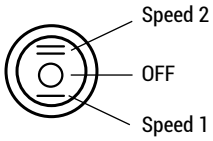




White Finish RAL 9016

Black Finish RAL 9005

Switch*



Optional Accessories

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Sensors and valves

Mechanical door contact
MEC-DC

Magnetic door contact
MAG-DC

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 2,8 m

Airflow / Length
1400 - 2900 m³/h
1 m to 2 m

Fan
Tangential
2-speed

Heating type
E : electrical 2 stages
P : water
A : unheated

Heating capacity
E : 3,8 - 11,3 kW
P : 8,2- 16,7 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised steel

Inlet grille
Micro-perforated with prefilter function

Outlet lamellas
Aluminium, airfoil type

OPTIMA air curtain is ideal for most of the commercial entrances up to 2,8 meters high. A small and compact air curtain of friendly design with rounded shape and edges. It incorporates tangential fans with low noise twisted profile turbine and 2-speed external rotor motor. Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	dB(A)	kg
OPT 1000 A	1500	80	0,41	35/50	17,5
OPT 1500 A	2150	117	0,53	36/51	25,5
OPT 2000 A	2900	160	0,82	38/53	33

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity (**)	Power supply	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW		W	A	dB(A)	kg
OPT 1000 E	1500	3,8/5,6	400Vx3	80	0,41	35/50	20,5
OPT 1000 E-9	1500	6/9	400Vx3	80	0,41	35/50	21,5
OPT 1000 E230	1500	3,8/5,6	230Vx1	80	0,41	35/50	20,5
OPT 1500 E	2150	6/9	400Vx3	117	0,53	36/51	27,5
OPT 1500 E230-6	2150	3,8/5,6	230Vx1	117	0,53	36/51	27,5
OPT 1500 E230-9	2150	6/9	230Vx1 (*)	117	0,53	36/51	27,5
OPT 2000 E	2900	5,6/11,3	400Vx3	160	0,82	38/53	42
OPT 2000 E230	2900	5,6/11,3	230Vx1 (*)	160	0,82	38/53	42

(*) 2 separated power supplies. (**) Under request other electrical heating power can be limited.

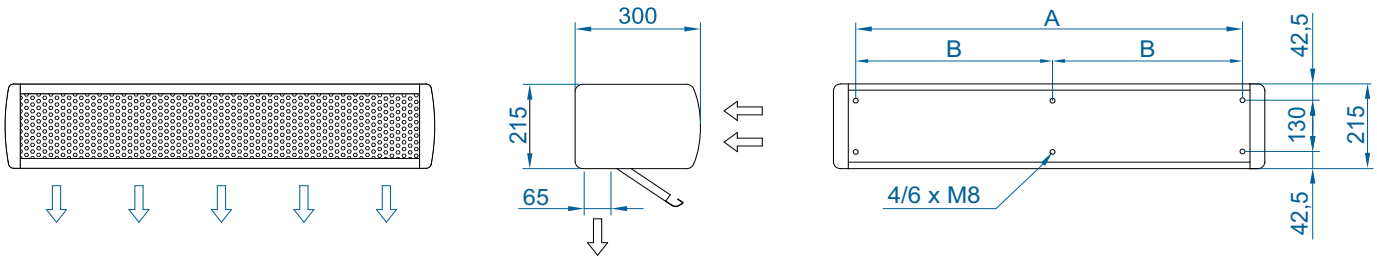
WATER HEATED

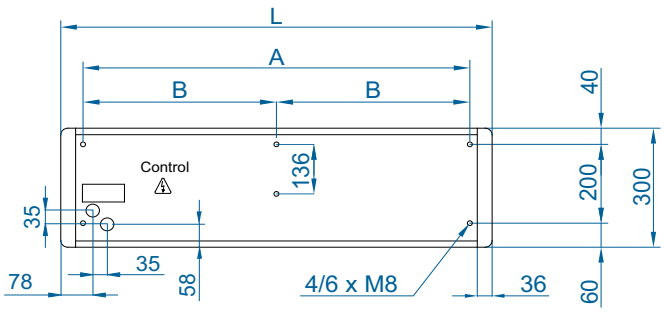
Model	Airflow	Heating capacity 80/60°C	Water pressure drop	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	Pa	W	A	dB(A)	kg
OPT 1000 P	1400	8,2	7090	80	0,41	37/51	20,5
OPT 1500 P	2100	12,7	7200	117	0,53	38/52	27,5
OPT 2000 P	2750	16,7	6550	160	0,82	40/54	37,5

Water heated: connection pipes 1/2" female. 2 rows coil.

Selection program

Dimensions



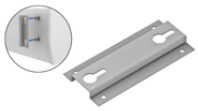


	L	A	B
OPT 1000	1050	940	-
OPT 1500	1550	1440	-
OPT 2000	2050	1940	970

Optional accessories

Supports and installation

Wall rail support
SPWR



Omega wall support
SPT2

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-2HO-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Sensors and valves

Mechanical door contact
MEC-DC

Magnetic door contact
MAG-DC

External Temperature Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Technical Features

Standard: Cover RAL 9016

Other colors on request

Range
Up to 2,8 m

Airflow / Length
1450 - 3200 m³/h
1 m to 2 m

Fan
Tangential
2-speed

Heating type
E : electrical 2 stages
P : water
A : unheated

Heating capacity
E : 3,8 - 11,3 kW
P : 8,3 - 17,1 kW

Control
Plug&Play manual regulator
+ IR remote control
(Optional Clever Control)

Casing
Galvanised steel

Inlet grille
Suction lamellas
+ Rectangular perforated

Outlet lamellas
Aluminium, airfoil type

Recessed mounting air curtain for commercial building entrances with recommended height of installation up to 2,8 meters.
Inlet and outlet integrated in a single frame full view slatted grille for an easy installation. Stylish design, finished optionally in any colour to blend in with the building's internal or external aesthetics. Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	dB(A)	kg
RO 1000 A	1700	80	0,41	35/50	24
RO 1500 A	2200	117	0,53	36/51	34
RO 2000 A	3200	160	0,82	38/53	44,5

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity (**)	Power supply	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW		W	A	dB (A)	kg
RO 1000 E	1700	3,8/5,6	400Vx3	80	0,41	35/50	26
RO 1000 E-9	1700	6/9	400Vx3	80	0,41	35/50	27
RO 1000 E230	1700	3,8/5,6	230Vx1	80	0,41	35/50	26
RO 1500 E	2200	6/9	400Vx3	117	0,53	36/51	37,5
RO 1500 E230-6	2200	3,8/5,6	230Vx1	117	0,53	36/51	37,5
RO 1500 E230-9	2200	6/9	230Vx1 (*)	117	0,53	36/51	37,5
RO 2000 E	3200	5,6/11,3	400Vx3	160	0,82	38/53	53,5
RO 2000 E230	3200	5,6/11,3	230Vx1 (*)	160	0,82	38/53	53,5

(*) 2 separated power supplies. (**) Under request other electrical heating power can be limited.

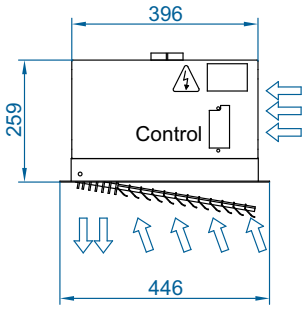
WATER HEATED

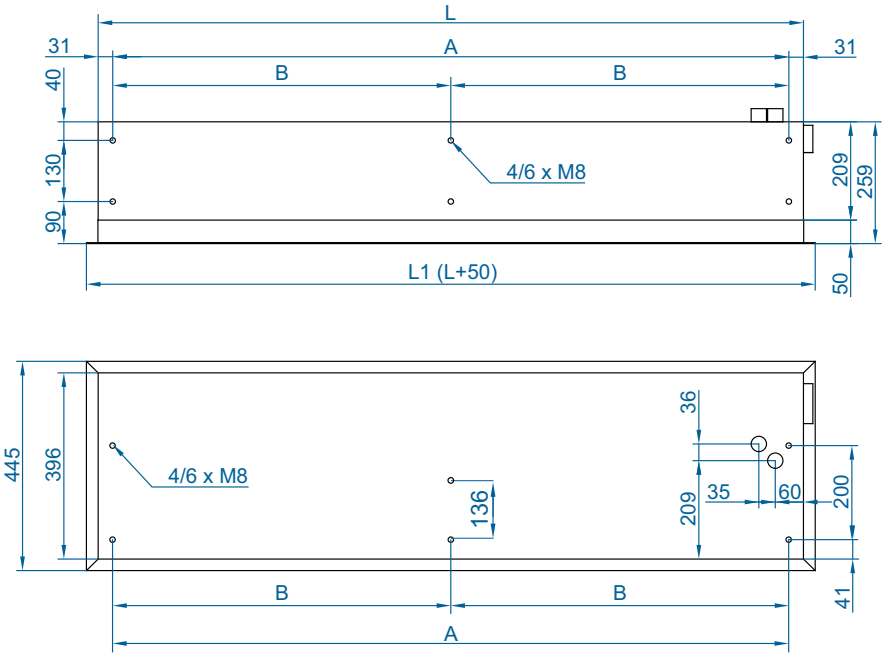
Model	Airflow	Heating capacity 80/60ºC	Water pressure drop	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	Pa	W	A	dB(A)	kg
RO 1000 P	1450	8,3	7360	80	0,41	37/51	26,5
RO 1500 P	2175	13,0	7480	117	0,53	38/52	37,5
RO 2000 P	2850	17,5	6810	160	0,82	40/54	49

Water heated: connection pipes 1/2" female. 2 rows coil.

Selection program

Dimensions





	L	L1	A	B
RO 1000	1000	1050	938	-
RO 1500	1500	1550	1438	-
RO 2000	2000	2050	1938	969

Optional accessories

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-2HO-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Sensors and valves

Mechanical door contact
MEC-DC

Magnetic door contact
MAG-DC

External Temperature Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Technical Features

Standard:
Cover RAL 9016
Casing RAL 9006

Other colours on request

Stainless steel

Range
Up to 2,8 m

Airflow / Length
1450 - 3200 m³/h
1 m to 2 m

Fan
Tangential
2-speed

Heating type
E : electrical 2 stages
P : water
A : unheated

Heating capacity
E : 3,8 - 11,3 kW
P : 8,3 -17,1 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised steel

Inlet grille
Hexagonal perforated

Outlet lamellas
Aluminium, airfoil type

The innovative concept of a decorative recessed air curtain for fully visible installation. It is designed to be integrated into modern premises with contemporary architecture or industrial style. The decorative integral cover is available in different colours to blend in with the surrounding decoration.
The front panel is ideal for customising with logos, lighting, lettering or signage, according to the customer's requirements.
It incorporates tangential fans with low noise twisted profile turbine 2-speed external rotor motor.
Includes a Plug&Play wall-mounted controller with 7m RJ45 cable, plus a remote control. Optionally, it can be regulated with the Clever Advanced Control (programmable, automatic, intelligent, compatible with Modbus RTU for PLC).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	dB(A)	kg
TOP 1000 A	1700	80	0,41	35/50	23
TOP 1500 A	2200	117	0,53	36/51	33
TOP 2000 A	3200	160	0,82	38/53	43,5

ELECTRICAL HEATED

Model	Airflow	Electrical heating capacity (**)	Power supply	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW		W	A	dB(A)	kg
TOP 1000 E	1700	4/6	400Vx3	80	0,41	35/50	25
TOP 1000 E-9	1700	6/9	400Vx3	80	0,41	35/50	26
TOP 1000 E230	1700	3,8/5,6	230Vx1	80	0,41	35/50	25
TOP 1500 E	2200	6/9	400Vx3	117	0,53	36/51	36,5
TOP 1500 E230-6	2200	3,8/5,6	230Vx1	117	0,53	36/51	36,5
TOP 1500 E230-9	2200	6/9	230Vx1(*)	117	0,53	36/51	36,5
TOP 2000 E	3200	5,6/11,3	400Vx3	160	0,82	38/53	52,5
TOP 2000 E230	3200	5.6/11,3	230Vx1(*)	160	0,82	38/53	52,5

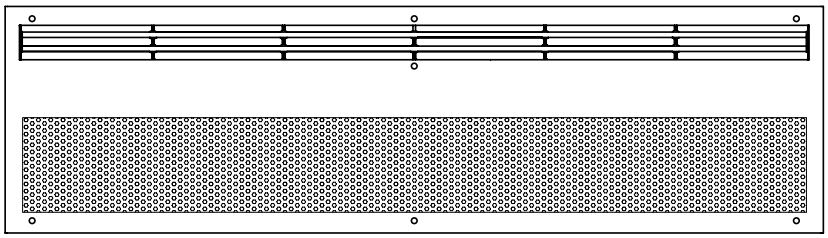
(*) 2 separated power supplies. (**) Under request other electrical heating power can be limited.

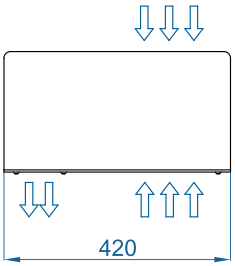
WATER HEATED

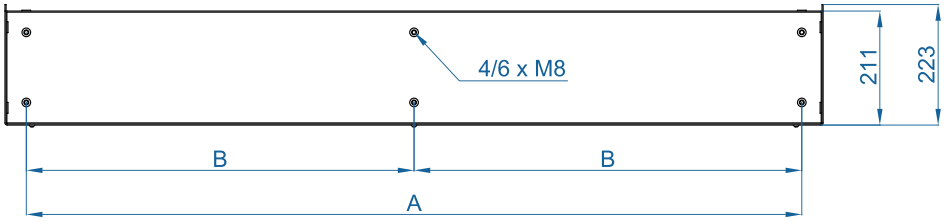
Model	Airflow	Heating capacity 80/60°C	Water pressure drop	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	Pa	W	A	dB(A)	kg
TOP 1000 P	1450	8,3	7360	80	0,41	37/51	25,5
TOP 1500 P	2175	13,0	7480	117	0,53	38/52	36,5
TOP 2000 P	2850	17,1	6810	160	0,82	40/54	48

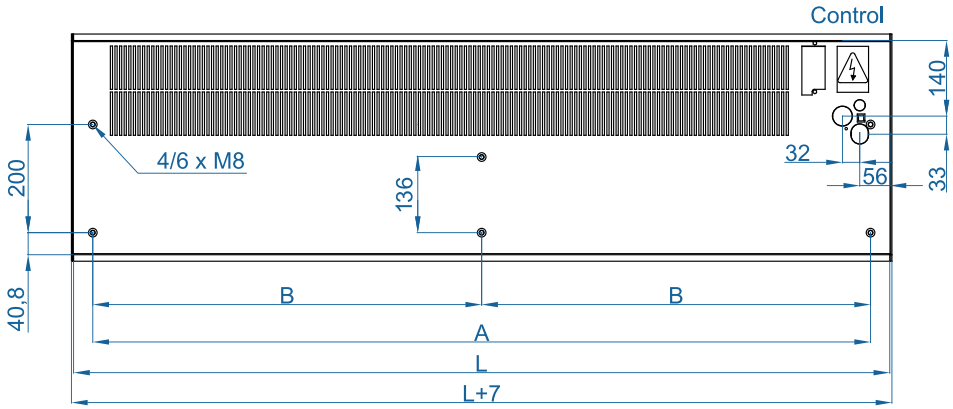
Water heated: connection pipes 1/2" female. 2 rows coil.

Dimensions









	L	A	B
TOP 1000	1010	938	-
TOP 1500	1510	1438	-
TOP 2000	2010	1938	969

Selection program

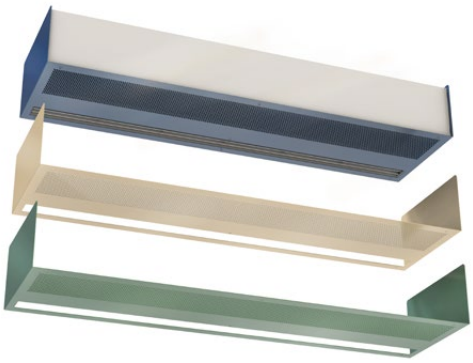
CAD drawings, BIM files, installation manuals and other documentation

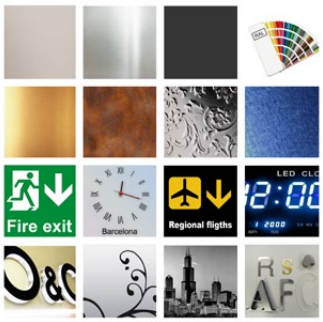
CAD BIM

Finishes

The front panel is designed to include graphics, logos, illuminated signs, signage, clocks or any other decorative element desired by the customer. It is also available in any colour from the RAL chart or in stainless steel.

The decorative integral cover is available in different colours or with stainless steel finish, to blend in with the surrounding decoration.





WATCH VIDEO

Optional accessories

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-2HO-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Sensors and valves

Mechanical door contact
MEC-DC

Magnetic door contact
MAG-DC

External Temperature
Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 2,8 m

Airflow / Length
1200 - 2900 m³/h
1 m to 2 m

Fan
Tangential
2-speed

Heating type
E : electrical 2 stages
P : water
A : unheated

Heating capacity
E : 3,8 - 11,3 kW
P : 8,2 - 16,7 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised steel

Inlet grille
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type

ARIS contemporary, discreet and elegant air curtain that features a smooth front panel with rounded edges and shapes, customizable with logos, lighting, signage or safety and informational signs. The inlet grille is hidden in the upper part, thus avoiding the internal vision of the air curtain.
It incorporates tangential fans with low noise twisted profile turbine and 2-speed external rotor motor.
Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	W	A	dB(A)	kg
ARIS 1000 A	1500	80	0,41	34/48	20
ARIS 1500 A	2150	117	0,53	35/49	29
ARIS 2000 A	2900	160	0,82	37/51	38

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity (**)	Power supply	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW		W	A	dB(A)	kg
ARIS 1000 E	1500	3,8/5,6	400Vx3	80	0,41	34/48	23
ARIS 1000 E-9	1500	6/9	400Vx3	80	0,41	34/48	23
ARIS 1000 E230	1500	3,8/5,6	230Vx1	80	0,41	34/48	24
ARIS 1500 E	2150	6/9	400Vx3	117	0,53	35/49	31
ARIS 1500 E230-6	2150	3,8/5,6	230Vx1	117	0,53	35/49	31
ARIS 1500 E230-9	2150	6/9	230Vx1 (*)	117	0,53	35/49	31
ARIS 2000 E	2900	5,6/11,3	400Vx3	160	0,82	37/51	47
ARIS 2000 E230	2900	5,6/11,3	230Vx1 (*)	160	0,82	37/51	47

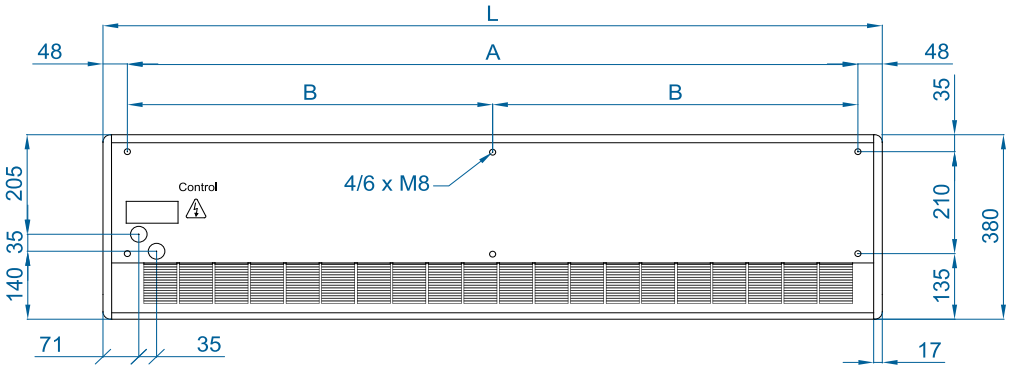
(*) 2 separated power supplies. (**) Under request other electrical heating power can be limited.

WATER HEATED

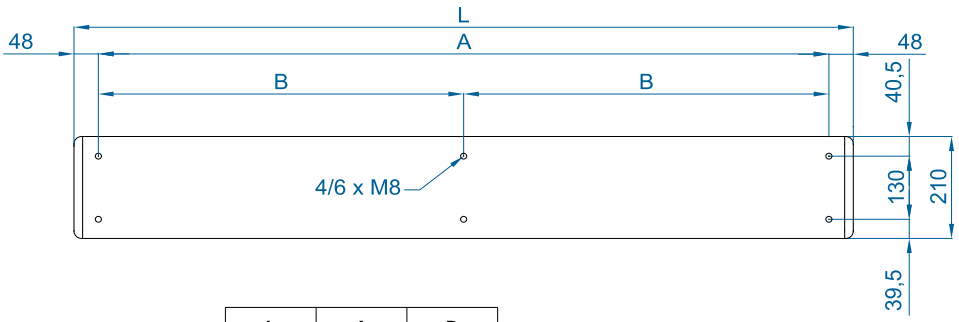
Model	Airflow	Heating capacity 80/60°C	Water pressure drop	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	Pa	W	A	dB(A)	kg
ARIS 1000 P	1400	8,2	7090	80	0,41	36/29	23
ARIS 1500 P	2100	12,7	7200	117	0,53	37/51	31
ARIS 2000 P	2750	16,7	6550	160	0,82	39/52	42,5

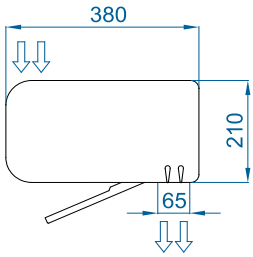
Water heated: connection pipes 1/2" female. 2 rows coil.

Dimensions



Smooth or customizable front panel with logos, lighting or signage





	L	A	B
ARIS 1000	1034	940	-
ARIS 1500	1534	1440	-
ARIS 2000	2034	1940	970

Selection program

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Optional accessories

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-2HO-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Sensors and valves

Mechanical door contact
MEC-DC

Magnetic door contact
MAG-DC

External Temperature Sensor (Clever Control)

Solenoid valve
V-S

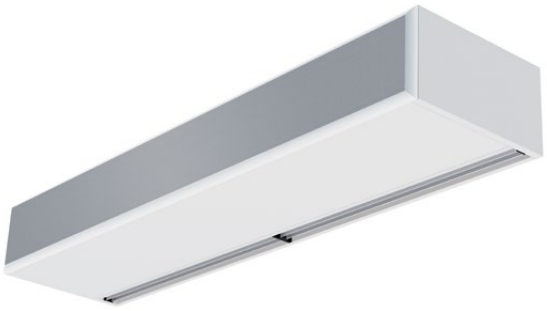
Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

Technical Features



RAL 9016 standard

Other colors on request

Stainless steel

Range
Up to 4,2 m

Airflow / Length
1660 - 7200 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 8,5 - 40,3 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Micro-perforated with prefilter function

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust air curtain from our standard range with a timeless design, ready for visible installation over the door and prepared for multiple false ceiling installation configurations.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
M 1000 A	1800	0,212	0,94	55	31
M 1500 A	2700	0,318	1,41	56	46
M 2000 A	3600	0,424	1,88	57	58
M 2500 A	4500	0,530	2,35	58	72
M 3000 A	5400	0,636	2,82	59	86
ECM 1000 A	1840	0,142	1,24	56	31
ECM 1500 A	2760	0,213	1,86	57	46
ECM 2000 A	3680	0,284	2,48	58	58
ECM 2500 A	4600	0,355	3,10	59	72
ECM 3000 A	5520	0,426	3,72	60	86
G 1000 A	2400	0,642	2,85	57	43
G 1500 A	3200	0,856	3,80	58	51
G 2000 A	4800	1,284	5,70	59	80
G 2500 A	5600	1,498	6,65	60	84
G 3000 A	6400	1,712	7,60	61	95
ECG 1000 A	2700	0,213	1,86	61	43
ECG 1500 A	3600	0,284	2,48	62	51
ECG 2000 A	5400	0,426	3,72	63	80
ECG 2500 A	6300	0,497	4,34	64	84
ECG 3000 A	7200	0,568	5,96	65	95

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
M 1000 E	1800	3/6/9	0,212	0,94	55	37
M 1500 E	2700	4/8/12	0,318	1,41	56	57
M 2000 E	3600	6/12/18	0,424	1,88	57	75
M 2500 E	4500	6/12/18	0,530	2,35	58	94
M 3000 E	5400	8/16/24	0,636	2,82	59	112
ECM 1000 E	1840	3/6/9	0,142	1,24	56	37
ECM 1500 E	2760	4/8/12	0,213	1,86	57	57
ECM 2000 E	3680	6/12/18	0,284	2,48	58	75
ECM 2500 E	4600	6/12/18	0,355	3,10	59	94
ECM 3000 E	5520	8/16/24	0,426	3,72	60	112
G 1000 E	2400	5/10/15	0,642	2,85	57	52
G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	63
G 2000 E	4800	10/20/30	1,284	5,70	59	100
G 2500 E	5600	10/20/30	1,498	6,65	60	106
G 3000 E	6400	10/20/30	1,712	7,60	61	120
ECG 1000 E	2700	5/10/15	0,213	1,86	61	52
ECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	63
ECG 2000 E	5400	10/20/30	0,426	3,72	63	100
ECG 2500 E	6300	10/20/30	0,497	4,34	64	106
ECG 3000 E	7200	10/20/30	0,568	5,96	65	120

(*) Under request other electrical heating power can be limited.

WATER HEATED

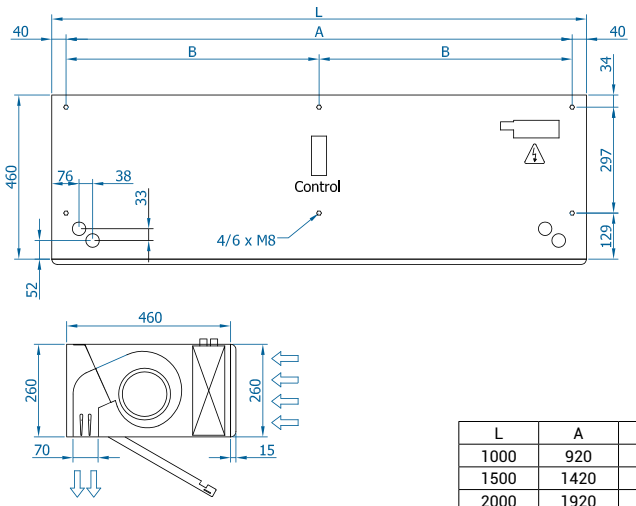
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
M 1000 P	1660	9,17	880	8,56	4370	8,52	1220	0,428	1,90	56	35
M 1500 P	2490	14,26	760	13,69	6460	14,34	4480	0,642	2,85	57	53
M 2000 P	3320	20,65	1930	18,26	4790	18,65	2060	0,856	3,80	58	69
M 2500 P	4150	26,92	3810	22,12	3850	24,32	4040	1,070	4,75	59	86
M 3000 P	4980	33,24	6590	28,37	6760	29,77	5660	1,280	5,70	60	103
ECM 1000 P	1720	9,38	920	8,77	4560	8,74	1280	0,142	1,24	56	35
ECM 1500 P	2580	14,58	790	14,02	6730	14,71	4690	0,213	1,86	57	53
ECM 2000 P	3440	21,12	2010	18,70	4990	19,13	2150	0,284	2,48	58	69
ECM 2500 P	4300	27,53	3960	23,33	4010	24,95	4230	0,355	3,10	59	86
ECM 3000 P	5160	33,99	6860	29,05	7050	30,54	5920	0,426	3,72	60	103
G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	50
G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	59
G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	92
G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	96
G 3000 P	6000	37,35	8110	32,10	8410	34,03	7180	1,712	7,60	61	109
ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	61	50
ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	59
ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	92
ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	96
ECG 3000 P	6800	40,34	9290	34,81	9710	37,16	8400	0,568	5,96	65	109

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions

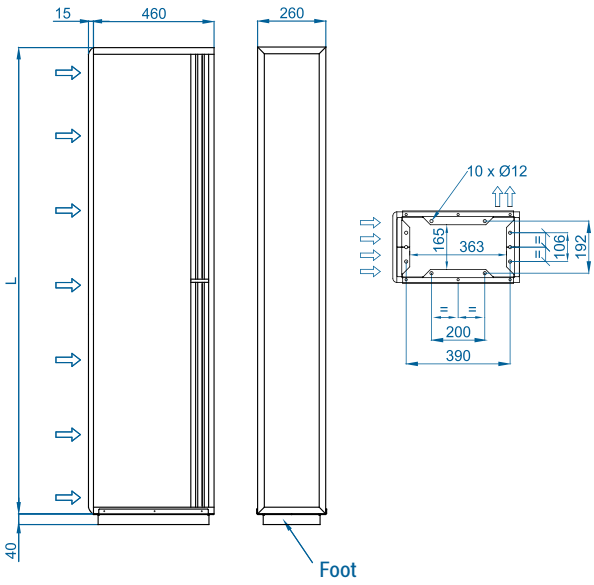
Horizontal installation



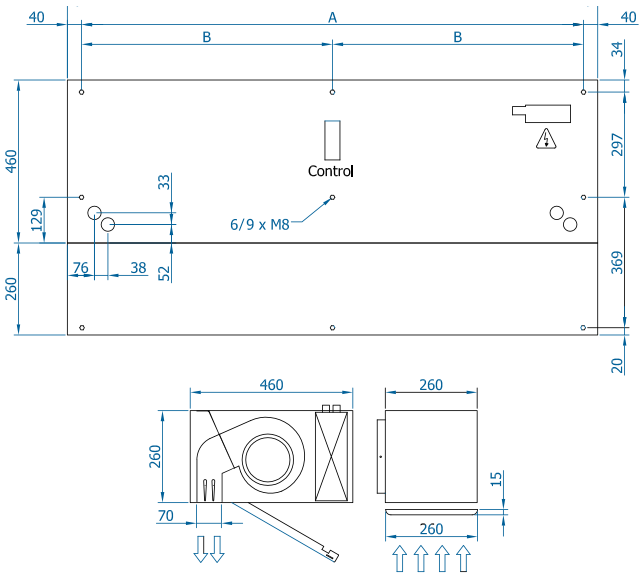
L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460

Customizable dimensions on request.

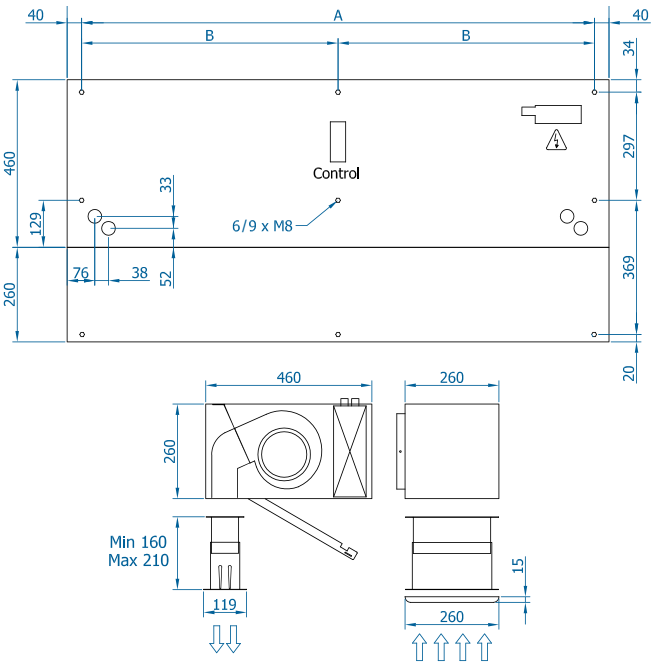
Vertical installation



Inside ceiling surface mounting



False ceiling invisible mounting



CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Installation Configurations

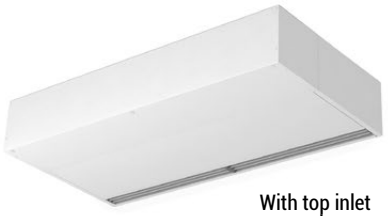

With inlet kit

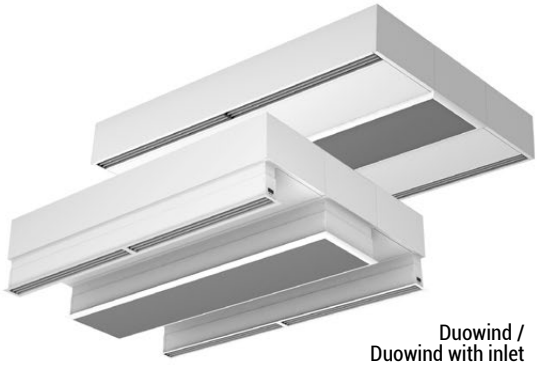

With outlet kit


With inlet and outlet kit


With plenum


With plenum and kits


With top inlet plenum


Duowind / Duowind with inlet and outlet kits


With flat inlet and outlet kits


With plenum and recessed frame accessory

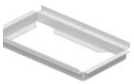
Optional accessories

Supports and installation

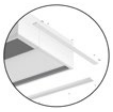

Wall rail supports SPWR


Silentblock supports SPANG-SIL / SLB


Suspension cables SPCT


Foot support SPF-WINDBOX MG (Galv. / SS)


Joining kit SPJ-MG (Galv. / SS)


False Ceiling Frame Kit


Flat inlet and outlet kits


Service tray between ID and OD


Double heater

Control


IR Control
✔ Included


Basic Control
✔ Included


Clever Control Kit


RJ45 Cable
✔ Included


Hand-Auto CH-5HW-NE


Ambient thermostat T6360


Interface kit IN-NE-II

Filters


Removable prefilter G2

Sensors and valves


Magnetic door contact MAG-DC


Mechanical door contact MEC-DC


External Temperature Sensor (Clever Control)


Solenoid valve V-S


Valve 3 ways V-T

Condensation


Proportional valve V-ACT


Anti-freezing sensor AFS-INS


Condensation tray

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 4,2 m

Airflow / Length
1660 - 6300 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 8,5 - 33,6 kW

Control
Plug&Play manual regulator
+ IR remote control
(Optional Clever Control)

Casing
Galvanised Steel

Grille type
Suction lamellas

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15º each side

[*] Consult separate DX catalogs

RECESSED WINDBOX is a high pressure compact and robust air curtain from our standard range with a timeless and visually pleasing design. It is specially designed for recessed installation in false ceilings. It is a suitable air curtain for all types of commercial entrances.
Inlet grille made with aluminium profiles and blow-out nozzle, integrated in a single white frame colour RAL 9016. Other colours are available on request.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
RM 1000 A	1800	0,212	0,94	55	57
RM 1500 A	2700	0,318	1,41	56	85
RM 2000 A	3600	0,424	1,88	57	109
RM 2500 A	4500	0,530	2,35	58	137
RECM 1000 A	1840	0,142	1,24	56	57
RECM 1500 A	2760	0,213	1,86	57	85
RECM 2000 A	3680	0,284	2,48	58	109
RECM 2500 A	4600	0,355	3,10	59	137
RG 1000 A	2400	0,642	2,85	57	61
RG 1500 A	3200	0,856	3,80	58	90
RG 2000 A	4800	1,284	5,70	59	118
RG 2500 A	5600	1,498	6,65	60	145
RECG 1000 A	2700	0,213	1,86	61	61
RECG 1500 A	3600	0,284	2,48	62	90
RECG 2000 A	5400	0,426	3,72	63	118
RECG 2500 A	6300	0,497	4,34	64	145

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
RM 1000 E	1800	3/6/9	0,212	0,94	55	65
RM 1500 E	2700	4/8/12	0,318	1,41	56	98
RM 2000 E	3600	6/12/18	0,424	1,88	57	130
RM 2500 E	4500	6/12/18	0,530	2,35	58	162
RECM 1000 E	1840	3/6/9	0,142	1,24	56	65
RECM 1500 E	2760	4/8/12	0,213	1,86	57	98
RECM 2000 E	3680	6/12/18	0,284	2,48	58	130
RECM 2500 E	4600	6/12/18	0,355	3,10	59	162
RG 1000 E	2400	5/10/15	0,642	2,85	57	70
RG 1500 E	3200	7,5/15/22,5	0,856	3,80	58	104
RG 2000 E	4800	10/20/30	1,284	5,70	59	140
RG 2500 E	5600	10/20/30	1,498	6,65	60	172
RECG 1000 E	2700	5/10/15	0,213	1,86	61	70
RECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	104
RECG 2000 E	5400	10/20/30	0,426	3,72	63	140
RECG 2500 E	6300	10/20/30	0,497	4,34	64	172

(*) Under request other electrical heating power can be limited.

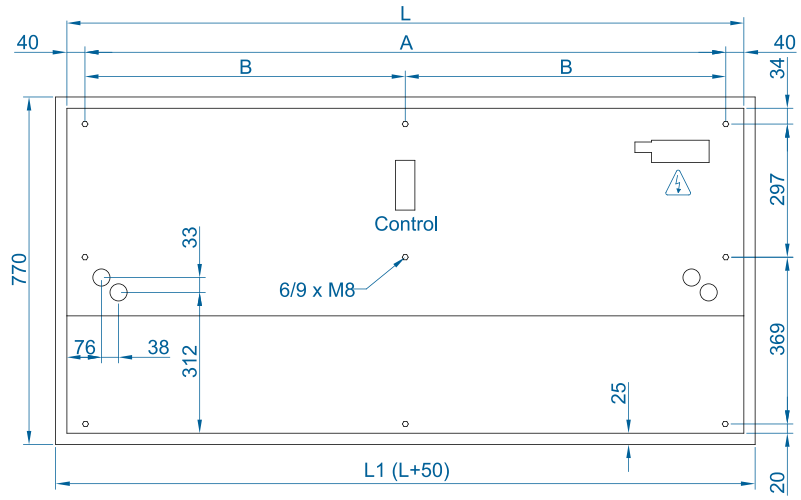
WATER HEATED

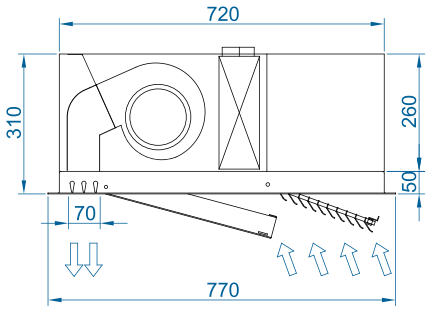
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
RM 1000 P	1660	9,17	880	8,56	4370	8,52	1220	0,428	1,90	56	63
RM 1500 P	2490	14,26	760	13,69	6460	14,34	4480	0,642	2,85	57	93
RM 2000 P	3320	20,65	1930	18,26	4790	18,65	2060	0,856	3,80	58	122
RM 2500 P	4150	26,92	3810	22,12	3850	24,32	4040	1,070	4,75	59	153
RECM 1000 P	1720	9,38	920	8,77	4560	8,74	1280	0,142	1,24	56	63
RECM 1500 P	2580	14,58	790	14,02	6730	14,71	4690	0,213	1,86	57	93
RECM 2000 P	3440	21,12	2010	18,70	4990	19,13	2150	0,284	2,48	58	122
RECM 2500 P	4300	27,53	3960	23,33	4010	24,95	4230	0,355	3,10	59	153
RG 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	67
RG 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	98
RG 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	131
RG 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	163
RECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	61	67
RECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	98
RECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	131
RECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	163

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions





	L	L1	A	B
RWIN 1000	1000	1050	920	-
RWIN 1500	1500	1550	1420	710
RWIN 2000	2000	2050	1920	960
RWIN 2500	2500	2550	2420	1210

Optional accessories

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-5HW-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Filters

Removable
prefilter G2

Sensors and valves

Magnetic
door contact MAG-DC

Mechanical
door contact MEC-DC

External Temperature
Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

Condensation tray

Technical Features

RAL 9016 standard

Other colors on request

Stainless steel

Range
Up to 4,2 m

Airflow / Length
1660 - 7200 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 8,5 - 40,3 kW

Control
Plug&Play manual regulator
+ IR remote control
(Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Circular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

DAM is an air curtain from the standard range that stands out for its versatility and the design of its front part. The classic suction grille has been efficiently replaced by a front panel that can be customised with logos, signage, graphics or images providing a modern and clean view of the equipment. The double air inlet areas are located behind the front panel avoiding intensive maintenance.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V-50Hz	Ventilation current 230V-50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
DAM M 1000 A	1800	0,212	0,94	55	38
DAM M 1500 A	2700	0,318	1,41	56	56
DAM M 2000 A	3600	0,424	1,88	57	70
DAM M 2500 A	4500	0,530	2,35	58	76
DAM M 3000 A	5400	0,636	2,82	59	88
DAM ECM 1000 A	1840	0,142	1,24	56	38
DAM ECM 1500 A	2760	0,213	1,86	57	56
DAM ECM 2000 A	3680	0,284	2,48	58	70
DAM ECM 2500 A	4600	0,355	3,10	59	76
DAM ECM 3000 A	5520	0,426	3,72	60	88
DAM G 1000 A	2400	0,642	2,85	57	42
DAM G 1500 A	3200	0,856	3,80	58	61
DAM G 2000 A	4800	1,284	5,70	59	80
DAM G 2500 A	5600	1,498	6,65	60	86
DAM G 3000 A	6400	1,712	7,60	61	98
DAM ECG 1000 A	2700	0,213	1,86	61	42
DAM ECG 1500 A	3600	0,284	2,48	62	61
DAM ECG 2000 A	5400	0,426	3,72	63	80
DAM ECG 2500 A	6300	0,497	4,34	64	86
DAM ECG 3000 A	7200	0,568	5,96	65	98

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
DAM M 1000 E	1800	3/6/9	0,212	0,94	55	45
DAM M 1500 E	2700	4/8/12	0,318	1,41	56	68
DAM M 2000 E	3600	6/12/18	0,424	1,88	57	88
DAM M 2500 E	4500	6/12/18	0,530	2,35	58	96
DAM M 3000 E	5400	8/16/24	0,636	2,82	59	111
DAM ECM 1000 E	1840	3/6/9	0,142	1,24	56	45
DAM ECM 1500 E	2760	4/8/12	0,213	1,86	57	68
DAM ECM 2000 E	3680	6/12/18	0,284	2,48	58	88
DAM ECM 2500 E	4600	6/12/18	0,355	3,10	59	96
DAM ECM 3000 E	5520	8/16/24	0,426	3,72	60	111
DAM G 1000 E	2400	5/10/15	0,642	2,85	57	50
DAM G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	74
DAM G 2000 E	4800	10/20/30	1,284	5,70	59	98
DAM G 2500 E	5600	10/20/30	1,498	6,65	60	106
DAM G 3000 E	6400	10/20/30	1,712	7,60	61	121
DAM ECG 1000 E	2700	5/10/15	0,213	1,86	61	50
DAM ECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	74
DAM ECG 2000 E	5400	10/20/30	0,426	3,72	63	98
DAM ECG 2500 E	6300	10/20/30	0,497	4,34	64	106
DAM ECG 3000 E	7200	10/20/30	0,568	5,96	65	121

(*) Under request other electrical heating power can be limited.

WATER HEATED

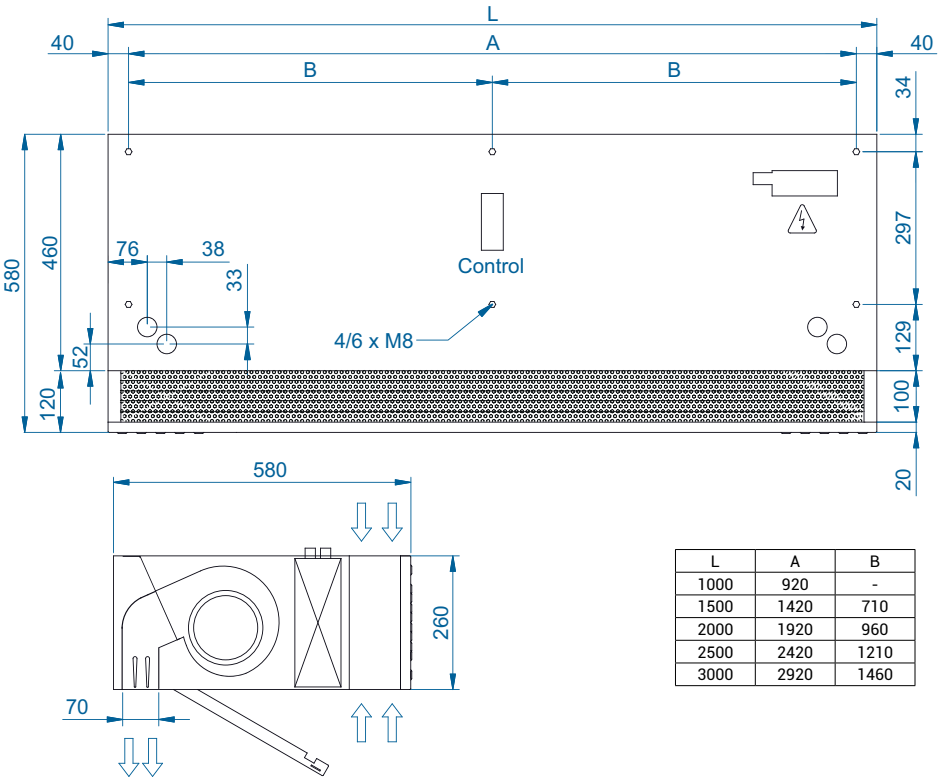
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
DAM M 1000 P	1660	9,17	880	8,56	4370	8,52	1220	0,428	1,90	56	43
DAM M 1500 P	2490	14,26	760	13,69	6460	14,34	4480	0,642	2,85	57	64
DAM M 2000 P	3320	20,65	1930	18,26	4790	18,65	2060	0,856	3,80	58	81
DAM M 2500 P	4150	26,92	3810	22,12	3850	24,32	4040	1,070	4,75	59	89
DAM M 3000 P	4980	33,24	6590	28,37	6760	29,77	5660	1,280	5,70	60	103
DAM ECM 1000 P	1720	9,38	920	8,77	4560	8,74	1280	0,142	1,24	56	43
DAM ECM 1500 P	2580	14,58	790	14,02	6730	14,71	4690	0,213	1,86	57	64
DAM ECM 2000 P	3440	21,12	2010	18,70	4990	19,13	2150	0,284	2,48	58	81
DAM ECM 2500 P	4300	27,53	3960	23,33	4010	24,95	4230	0,355	3,10	59	89
DAM ECM 3000 P	5160	33,99	6860	29,05	7050	30,54	5920	0,426	3,72	60	103
DAM G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	48
DAM G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	70
DAM G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	91
DAM G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	97
DAM G 3000 P	6000	37,35	8110	32,10	8410	34,03	7180	1,712	7,60	61	111
DAM ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	61	48
DAM ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	70
DAM ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	91
DAM ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	97
DAM ECG 3000 P	6800	40,34	9290	34,81	9710	37,16	8400	0,568	5,96	65	111

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions

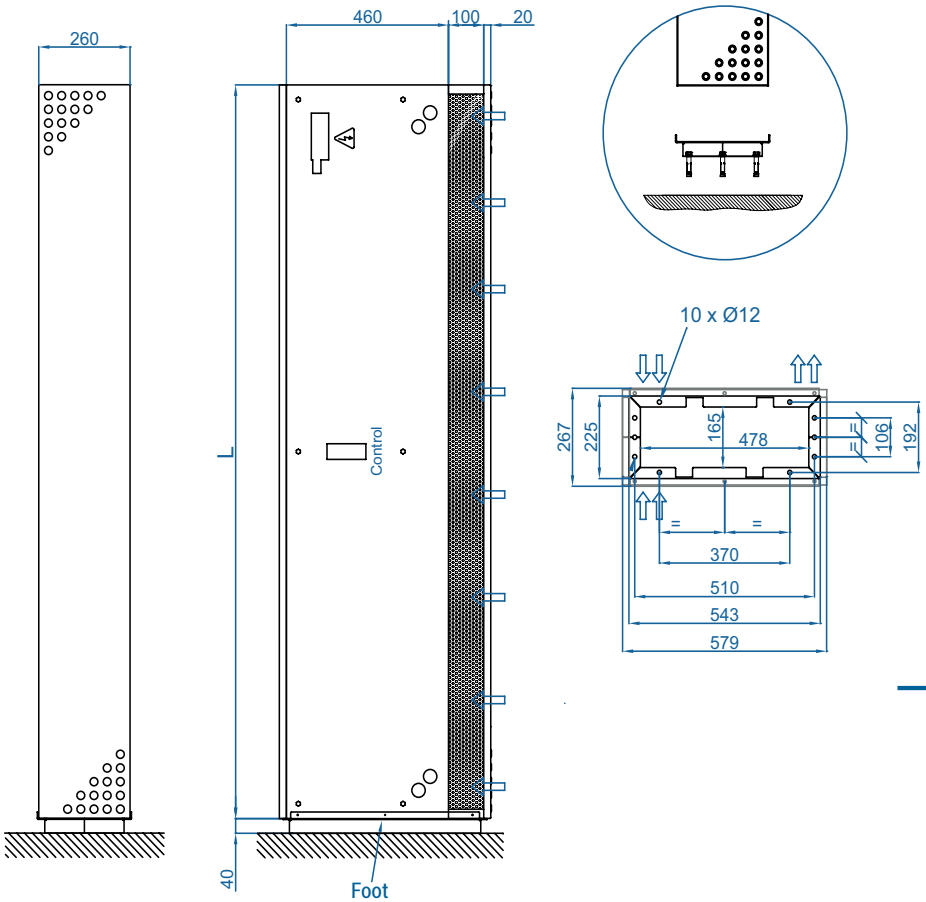
Horizontal installation



L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460

Customizable dimensions on request.

Vertical installation



CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

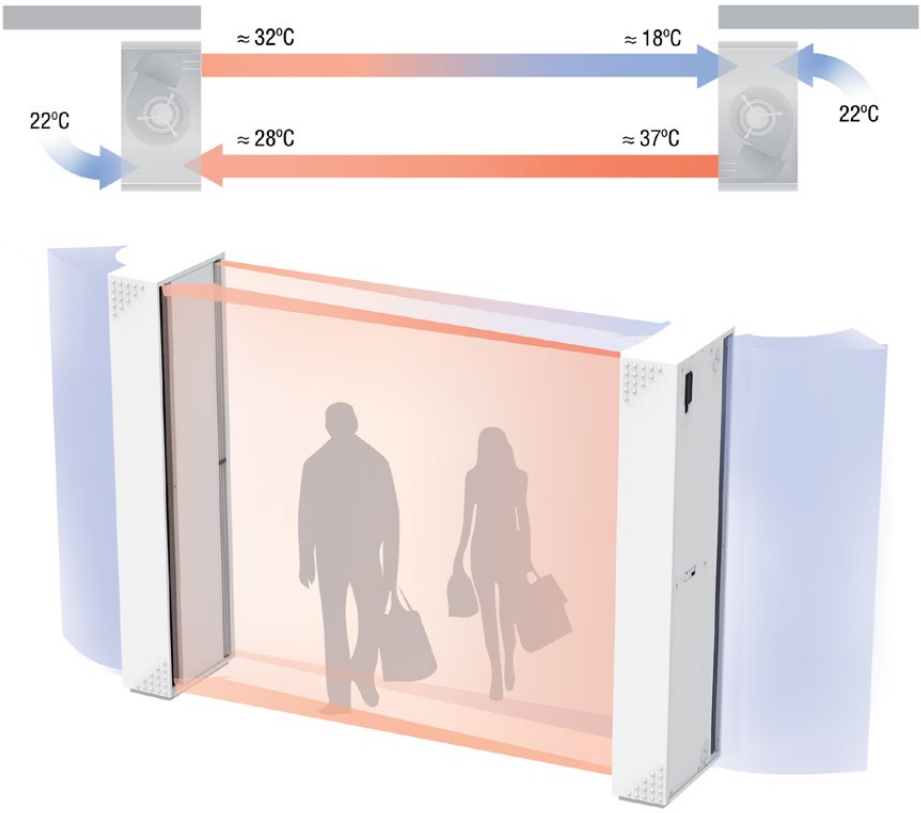
Dam Twin application

DAM TWIN system is an optimal solution for installations with very adverse conditions.

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

At the end of each jet there is the inlet of the other air curtain helping to close the air barrier. This double jet works as a closed circuit creating a separation zone at the door entrance.

WATCH VIDEO



Optional accessories

Supports and installation

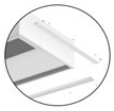

Wall rail supports SPWR


Silentblock supports SPANG-SIL / SLB


Suspension cables SPCT


Foot support SPF-DAM (Galv. / SS)


Joining kit SPJ-MG (Galv. / SS)


False Ceiling Frame Kit

Control


IR Control
✔ Included


Basic Control
✔ Included


Clever Control Kit


RJ45 Cable
✔ Included


Hand-Auto CH-5HW-NE


Ambient thermostat T6360


Interface kit IN-NE-II

Filters


Removable prefilter G2

Sensors and valves


Magnetic door contact MAG-DC


Mechanical door contact MEC-DC


External Temperature Sensor (Clever Control)


Solenoid valve V-S


Valve 3 ways V-T

Condensation


Proportional valve V-ACT


Anti-freezing sensor AFS-INS


Condensation tray

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 4,2 m

Airflow / Length
1660 - 6300 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 8,5 - 33,6 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel

Grille type
Suction lamellas + Rectangular perforated

Outlet lamellas
Aluminium

[*] Consult separate DX catalogs

RECESSED DAM is a high pressure compact and low profile air curtain from our standard range. It is specially designed for recessed installation in false ceilings, suitable for all types of commercial entrances. Its design is characterized by providing a full view of the inlet and outlet slatted grille, which is maintenance-free and is completely integrated into a single frame colour RAL 9016. Other colours are available on request.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
RDAM M 1000 A	1800	0,212	0,94	55	45
RDAM M 1500 A	2700	0,318	1,41	56	66
RDAM M 2000 A	3600	0,424	1,88	57	84
RDAM M 2500 A	4500	0,530	2,35	58	93
RDAM ECM 1000 A	1840	0,142	1,24	56	45
RDAM ECM 1500 A	2760	0,213	1,86	57	66
RDAM ECM 2000 A	3680	0,284	2,48	58	84
RDAM ECM 2500 A	4600	0,355	3,10	59	93
RDAM G 1000 A	2400	0,642	2,85	57	49
RDAM G 1500 A	3200	0,856	3,80	58	71
RDAM G 2000 A	4800	1,284	5,70	59	94
RDAM G 2500 A	5600	1,498	6,65	60	103
RDAM ECG 1000 A	2700	0,213	1,86	61	49
RDAM ECG 1500 A	3600	0,284	2,48	62	71
RDAM ECG 2000 A	5400	0,426	3,72	63	94
RDAM ECG 2500 A	6300	0,497	4,34	64	103

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
RDAM M 1000 E	1800	3/6/9	0,212	0,94	55	52
RDAM M 1500 E	2700	4/8/12	0,318	1,41	56	78
RDAM M 2000 E	3600	6/12/18	0,424	1,88	57	102
RDAM M 2500 E	4500	6/12/18	0,530	2,35	58	113
RDAM ECM 1000 E	1840	3/6/9	0,142	1,24	56	52
RDAM ECM 1500 E	2760	4/8/12	0,213	1,86	57	78
RDAM ECM 2000 E	3680	6/12/18	0,284	2,48	58	102
RDAM ECM 2500 E	4600	6/12/18	0,355	3,10	59	113
RDAM G 1000 E	2400	5/10/15	0,642	2,85	57	57
RDAM G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	84
RDAM G 2000 E	4800	10/20/30	1,284	5,70	59	112
RDAM G 2500 E	5600	10/20/30	1,498	6,65	60	123
RDAM ECG 1000 E	2700	5/10/15	0,213	1,86	61	57
RDAM ECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	84
RDAM ECG 2000 E	5400	10/20/30	0,426	3,72	63	112
RDAM ECG 2500 E	6300	10/20/30	0,497	4,34	64	123

(*) Under request other electrical heating power can be limited.

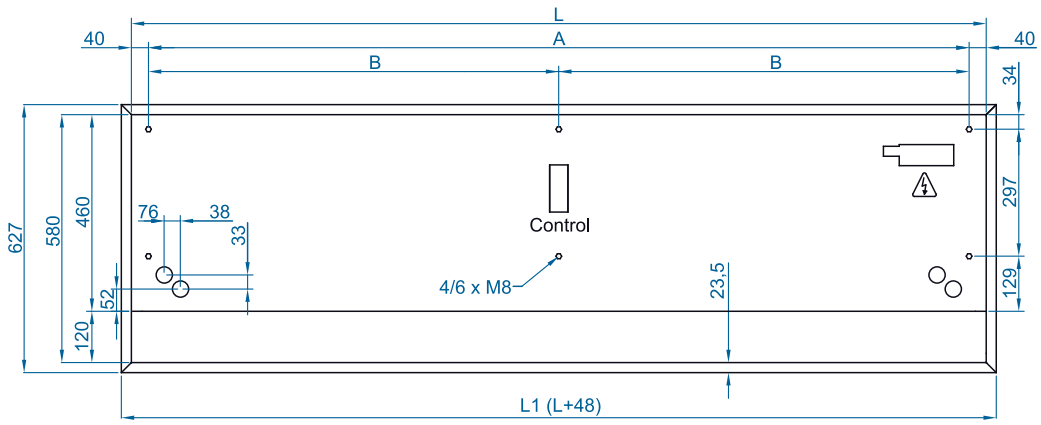
WATER HEATED

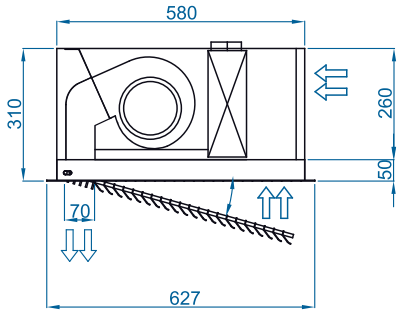
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
RDAM M 1000 P	1660	9,17	880	8,56	4370	8,52	1220	0,428	1,90	56	50
RDAM M 1500 P	2490	14,26	760	13,69	6460	14,34	4480	0,642	2,85	57	74
RDAM M 2000 P	3320	20,65	1930	18,26	4790	18,65	2060	0,856	3,80	58	95
RDAM M 2500 P	4150	26,92	3810	22,12	3850	24,32	4040	1,070	4,75	59	106
RDAM ECM 1000 P	1720	9,38	920	8,77	4560	8,74	1280	0,142	1,24	56	50
RDAM ECM 1500 P	2580	14,58	790	14,02	6730	14,71	4690	0,213	1,86	57	74
RDAM ECM 2000 P	3440	21,12	2010	18,70	4990	19,13	2150	0,284	2,48	58	95
RDAM ECM 2500 P	4300	27,53	3960	23,33	4010	24,95	4230	0,355	3,10	59	106
RDAM G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	55
RDAM G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	80
RDAM G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	105
RDAM G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	114
RDAM ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	61	55
RDAM ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	80
RDAM ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	105
RDAM ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	114

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions





	L	L1	A	B
RDAM 1000	1000	1050	920	-
RDAM 1500	1500	1550	1420	710
RDAM 2000	2000	2050	1920	960
RDAM 2500	2500	2550	2420	1210

Optional accessories

CAD drawings, BIM files, installation manuals and other documentation

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-5HW-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Filters

Removable
prefilter G2

Sensors and valves

Magnetic
door contact MAG-DC

Mechanical
door contact MEC-DC

External Temperature
Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

Condensation tray

Technical Features

RAL 9016 standard | Other colors on request | Stainless steel

Range
Up to 4,2 m

Airflow / Length
1860 - 7200 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 9,2 - 40,3 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

INVISAIR air curtain is designed to be installed invisibly in false ceilings and columns or drawers around the door. It is an ideal solution for those entrances that for architectural reasons require an air curtain installation that is fully integrated into the interior design of the building.
It can be vertically or horizontally mounted.
The air flow of Invisair follows a straight line from the air inlet grille to the to the discharge. Inlet area inside a bulkhead or column should be designed with suitable grille provided by others.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
IM 1000 A	1980	0,318	1,41	55	48
IM 1500 A	2640	0,424	1,88	56	55
IM 2000 A	3960	0,636	2,82	57	68
IM 2500 A	4620	0,742	3,29	58	73
IM 3000 A	5280	0,848	3,76	59	84
IG 1000 A	2400	0,642	2,85	57	53
IG 1500 A	3200	0,856	3,80	58	60
IG 2000 A	4800	1,284	5,70	59	78
IG 2500 A	5600	1,498	6,65	60	83
IG 3000 A	6400	1,712	7,60	61	94
IECG 1000 A	2700	0,213	1,86	61	53
IECG 1500 A	3600	0,284	2,48	62	60
IECG 2000 A	5400	0,426	3,72	63	78
IECG 2500 A	6300	0,497	4,34	64	83
IECG 3000 A	7200	0,568	5,96	65	94

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
IM 1000 E	1980	3/6/9	0,318	1,41	55	58
IM 1500 E	2640	4/8/12	0,424	1,88	56	67
IM 2000 E	3960	6/12/18	0,636	2,82	57	86
IM 2500 E	4620	6/12/18	0,742	3,29	58	93
IM 3000 E	5280	8/16/24	0,848	3,76	59	108
IG 1000 E	2400	5/10/15	0,642	2,85	57	64
IG 1500 E	3200	7,5/15/22,5	0,856	3,80	58	73
IG 2000 E	4800	10/20/30	1,284	5,70	59	96
IG 2500 E	5600	10/20/30	1,498	6,65	60	103
IG 3000 E	6400	10/20/30	1,712	7,60	61	118
IECG 1000 E	2700	5/10/15	0,213	1,86	61	64
IECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	73
IECG 2000 E	5400	10/20/30	0,426	3,72	63	96
IECG 2500 E	6300	10/20/30	0,497	4,34	64	103
IECG 3000 E	7200	10/20/30	0,568	5,96	65	118

(*) Under request other electrical heating power can be limited.

WATER HEATED

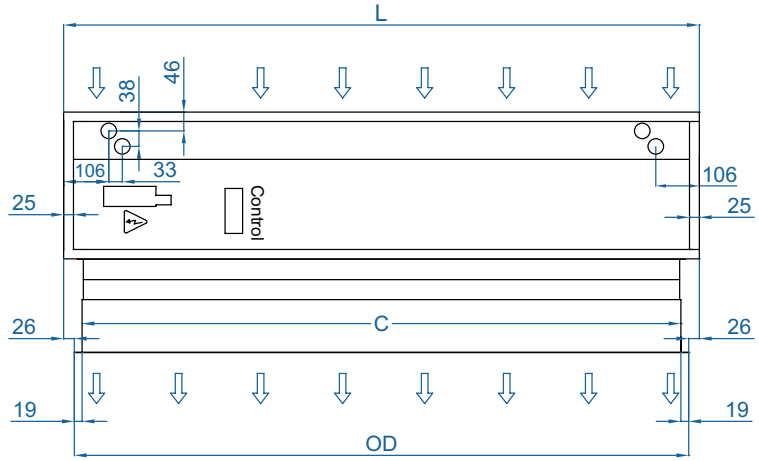
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
IM 1000 P	1860	9,84	1000	9,22	4990	-	-	0,318	1,41	55	55
IM 1500 P	2480	14,23	760	13,65	6430	-	-	0,424	1,88	56	63
IM 2000 P	3720	22,17	2190	19,70	5470	-	-	0,636	2,82	57	78
IM 2500 P	4340	27,69	4000	23,48	4060	-	-	0,742	3,29	58	86
IM 3000 P	4960	33,15	6560	28,29	6730	-	-	0,848	3,76	59	100
IG 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	60
IG 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	68
IG 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	89
IG 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	94
IG 3000 P	6000	37,35	8110	32,10	8410	34,03	7180	1,712	7,60	61	108
IECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	54	61
IECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	69
IECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	89
IECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	94
IECG 3000 P	6800	40,34	9290	34,81	9710	37,16	8400	0,568	5,96	65	108

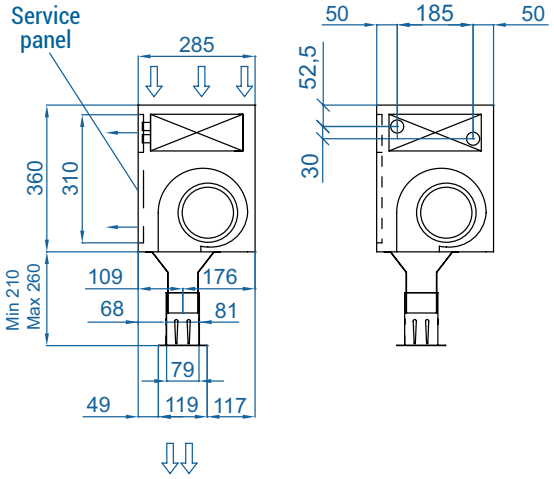
Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

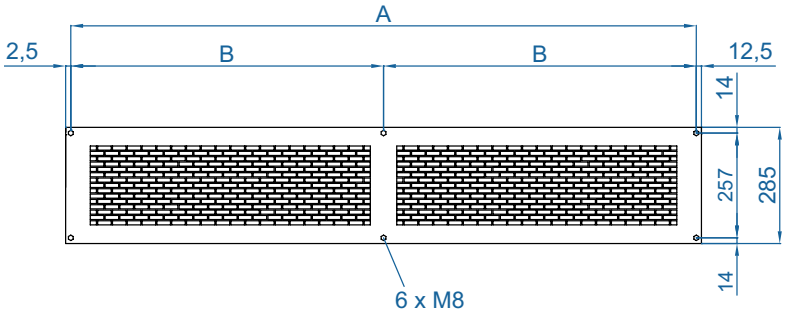
Selection program

Dimensions

Horizontal installation



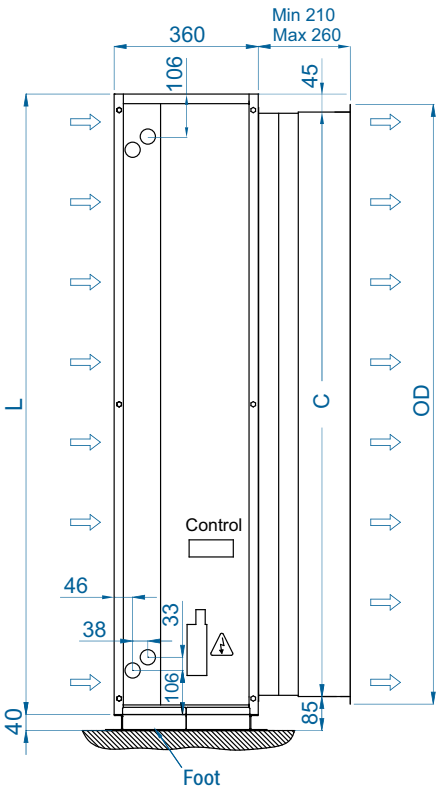


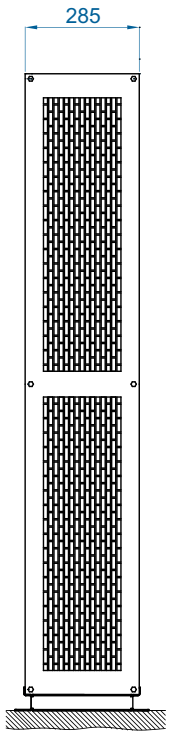


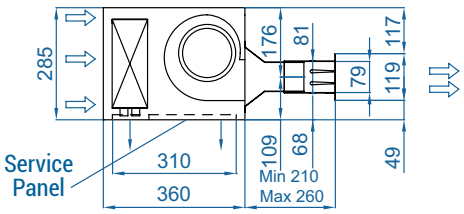
Invisair	L	A	B	C	OD
1000	1050	1025	.	961	998
1500	1550	1525	762,5	1461	1498
2000	2055	2030	1015	1961	1998
2500	2555	2530	1265	2461	2498
3000	3000	2975	1487,5	2961	2998

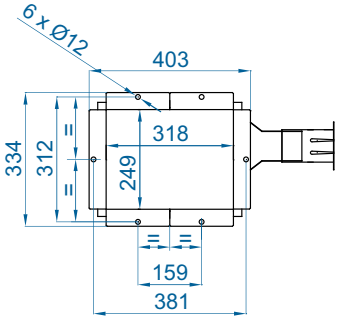
Customizable dimensions on request

Vertical installation









CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Installation configurations

Optional accessories

Supports and installation


Wall rail supports SPWR


Silentblock supports SPANG-SIL / SLB


Suspension cables SPCT


Wall angle support Invisair MG


Flat inlet grille


Foot support SPF-INVISAIR (Galv.)


Joining kit SPJ-INVISAIR (Galv.)

Control


IR Control
✔ Included


Basic Control
✔ Included


Clever Control Kit


RJ45 Cable
✔ Included


Hand-Auto CH-5HW-NE


Ambient thermostat T6360


Interface kit IN-NE-II

Filters


Removable prefilter G2

Sensors and valves


Magnetic door contact MAG-DC


Mechanical door contact MEC-DC


External Temperature Sensor (Clever Control)


Solenoid valve V-S


Valve 3 ways V-T

Condensation


Proportional valve V-ACT


Anti-freezing sensor AFS-INS


Condensation tray

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 4,2 m

Airflow / Length
1660 - 7200 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 8,5 - 40,3 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Slotted perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

SMART air curtain combines the best technological features with high quality design and finishes. Contemporary, discreet and elegant, it is provided with smooth frontal panel as the air entrance is hidden and placed at the upper side, out of sight, thus avoiding interior vision of the air curtain and the grille. SMART is halfway between the standard and the decorative range, and it is of great value for commercial and public spaces that need to ensure an efficient and sustainable climatization, without bursting into the interior architecture and design of the premises.

SMART works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
SMART M 1000 A	1800	0,212	0,94	53	34
SMART M 1500 A	2700	0,318	1,41	54	50
SMART M 2000 A	3600	0,424	1,88	55	62
SMART M 2500 A	4500	0,530	2,35	56	66
SMART M 3000 A	5400	0,636	2,82	57	76
SMART ECM 1000 A	1840	0,142	1,24	54	34
SMART ECM 1500 A	2760	0,213	1,86	55	50
SMART ECM 2000 A	3680	0,284	2,48	56	62
SMART ECM 2500 A	4600	0,355	3,10	57	66
SMART ECM 3000 A	5520	0,426	3,72	58	76
SMART G 1000 A	2400	0,642	2,85	55	38
SMART G 1500 A	3200	0,856	3,80	56	55
SMART G 2000 A	4800	1,284	5,70	57	72
SMART G 2500 A	5600	1,498	6,65	58	76
SMART G 3000 A	6400	1,712	7,60	59	86
SMART ECG 1000 A	2700	0,213	1,86	59	38
SMART ECG 1500 A	3600	0,284	2,48	60	55
SMART ECG 2000 A	5400	0,426	3,72	61	72
SMART ECG 2500 A	6300	0,497	4,34	62	76
SMART ECG 3000 A	7200	0,568	5,96	63	86

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
SMART M 1000 E	1800	3/6/9	0,212	0,94	53	41
SMART M 1500 E	2700	4/8/12	0,318	1,41	54	62
SMART M 2000 E	3600	6/12/18	0,424	1,88	55	80
SMART M 2500 E	4500	6/12/18	0,530	2,35	56	86
SMART M 3000 E	5400	8/16/24	0,636	2,82	57	99
SMART ECM 1000 E	1840	3/6/9	0,142	1,24	54	41
SMART ECM 1500 E	2760	4/8/12	0,213	1,86	55	62
SMART ECM 2000 E	3680	6/12/18	0,284	2,48	56	80
SMART ECM 2500 E	4600	6/12/18	0,355	3,10	57	86
SMART ECM 3000 E	5520	8/16/24	0,426	3,72	58	99
SMART G 1000 E	2400	5/10/15	0,642	2,85	55	46
SMART G 1500 E	3200	7,5/15/22,5	0,856	3,80	56	68
SMART G 2000 E	4800	10/20/30	1,284	5,70	57	90
SMART G 2500 E	5600	10/20/30	1,498	6,65	58	96
SMART G 3000 E	6400	10/20/30	1,712	7,60	59	109
SMART ECG 1000 E	2700	5/10/15	0,213	1,86	59	46
SMART ECG 1500 E	3600	7,5/15/22,5	0,284	2,48	60	68
SMART ECG 2000 E	5400	10/20/30	0,426	3,72	61	90
SMART ECG 2500 E	6300	10/20/30	0,497	4,34	62	96
SMART ECG 3000 E	7200	10/20/30	0,568	5,96	63	109

(*) Under request other electrical heating power can be limited.

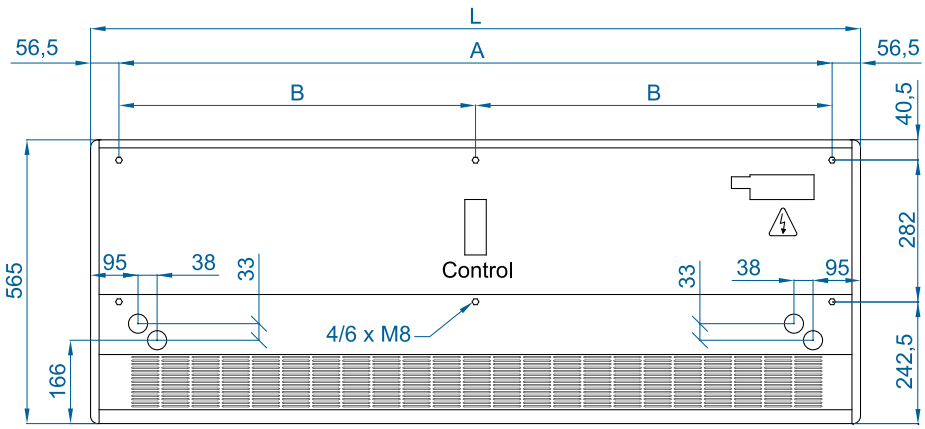
WATER HEATED

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
SMART M 1000 P	1660	9,17	880	8,56	4370	8,52	1220	0,428	1,90	54	39
SMART M 1500 P	2490	14,26	760	13,69	6460	14,34	4480	0,642	2,85	55	58
SMART M 2000 P	3320	20,65	1930	18,26	4790	18,65	2060	0,856	3,80	56	73
SMART M 2500 P	4150	26,92	3810	22,12	3850	24,32	4040	1,070	4,75	57	79
SMART M 3000 P	4980	33,24	6590	28,37	6760	29,77	5660	1,280	5,70	58	91
SMART ECM 1000 P	1720	9,38	920	8,77	4560	8,74	1280	0,142	1,24	54	39
SMART ECM 1500 P	2580	14,58	790	14,02	6730	14,71	4690	0,213	1,86	55	58
SMART ECM 2000 P	3440	21,12	2010	18,70	4990	19,13	2150	0,284	2,48	56	73
SMART ECM 2500 P	4300	27,53	3960	23,33	4010	24,95	4230	0,355	3,10	57	79
SMART ECM 3000 P	5160	33,99	6860	29,05	7050	30,54	5920	0,426	3,72	58	91
SMART G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	55	44
SMART G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	56	64
SMART G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	57	83
SMART G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	58	87
SMART G 3000 P	6000	37,35	8110	32,10	8410	34,03	7180	1,712	7,60	59	99
SMART ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	59	44
SMART ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	60	64
SMART ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	61	83
SMART ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	62	87
SMART ECG 3000 P	6800	40,34	9290	34,81	9710	37,16	8400	0,568	5,96	63	99

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

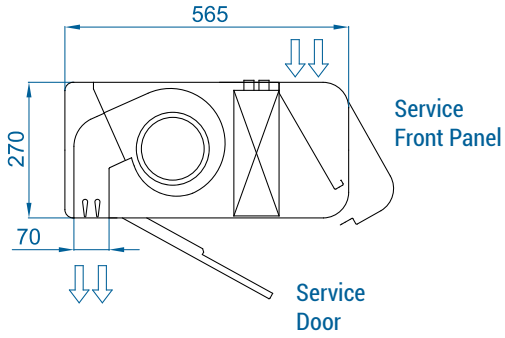
Selection program

Dimensions



	L	A	B
SMART 1000	1034	920	-
SMART 1500	1534	1420	710
SMART 2000	2034	1920	960
SMART 2500	2534	2420	1210
SMART 3000	3034	2920	1460

Customizable dimensions on request.



Smooth or customizable front panel
with logos, lighting or signage

Optional accessories

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Supports and installation

Wall rail supports
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-5HW-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Filters

Removable
prefilter G2

Sensors and valves

Magnetic
door contact MAG-DC

Mechanical
door contact MEC-DC

External Temperature
Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

Condensation tray

Technical Features

Casing: Black forge (standard)

Panels: Anodized aluminium (standard)

Panels: Stainless Steel (optional)

Other colors on request

Range
Up to 4,2 m

Airflow / Length
1860 - 6300 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 9,2 - 33,6 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

Decorative, minimalist and elegant, ZEN air curtain is it the favorite for architects and designers to include in their projects. Its smart design and high performance is perfect to blend with any building's internal or external aesthetics. Apart from seamlessly integrating into any space, ZEN can become an active part of the decor and ambience of the premises offering more features than a standard air curtain.

ZEN air curtain offers infinite possibilities of customization. Central casing made of galvanized steel finished in black forge as standard. Front anodized aluminium panels, optionally manufactured in brushed or mirror polished stainless steel. Other materials are possible, such as wood, metal, etc.
Other colours are available on request. Special finishes with other materials such as aged metal, wood, glass, PVC / PES, logos, signage, graphics, lights, clocks, vinyl or slogans.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
ZEN M 1000 A	1980	0,318	1,41	55	32
ZEN M 1500 A	2640	0,424	1,88	56	46
ZEN M 2000 A	3960	0,636	2,82	57	62
ZEN M 2500 A	4620	0,742	3,29	58	75
ZEN G 1000 A	2400	0,642	2,85	57	36
ZEN G 1500 A	3200	0,856	3,80	58	50
ZEN G 2000 A	4800	1,284	5,70	59	69
ZEN G 2500 A	5600	1,498	6,65	60	83
ZEN ECG 1000 A	2700	0,213	1,86	61	36
ZEN ECG 1500 A	3600	0,284	2,48	62	50
ZEN ECG 2000 A	5400	0,426	3,72	63	69
ZEN ECG 2500 A	6300	0,497	4,34	64	83

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
ZEN M 1000 E	1980	3/6/9	0,318	1,41	55	40
ZEN M 1500 E	2640	4/8/12	0,424	1,88	56	58
ZEN M 2000 E	3960	6/12/18	0,636	2,82	57	77
ZEN M 2500 E	4620	6/12/18	0,742	3,29	58	94
ZEN G 1000 E	2400	5/10/15	0,642	2,85	57	43
ZEN G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	62
ZEN G 2000 E	4800	10/20/30	1,284	5,70	59	85
ZEN G 2500 E	5600	10/20/30	1,498	6,65	60	103
ZEN ECG 1000 E	2700	5/10/15	0,213	1,86	61	43
ZEN ECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	62
ZEN ECG 2000 E	5400	10/20/30	0,426	3,72	63	85
ZEN ECG 2500 E	6300	10/20/30	0,497	4,34	64	103

(*) Under request other electrical heating power can be limited.

WATER HEATED

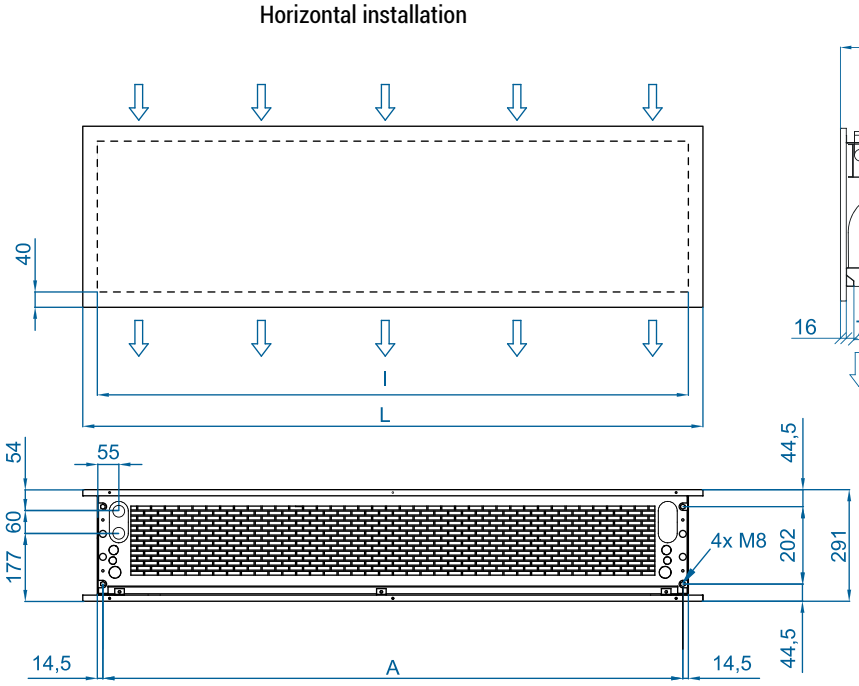
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
ZEN M 1000 P	1860	9,84	1000	9,22	4990	-	-	0,318	1,41	55	37
ZEN M 1500 P	2480	14,23	760	13,65	6430	-	-	0,424	1,88	56	53
ZEN M 2000 P	3720	22,17	2190	19,70	5470	-	-	0,636	2,82	57	71
ZEN M 2500 P	4340	27,69	4000	23,48	4060	-	-	0,742	3,29	58	86
ZEN G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	40
ZEN G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	57
ZEN G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	78
ZEN G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	95
ZEN ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	61	40
ZEN ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	57
ZEN ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	78
ZEN ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	95

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions

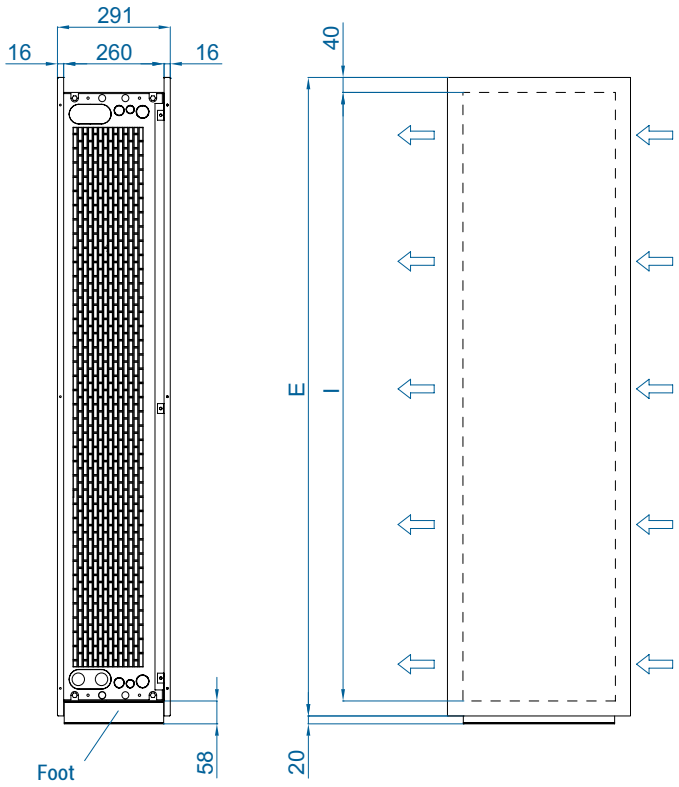
Horizontal installation



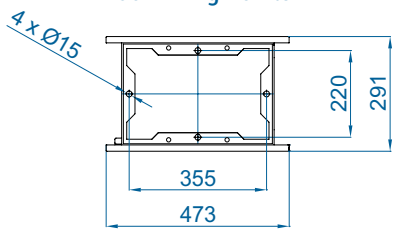
	L	I	A
ZEN 1000	1220	1140	1115
ZEN 1500	1620	1544	1515
ZEN 2000	2120	2044	2015
ZEN 2500	2620	2544	2515

Customizable dimensions on request.

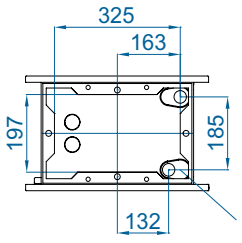
Vertical installation



Floor Fixing Points



Space available for connections



CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Finishes

The front panel is designed to include graphics, logos, illuminated signs, signage, clocks or any other decorative element desired by the customer. Available in any colour from the RAL chart or in stainless steel.

standard / painted

decorative metals

crocco / leather

screen

vintage / floral

wood

signage

logos / images

WATCH VIDEO

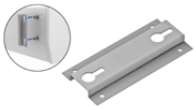
Optional accessories

Supports and installation

Wall rail supports SPWR

Silentblock supports SPANG-SIL / SLB

Suspension cables SPCT



Omega wall support SPT4

Wall angle support Zen MG

Kit junction SPJ-ZEN middle and top

Support 180º Zen straight arm

Foot support SPF-ZEN (Galv. / SS)

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto CH-5HW-NE

Ambient thermostat T6360

Interface kit IN-NE-II

Filters

Removable prefilter G2

Sensors and valves

Magnetic door contact MAG-DC

Mechanical door contact MEG-DC

External Temperature Sensor (Clever Control)

Solenoid valve V-S

Valve 3 ways V-T

Proportional valve V-ACT

Anti-freezing sensor AFS-INS

Technical Features

Faceted / Smooth | Standard RAL 9006 / 9016 | SS Brushed / Polished | Other colors on request

Range
Up to 4,2 m

Airflow / Length
1860 - 7200 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 3 - 30 kW
P : 9,2 - 40,3 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**] (Faceted or Smooth)

Grille type
Circular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

RUND is a cylindrical, elegant and exclusive decorative air curtain. Vertically installed on one or both sides of the door; horizontally above the entrance or encompassing large distances, RUND air curtains integrate seamlessly with the surrounding environment as an architectural column element. Wide range of accessories and configurations available to suit any need that requires the installation. Multiple finishes that make it the decorative solution suitable for any interior design project. Available in two different casing finishes (faceted or completely smooth).

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB (A)	kg
RUND M 1000 A	1980	0,318	1,41	55	42
RUND M 1500 A	2640	0,424	1,88	56	63
RUND M 2000 A	3960	0,636	2,82	57	79
RUND M 2500 A	4620	0,742	3,29	58	88
RUND M 3000 A	5280	0,848	3,76	59	99
RUND G 1000 A	2400	0,642	2,85	57	46
RUND G 1500 A	3200	0,856	3,80	58	68
RUND G 2000 A	4800	1,284	5,70	59	89
RUND G 2500 A	5600	1,498	6,65	60	98
RUND G 3000 A	6400	1,712	7,60	61	108
RUND ECG 1000 A	2700	0,213	1,86	61	46
RUND ECG 1500 A	3600	0,284	2,48	62	68
RUND ECG 2000 A	5400	0,426	3,72	63	89
RUND ECG 2500 A	6300	0,497	4,34	64	98
RUND ECG 3000 A	7200	0,568	5,96	65	108

ELECTRICAL HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
RUND M 1000 E	1980	3/6/9	0,318	1,41	55	49
RUND M 1500 E	2640	4/8/12	0,424	1,88	56	75
RUND M 2000 E	3960	6/12/18	0,636	2,82	57	97
RUND M 2500 E	4620	6/12/18	0,742	3,29	58	108
RUND M 3000 E	5280	8/16/24	0,848	3,76	59	119
RUND G 1000 E	2400	5/10/15	0,642	2,85	57	54
RUND G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	81
RUND G 2000 E	4800	10/20/30	1,284	5,70	59	107
RUND G 2500 E	5600	10/20/30	1,498	6,65	60	118
RUND G 3000 E	6400	10/20/30	1,712	7,60	61	128
RUND ECG 1000 E	2700	5/10/15	0,213	1,86	61	54
RUND ECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	81
RUND ECG 2000 E	5400	10/20/30	0,426	3,72	63	107
RUND ECG 2500 E	6300	10/20/30	0,497	4,34	64	118
RUND ECG 3000 E	7200	10/20/30	0,568	5,96	65	128

(*) Under request other electrical heating power can be limited.

WATER HEATED

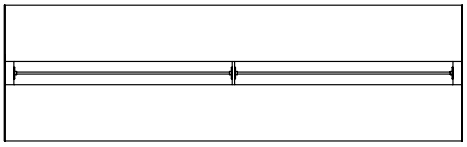
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
RUND M 1000 P	1860	9,84	1000	9,22	4990	-	-	0,318	1,41	55	47
RUND M 1500 P	2480	14,23	760	13,65	6430	-	-	0,424	1,88	56	71
RUND M 2000 P	3720	22,17	2190	19,70	5470	-	-	0,636	2,82	57	90
RUND M 2500 P	4340	27,69	4000	23,48	4060	-	-	0,742	3,29	58	101
RUND M 3000 P	4960	33,15	6560	28,29	6730	-	-	0,848	3,76	59	112
RUND G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	52
RUND G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	77
RUND G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	100
RUND G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	109
RUND G 3000 P	6000	37,35	8110	32,10	8410	34,03	5450	1,712	7,60	61	119
RUND ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	61	52
RUND ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	77
RUND ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	100
RUND ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	109
RUND ECG 3000 P	6800	40,34	9290	34,81	9710	37,16	8400	0,568	5,96	65	119

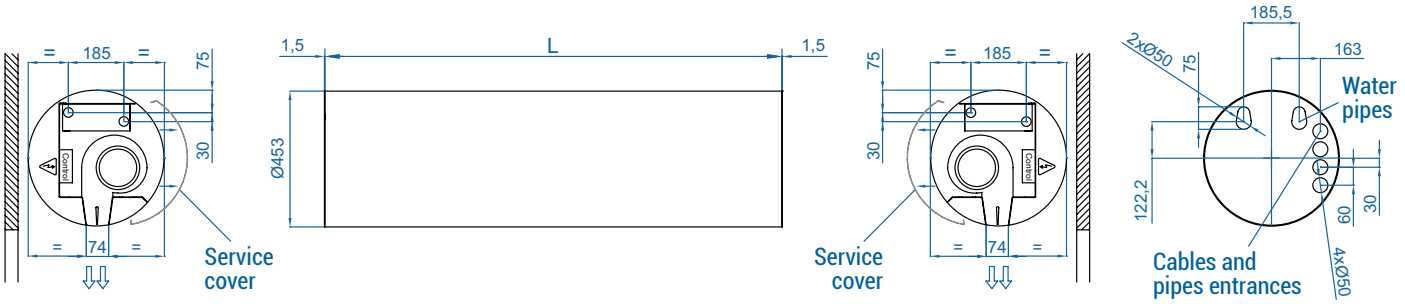
Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

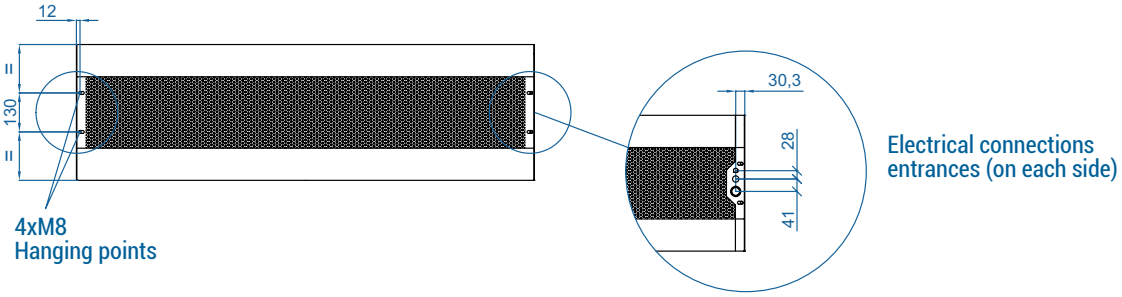
Selection program

Dimensions

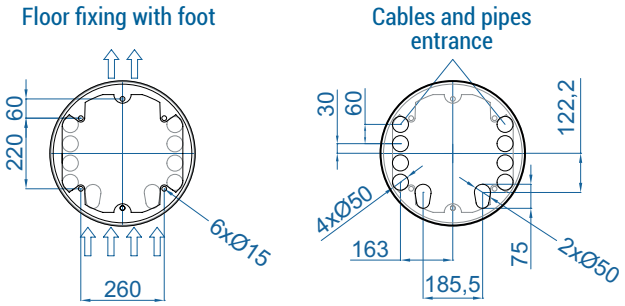
Horizontal installation





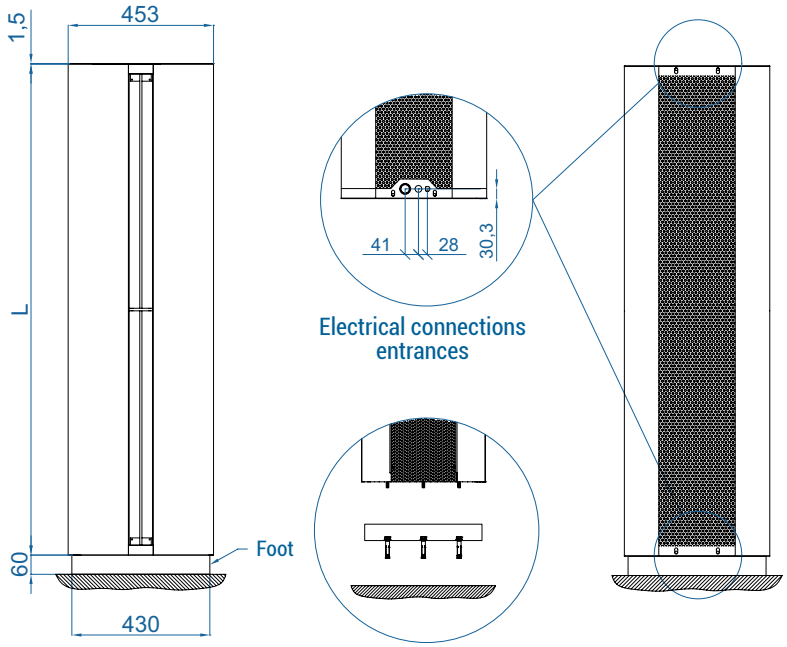


Vertical installation



	L
RUND 1000	1025
RUND 1500	1525
RUND 2000	2030
RUND 2500	2530
RUND 3000	2980

Customizable dimensions on request.



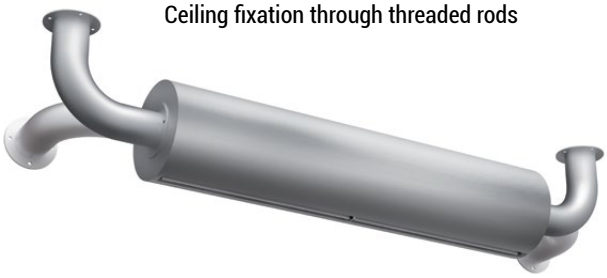
CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Installation configurations

Ceiling fixation through threaded rods

Wall/ceiling fixation through angle supports



Wall/ceiling fixation through arms

Floor fixation (goalpost)

Wall fixation through lateral arms

Optional accessories

Supports and installation

Wall rail supports SPWR

Silentblock supports SPANG-SIL / SLB

Suspension cables SPCT

180º straight arm Rund

Round arm Rund

Kit junction Rund ceiling / wall

Side bracket Rund ceiling / wall

Foot support SPF-Rund (Galv. / SS)

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto CH-5HW-NE

Ambient thermostat T6360

Interface kit IN-NE-II

Filters

Removable prefilter G2

Sensors and valves

Magnetic door contact MAG-DC

Mechanical door contact MEG-DC

External Temperature Sensor (Clever Control)

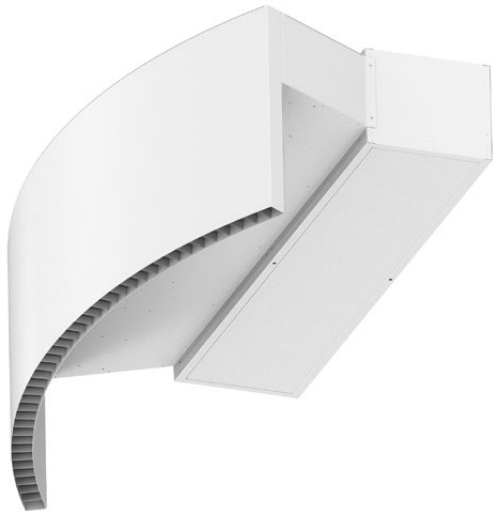
Solenoid valve V-S

Valve 3 ways V-T

Proportional valve V-ACT

Anti-freezing sensor AFS-INS

Technical Features



Range
Up to 4,2 m

Airflow / Length
2250 - 6300 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 5 - 30 kW
P : 10,4- 33,6 kW

Control
Plug&Play manual regulator
+ IR remote control
(Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type

RAL 9016 standard | Other colors on request | Stainless steel

[*] Consult separate DX catalogs
[**] Each air curtainis tailor made

ROTOWIND air curtains are custom designed to fit perfectly with the curvature of any revolving door. They can be mounted discreetly in two possible layout configurations, with tailored dimensions: standard (on top mounting) or inverted (false ceiling mounting).
Self-supporting casing construction finished in white colour RAL9016 as standard. Other colours or stainless steel are available on request.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans. With large perforated inlet grille avoiding intensive maintenance.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB (A)	kg
ROTO G 1000 A	2400	0,642	2,85	57	-
ROTO G 1500 A	3200	0,856	3,80	58	-
ROTO G 2000 A	4800	1,284	5,70	59	-
ROTO G 2500 A	5600	1,498	6,65	60	-
ROTO ECG 1000 A	2700	0,213	1,86	61	-
ROTO ECG 1500 A	3600	0,284	2,48	62	-
ROTO ECG 2000 A	5400	0,426	3,72	63	-
ROTO ECG 2500 A	6300	0,497	4,34	64	-

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m^3/h	kW	kW	A	dB(A)	kg
ROTO G 1000 E	2400	5/10/15	0,642	2,85	57	-
ROTO G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	-
ROTO G 2000 E	4800	10/20/30	1,284	5,70	59	-
ROTO G 2500 E	5600	10/20/30	1,498	6,65	60	-
ROTO ECG 1000 E	2700	5/10/15	0,213	1,86	61	-
ROTO ECG 1500 E	3600	7,5/15/22,5	0,284	2,48	62	-
ROTO ECG 2000 E	5400	10/20/30	0,426	3,72	63	-
ROTO ECG 2500 E	6300	10/20/30	0,497	4,34	64	-

(*) Under request other electrical heating power can be limited.

WATER HEATED

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m^3/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
ROTO G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	-
ROTO G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	-
ROTO G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	-
ROTO G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	-
ROTO ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,213	1,86	61	-
ROTO ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,284	2,48	62	-
ROTO ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,426	3,72	63	-
ROTO ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,497	4,34	64	-

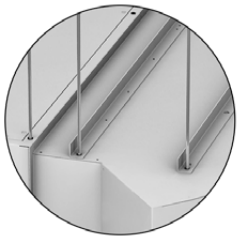
Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Installation configurations

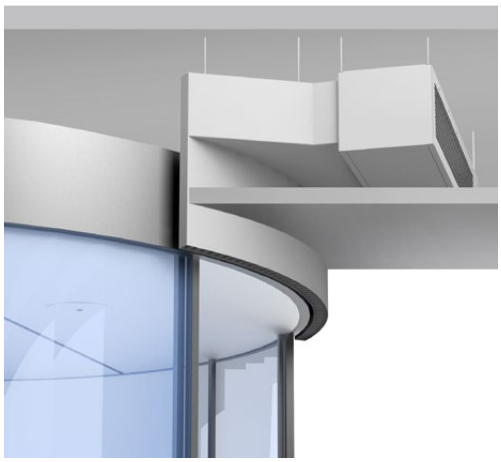
Standard: Above de door

Mounted installation

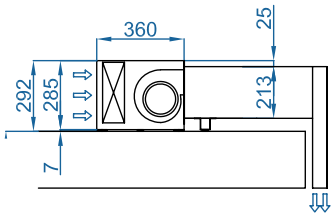


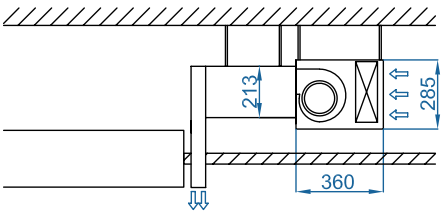
Hanging installation

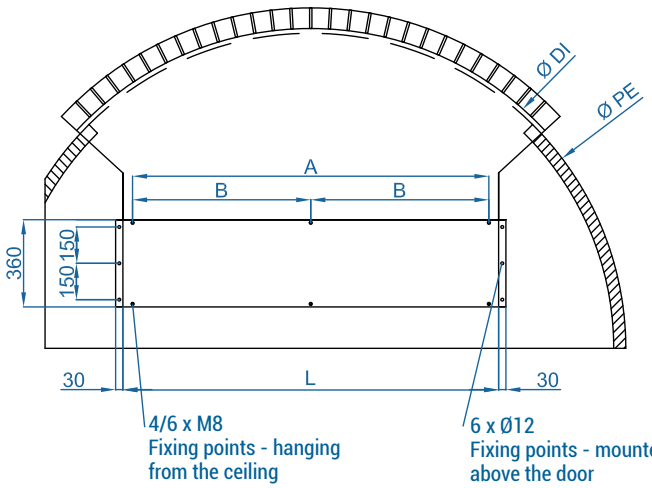
Inverted: False ceiling mounting

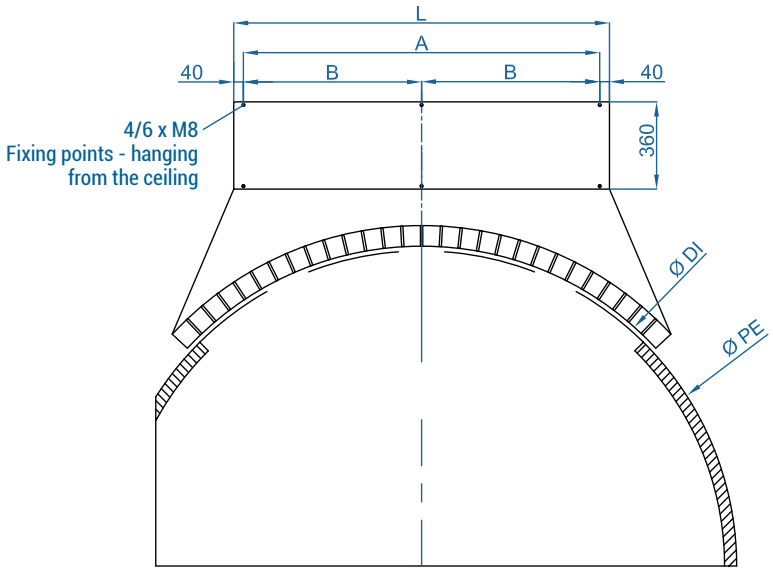


Dimensions









	L	I	A
ROTO 1000	1050	970	-
ROTO 1500	1550	1470	735
ROTO 2000	2055	1975	987,5
ROTO 2500	2555	2475	1237,5

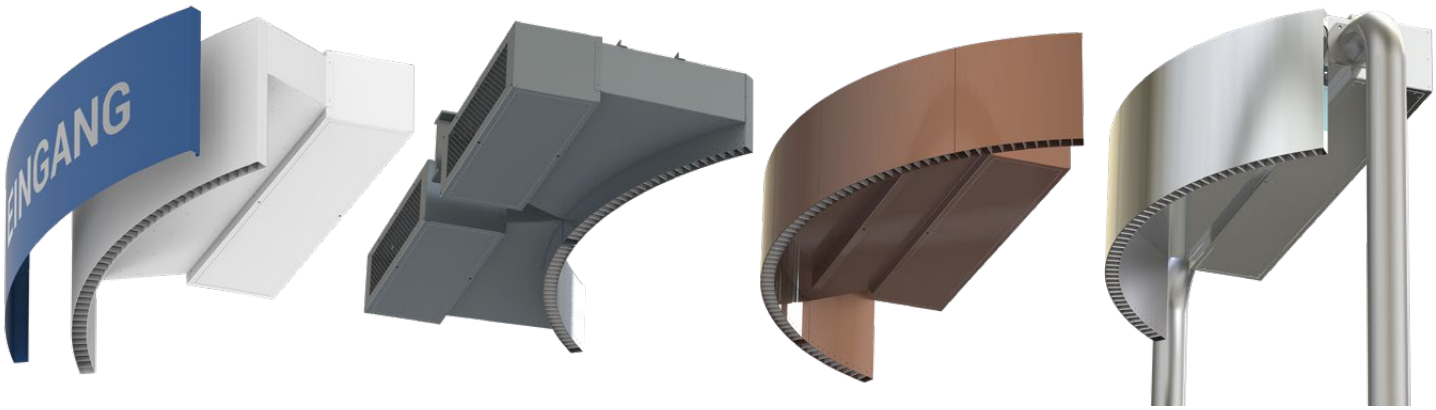
Customizable dimensions on request.

Ø DI	Inside Outlet Diameter
Ø PE	External Door Diameter

Tailor made finishes

ROTOWIND can be customized in the same color or material as the revolving door to match the interior or exterior aesthetics of the building. Optionally, it can be ordered with a front decorative cover, which can be painted in a different color or finish. It can also be customized with logos, graphics or signage.

Multiple options available for accessories and supports to adapt to the installation requirements.



Optional acessories

Supports and installation

Decorative front cover
(RAL Painted / SS)

Support angle
(top mounting)
✔ Included

Silentblock support
(top mounting)
✔ Included

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Round arm
Rotowind

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-5HW-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Filters

Removable
prefilter G2

Sensors and valves

Magnetic
door contact MAG-DC

Mechanical
door contact MEC-DC

External Temperature
Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Condensation

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

Condensation tray

Technical features

RAL 9016 standard

Stainless steel

Other colors on request

Range
Up to 4,2 m

Airflow / Length
1800 - 7200 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
A: unheated

Heating capacity
-

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised steel / Stainless Steel

Grille type
Circular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15º each side

KOOL unheated air curtain ensures a low turbulence high velocity air jet, thus efficiently separating spaces with high temperature differences. With a compact timeless design provided with a faceted inlet grille avoiding intensive maintenance. It works with double-inlet centrifugal fans driven by an external rotor motor and low noise level. EC models assembled with very low consumption efficiency fans.

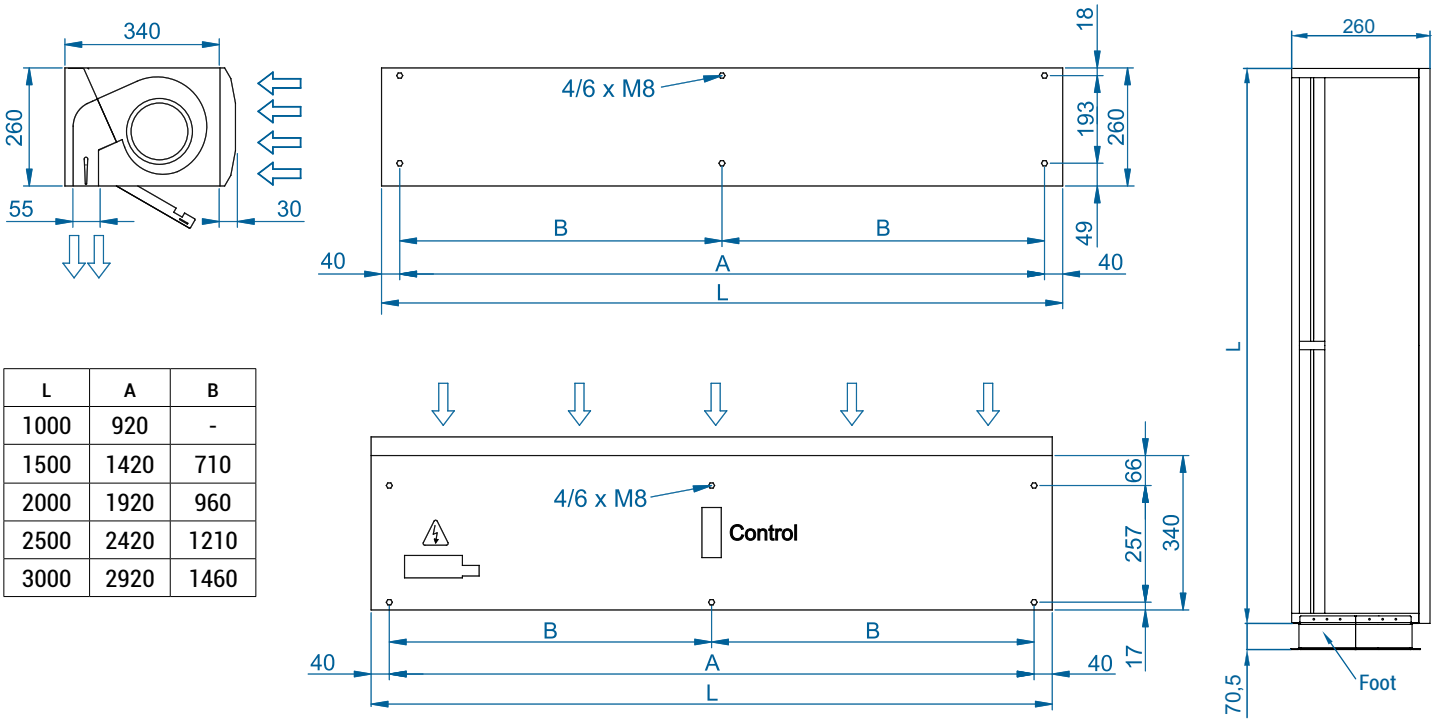
Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise Level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
KM 1000 A	1800	0,212	0,94	55	29
KM 1500 A	2700	0,318	1,41	56	44
KM 2000 A	3600	0,424	1,88	57	53
KM 2500 A	4500	0,530	2,35	58	58
KM 3000 A	5400	0,636	2,82	59	76
KECM 1000 A	1840	0,142	1,24	56	33
KECM 1500 A	2760	0,213	1,86	57	50
KECM 2000 A	3680	0,284	2,48	58	61
KECM 2500 A	4600	0,355	3,10	59	68
KECM 3000 A	5520	0,426	3,72	60	76
KG 1000 A	2400	0,642	2,85	57	37
KG 1500 A	3200	0,856	3,80	58	55
KG 2000 A	4800	1,284	5,70	59	71
KG 2500 A	5600	1,498	6,65	60	78
KG 3000 A	6400	1,712	7,60	61	86
KECG 1000 A	2700	0,213	1,86	61	37
KECG 1500 A	3600	0,284	2,48	62	56
KECG 2000 A	5400	0,426	3,72	63	71
KECG 2500 A	6300	0,497	4,34	64	78
KECG 3000 A	7200	0,568	5,96	65	86

Selection program

Dimensions



L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460

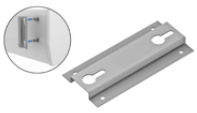
Optional accessories

Supports

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT



Omega wall support
SPT3

Foot support
SPF-KOOL
(Galv. / SS)

Joining kit
SPJ-KOOL
(Galv. / SS)

Control

IR Control
✔ Included

Basic Control CA-5AW-IR
✔ Included

Hand-Auto
CH-5HW-NE

Clever Control Kit

Interface kit
IN-NE-II

RJ45 Cable
✔ Included

Sensors

Mechanical door contact
MEC-DC

Magnetic door contact
MAG-DC

External Temperature
Sensor (Clever Control)

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 4,2 m

Airflow / Length
1800 - 6300 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
A: unheated

Heating capacity
-

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel

Grille type
Suction lamellas

Outlet lamellas
Aluminium

RECESSED COMPACT air curtain is specially designed for non-heating applications. This recessed low profile model has a diffuser grille with an integral view, and a self-supporting frame for installation in false ceilings. Its design is characterized by providing a full view of the inlet and outlet slatted grille, which is maintenance-free and is completely integrated into a single frame colour RAL 9016 Other colours are available on request.
This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

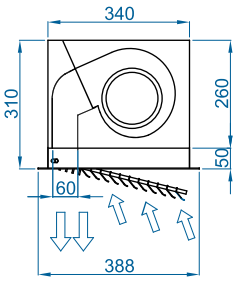
Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

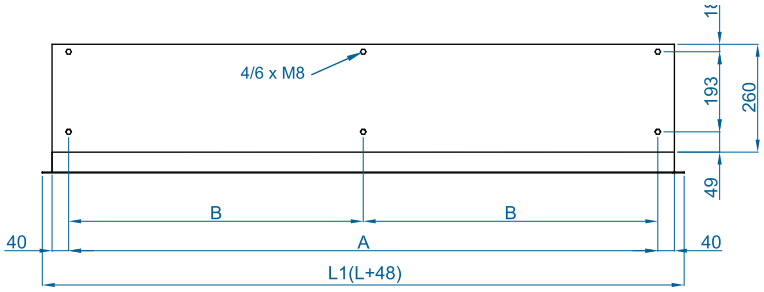
UNHEATED

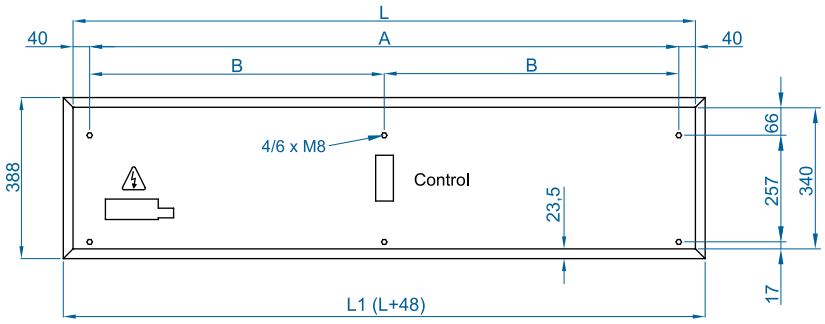
Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
CR M 1000 A	1800	0,212	0,94	55	33
CR M 1500 A	2700	0,318	1,41	56	50
CR M 2000 A	3600	0,424	1,88	57	61
CR M 2500 A	4500	0,530	2,35	58	68
CR ECM 1000 A	1840	0,142	1,24	56	33
CR ECM 1500 A	2760	0,213	1,86	57	50
CR ECM 2000 A	3680	0,284	2,48	58	61
CR ECM 2500 A	4600	0,355	3,10	59	68
CR G 1000 A	2400	0,642	2,85	57	37
CR G 1500 A	3200	0,856	3,80	58	55
CR G 2000 A	4800	1,284	5,70	59	71
CR G 2500 A	5600	1,498	6,65	60	78
CR ECG 1000 A	2700	0,213	1,86	61	37
CR ECG 1500 A	3600	0,284	2,48	62	56
CR ECG 2000 A	5400	0,426	3,72	63	71
CR ECG 2500 A	6300	0,497	4,34	64	78

Selection program

Dimensions







	L	L1	A	B
RC 1000	1000	1048	920	-
RC 1500	1500	1548	1420	710
RC 2000	2000	2048	1920	960
RC 2500	2500	2548	2420	1210

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Optional accessories

Supports and installation

Wall rail supports
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control CA-5AW-IR
✔ Included

Hand-Auto
CH-5HW-NE

Clever Control Kit

Interface kit
IN-NE-II

RJ45 Cable
✔ Included

Sensors

Mechanical door contact
MEC-DC

Magnetic
door contact MAG-DC

External Temperature
Sensor (Clever Control)

Technical Features

RAL 9016 standard

Other colors on request

Stainless steel

Range
Up to 7 m

Airflow / Length
3750 - 10720 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 6 - 50 kW
P : 15,2 - 55,0 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Micro-perforated with prefilter function

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

Commercial size air curtain with an equivalent power to an industrial unit. As all the standard range of Airtècnics air curtains, WINDBOX BB has an elegant and timeless design. A highly versatile air curtain provided with a wide variety of technical specifications, mounting options and customization, gathering all the latest innovations and developments.

This model works with the latest generation of double-inlet centrifugal high efficiency EC fans driven by an external rotor motor, with low noise level and very low consumption.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB (A)	kg
BB 1000 A	4020	0,873	3,87	66	38
BB 1500 A	5360	1,164	5,16	67	55
BB 2000 A	8040	1,746	7,74	68	77
BB 2500 A	9380	2,037	9,03	69	93
BB 3000 A	10720	2,328	10,32	70	110

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
BB 1000 E	4020	6/15/21	0,873	3,87	66	49
BB 1500 E	5360	8/19/27	1,164	5,16	67	71
BB 2000 E	8040	12/30/42 (**)	1,746	7,74	68	98
BB 2500 E	9380	16/30/46 (**)	2,037	9,03	69	119
BB 3000 E	10720	20/30/50 (**)	2,328	10,32	70	141

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

WATER HEATED

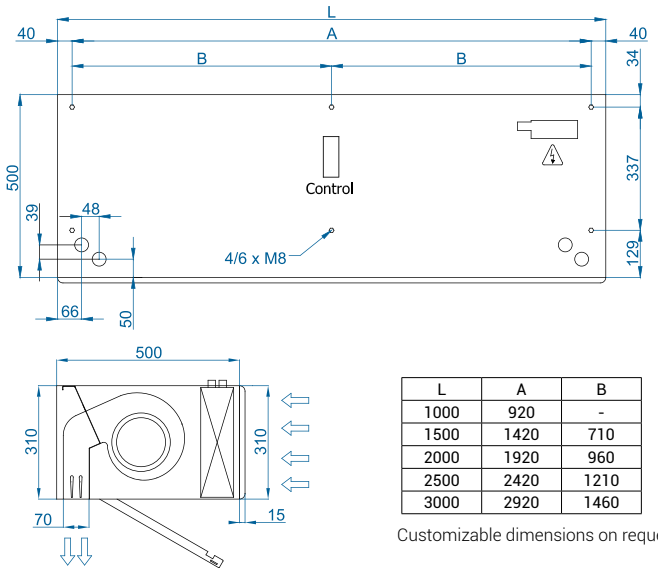
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
BB 1000 P	3750	18,21	15190	15,16	16190	16,48	12180	0,873	3,87	65	47
BB 1500 P	5000	23,52	1200	21,87	10990	24,15	15260	1,164	5,16	66	67
BB 2000 P	7500	36,57	3470	31,13	7350	35,04	12680	1,746	7,74	67	93
BB 2500 P	8750	45,78	6370	38,96	13420	42,12	11880	2,037	9,03	68	115
BB 3000 P	10000	55,04	10570	45,49	11230	49,27	10920	2,328	10,32	69	135

Water heated:
P86, P64 2x1", P54 1000-2000 2x1" and 2500-3000 2x1¼".
Connection pipes P86, P64 and P54 are male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions

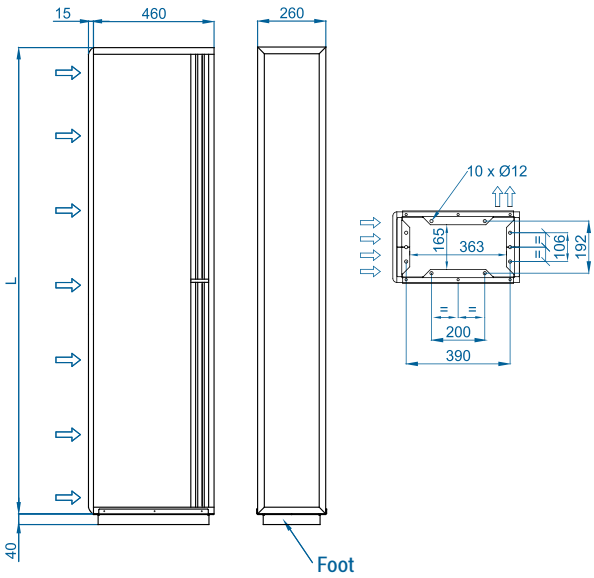
Horizontal installation



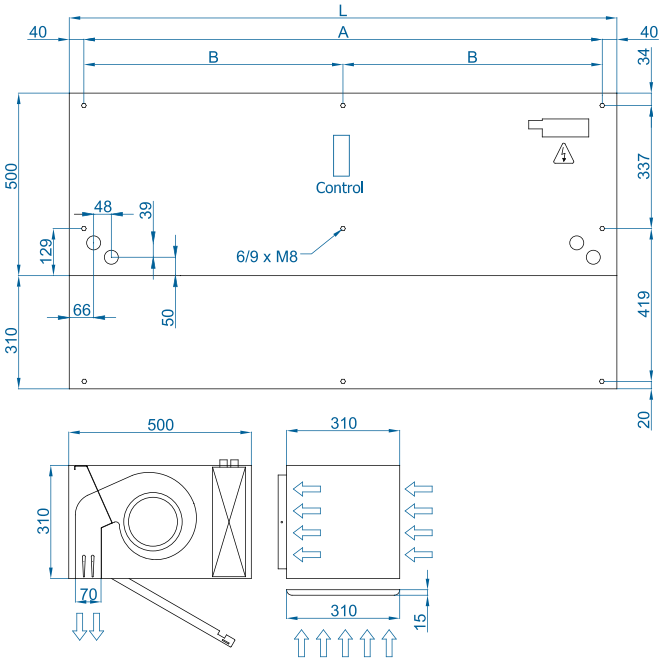
L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460

Customizable dimensions on request.

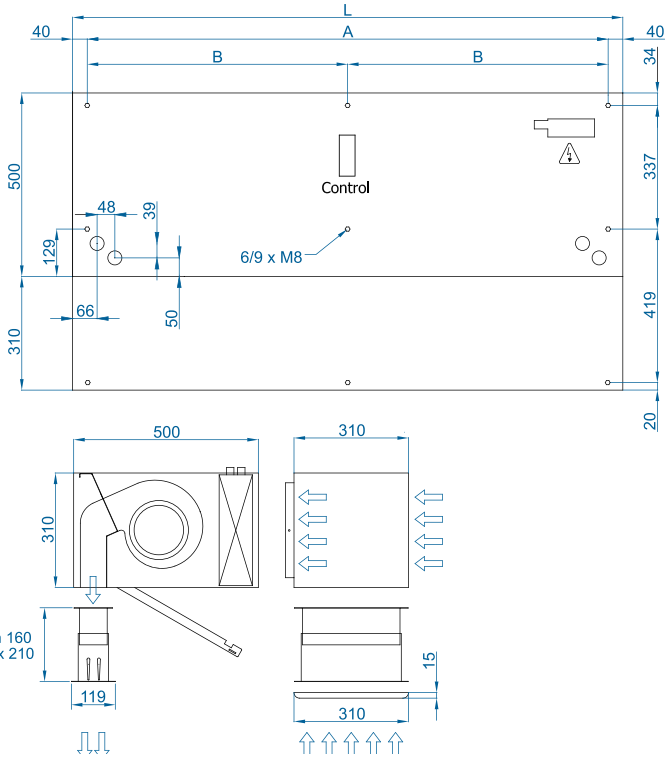
Vertical installation



Inside ceiling surface mounting



False ceiling invisible mounting

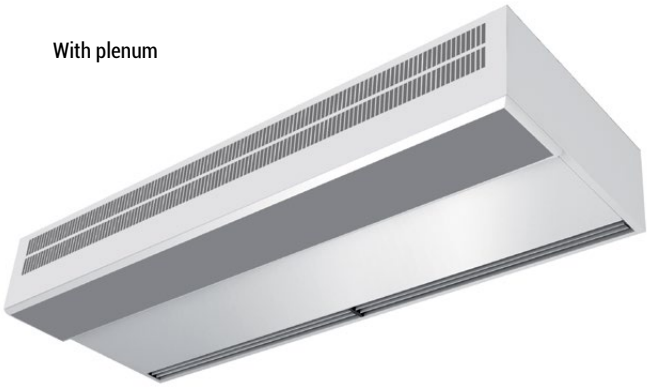


CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Installation Configurations

With plenum



With plenum and kits

With outlet kit

With inlet and outlet

Optional accessories

Supports and installation

Wall rail supports SPWR

Silentblock supports SPANG-SIL / SLB

Suspension cables SPCT

Foot support SPF-BB (Galv. / SS)

Joining kit SPJ-BB (Galv. / SS)

Flat inlet and outlet kits

Service tray between ID and OD

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto CH-5HW-NE

Ambient thermostat T6360

Interface kit IN-NE-II

Filters

Removable prefilter G2

Sensors and valves

Magnetic door contact MAG-DC

Mechanical door contact MEC-DC

External Temperature Sensor (Clever Control)

Solenoid valve V-S

Valve 3 ways V-T

Condensation

Proportional valve V-ACT

Anti-freezing sensor AFS-INS

Condensation tray

Technical Features

RAL 9016 standard

Other colors on request

Stainless steel

Range
Up to 7 m

Airflow / Length
3750 - 9380 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 6 - 46 kW
P : 15,2 - 45,8 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel

Grille type
Suction lamellas + Rectangular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs

RECESSED WINDBOX BB is a high pressure compact and robust air curtain from our standard range with a timeless design, for recessed installation in false ceilings. It is a suitable air curtain for all types of commercial and industrial entrances.
Inlet grille made with aluminium profiles and blow-out nozzle, integrated in a single white frame colour RAL 9016. Other colours are available on request.

This model works with the latest generation of double-inlet centrifugal high efficiency EC fans driven by an external rotor motor, with low noise level and very low consumption.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
RBB 1000 A	4020	0,873	3,87	66	50
RBB 1500 A	5360	1,164	5,16	67	75
RBB 2000 A	8040	1,746	7,74	68	100
RBB 2500 A	9380	2,037	9,03	69	125

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
RBB 1000 E	4020	6/15/21	0,873	3,87	66	60
RBB 1500 E	5360	8/19/27	1,164	5,16	67	91
RBB 2000 E	8040	12/30/42 (**)	1,746	7,74	68	121
RBB 2500 E	9380	16/30/46 (**)	2,037	9,03	69	151

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

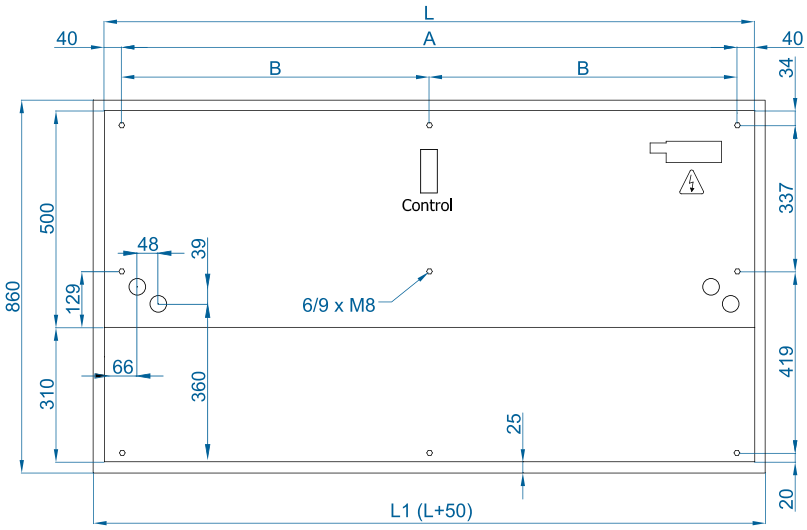
WATER HEATED

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
RBB 1000 P	3750	18,21	15190	15,16	16190	16,48	12180	0,873	3,87	65	58
RBB 1500 P	5000	23,52	1200	21,87	10990	24,15	15260	1,164	5,16	66	88
RBB 2000 P	7500	36,57	3470	31,13	7350	35,04	12680	1,746	7,74	67	117
RBB 2500 P	8750	45,78	6370	38,96	13420	42,12	11880	2,037	9,03	68	146

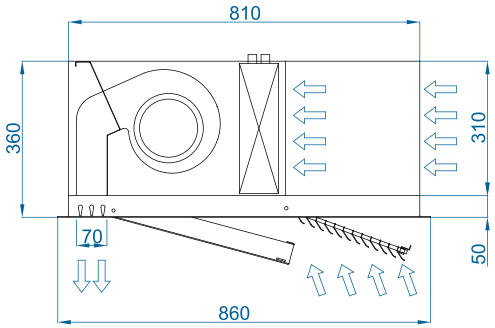
Water heated:
P86, P64 2x1", P54 1000-2000 2x1" and 2500 2x1¼".
Connection pipes P86, P64 and P54 are male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions



L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460



CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Optional accessories

Supports and installation

Wall rail support SPWR

Silentblock supports SPANG-SIL / SLB

Suspension cables SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto CH-5HW-NE

Ambient thermostat T6360

Interface kit IN-NE-II

Filters

Removable prefilter G2

Sensors and valves

Magnetic door contact MAG-DC

Mechanical door contact MEC-DC

External Temperature Sensor (Clever Control)

Solenoid valve V-S

Valve 3 ways V-T

Proportional valve V-ACT

Condensation

Anti-freezing sensor AFS-INS

Condensation tray

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 7 m

Airflow / Length
3750 - 10720 m³/h m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 6 - 50 kW
P : 15,2 - 55,0 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

INVISAIR air curtain is designed to be installed invisibly in false ceilings and columns or drawers around the door. It is an ideal solution for those entrances that for architectural reasons require an air curtain installation that is fully integrated into the interior design of the building. BB model has been designed with the latest generation of EC efficiency fans and provides a power and performance equivalent to an industrial air curtain, with very low consumption and low noise level.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
IBB 1000 A	4020	0,873	3,87	66	46
IBB 1500 A	5360	1,164	5,16	67	66
IBB 2000 A	8040	1,746	7,74	68	88
IBB 2500 A	9380	2,037	9,03	69	97
IBB 3000 A	10720	2,328	10,32	70	116

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
IBB 1000 E	4020	6/15/21	0,873	3,87	66	58
IBB 1500 E	5360	8/19/27	1,164	5,16	67	83
IBB 2000 E	8040	12/30/42 (**)	1,746	7,74	68	112
IBB 2500 E	9380	16/30/46 (**)	2,037	9,03	69	125
IBB 3000 E	10720	20/30/50 (**)	2,328	10,32	70	148

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

WATER HEATED

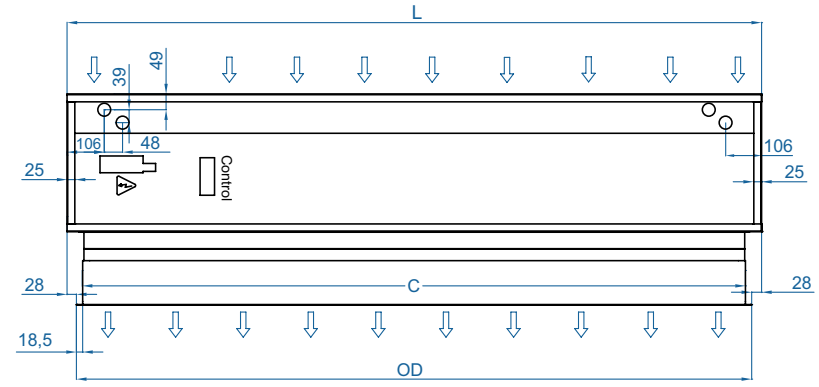
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
IBB 1000 P	3750	18,21	15190	15,16	16190	16,48	12180	0,873	3,87	65	56
IBB 1500 P	5000	23,52	1200	21,87	10990	24,15	15260	1,164	5,16	66	80
IBB 2000 P	7500	36,57	3470	31,13	7350	35,04	12680	1,746	7,74	67	102
IBB 2500 P	8750	45,78	6370	38,96	13420	42,12	11880	2,037	9,03	68	119
IBB 3000 P	10000	55,04	10570	45,49	11230	49,27	10920	2,328	10,32	69	143

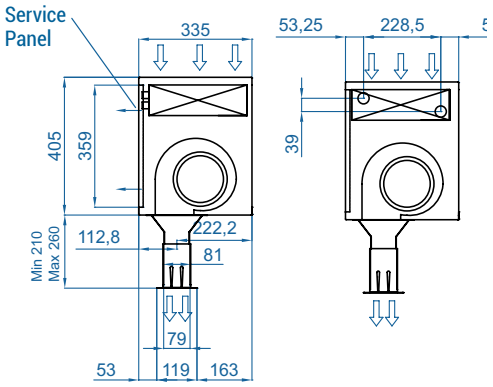
Water heated:
P86, P64 2x1", P54 1000-2000 2x1" and 2500-3000 2x1¼".
Connection pipes P86, P64 and P54 are male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

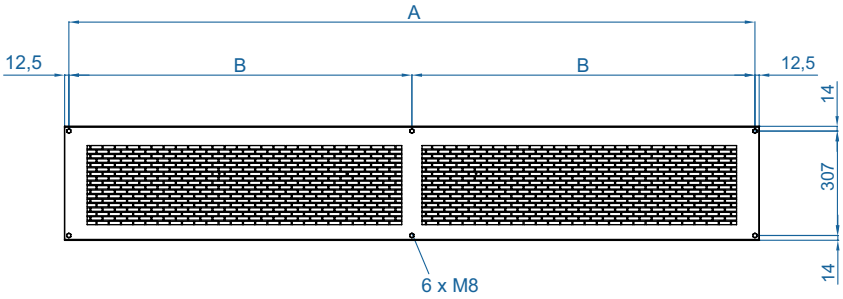
Selection program

Dimensions

Horitzontal installation



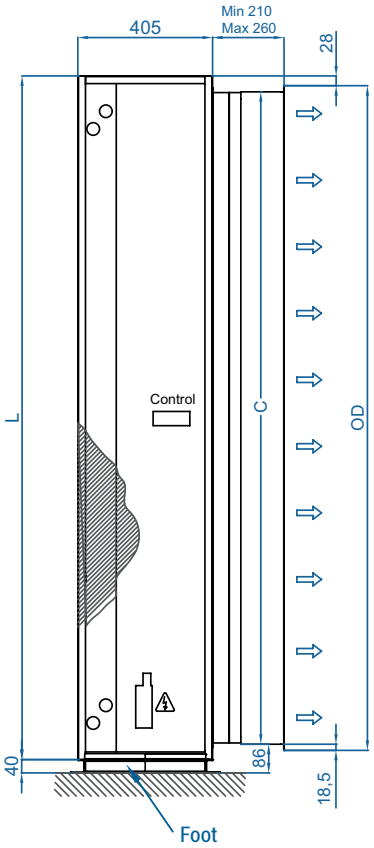


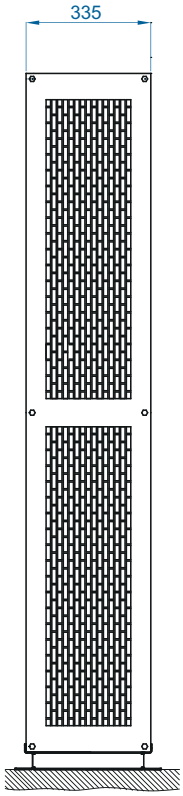


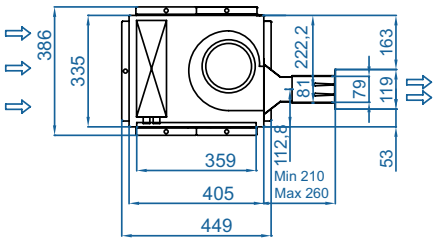
Invisair	L	A	B	C	OD
1000	1050	1025	.	961	998
1500	1550	1525	762,5	1461	1498
2000	2055	2030	1015	1961	1998
2500	2555	2530	1265	2461	2498
3000	3000	2975	1487,5	2961	2998

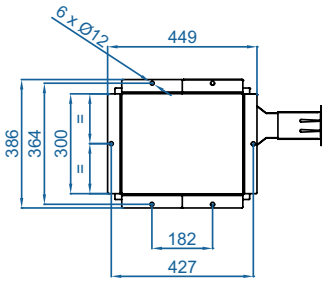
Customizable dimensions on request

Vertical installation









CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Installation configurations

Optional accessories

Supports and installation


Wall rail supports SPWR


Silentblock supports SPANG-SIL / SLB


Suspension cables SPCT


Wall angle support Invisair BB


Flat inlet grille


Foot support SPF-INVISAIR BB (Galv.)


Joining kit SPJ-INVISAIR BB (Galv.)

Control


IR Control
✔ Included


Basic Control
✔ Included


Clever Control Kit


RJ45 Cable
✔ Included


Hand-Auto CH-5HW-NE


Ambient thermostat T6360


Interface kit IN-NE-II

Filters


Removable prefilter G2

Sensors and valves


Magnetic door contact MAG-DC


Mechanical door contact MEC-DC


External Temperature Sensor (Clever Control)


Solenoid valve V-S


Valve 3 ways V-T


Proportional valve V-ACT

Condensation


Anti-freezing sensor AFS-INS

Technical Features

Casing: Black forge (standard)

Panels: Anodized aluminium (standard)

Panels: Stainless Steel (optional)

Other colors on request

Range
Up to 7 m

Airflow / Length
3750 - 9380 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 6 - 46 kW
P : 15,2 - 45,8 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Consult separate DX catalogs
[**] Customizable dimensions on request

Decorative, minimalist and elegant, ZEN air curtain is it the favorite for architects and designers to include in their projects.
ZEN BB air curtain has the same aesthetic and similar dimensional features as the MG model, but with an equivalent power to industrial unit.

Its smart design and high performance is perfect to blend with any building's internal or external aesthetics.
Apart from seamlessly integrating into any space, ZEN can become an active part of the decor and ambience of the premises offering more features than a standard air curtain.
ZEN air curtain offers infinite possibilities of customization. Central casing made of galvanized steel finished in black forge as standard. Front anodized aluminium panels, optionally manufactured in brushed or mirror polished stainless steel. Other materials are possible, such as wood, metal, etc.Other colours are available on request. Special finishes with other materials such as aged metal, wood, glass, PVC / PES, logos, signage, graphics, lights, clocks, vinyl or slogans.

This model works with latest generation double-inlet centrifugal efficiency EC fans driven by an external rotor motor, with low noise level and very low consumption.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
ZEN BB 1000 A	4020	0,873	3,87	66	39
ZEN BB 1500 A	5360	1,164	5,16	67	55,5
ZEN BB 2000 A	8040	1,746	7,74	68	78
ZEN BB 2500 A	9380	2,037	9,03	69	94

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V-50Hz	Ventilation current 230V-50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
ZEN BB 1000 E	4020	6/15/21	0,873	3,87	66	49,5
ZEN BB 1500 E	5360	8/19/27	1,164	5,16	67	71,5
ZEN BB 2000 E	8040	12/30/42 (**)	1,746	7,74	68	99
ZEN BB 2500 E	9380	16/30/46 (**)	2,037	9,03	69	120

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

WATER HEATED

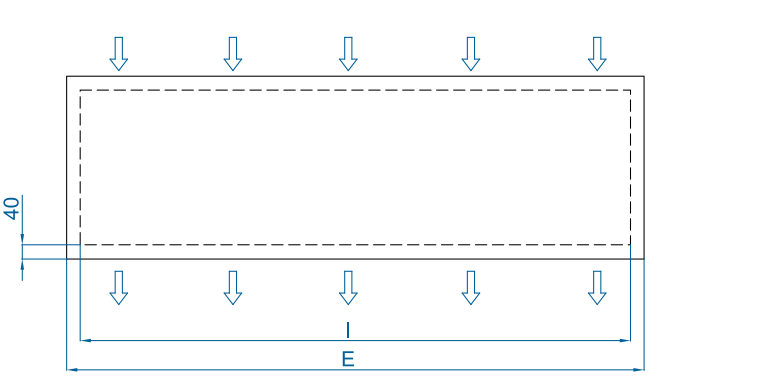
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
ZEN BB 1000 P	3750	18,21	15190	15,16	16190	16,48	12180	0,873	3,87	65	47,5
ZEN BB 1500 P	5000	23,52	1200	21,87	10990	24,15	15260	1,164	5,16	66	68,5
ZEN BB 2000 P	7500	36,57	3470	31,13	7350	35,04	12680	1,746	7,74	67	95
ZEN BB 2500 P	8750	45,78	6370	38,96	13420	42,12	11880	2,037	9,03	68	115

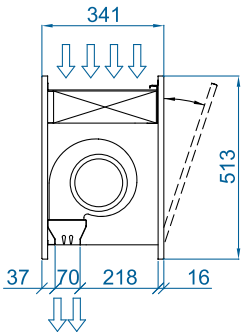
Water heated:
P86, P64 2x1", P54 1000-2000 2x1" and 2500 2x1¼".
Connection pipes P86, P64 and P54 are male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

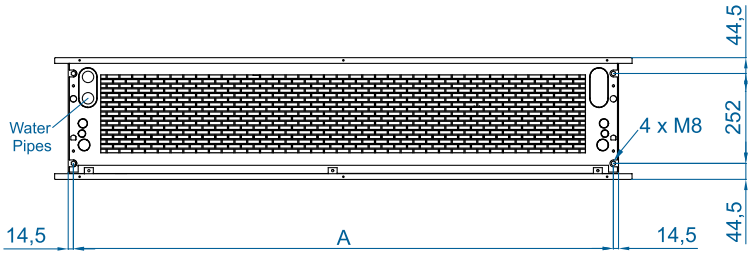
Selection program

Dimensions

Horizontal installation



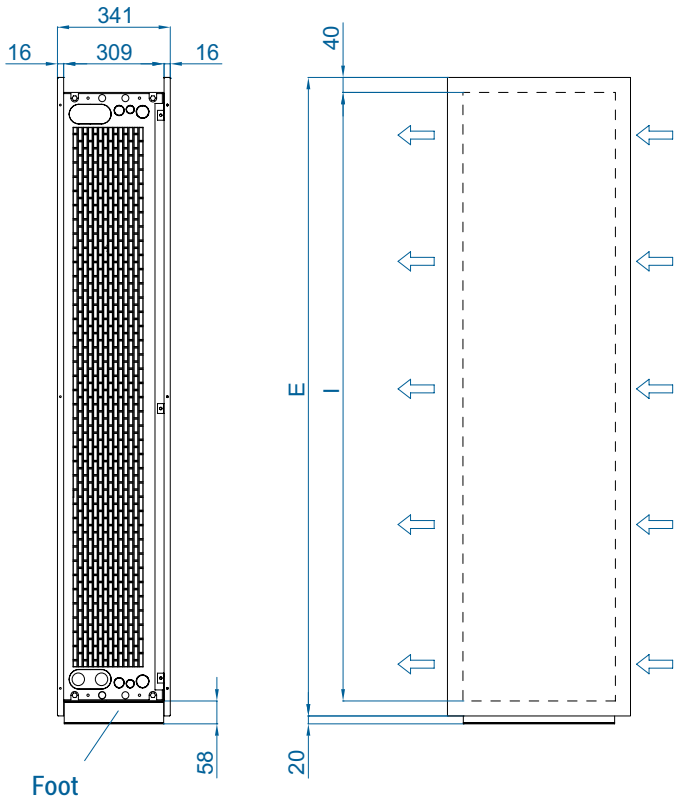




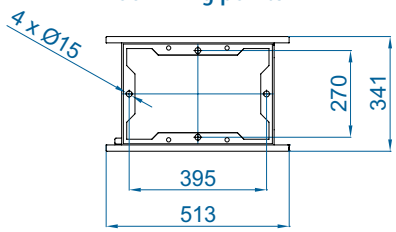
	L	I	A
ZEN BB 1000	1220	1140	1115
ZEN BB 1500	1620	1544	1515
ZEN BB 2000	2120	2044	2015
ZEN BB 2500	2620	2544	2515

Customizable dimensions on request.

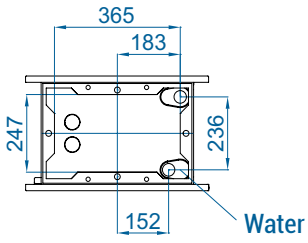
Vertical installation



Floor fixing points



Space available for connections



CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Finishes

The front panel is designed to include graphics, logos, illuminated signs, signage, clocks or any other decorative element desired by the customer. Available in any colour from the RAL chart or in stainless steel.

standard / painted

decorative metals

crocco / leather

screen

vintage / floral

wood

signage

logos / images

WATCH VIDEO

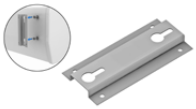
Optional accessories

Supports and installation

Wall rail supports SPWR

Silentblock supports SPANG-SIL / SLB

Suspension cables SPCT



Omega wall support SPT4

Wall angle support

Kit junction SPJ-ZEN BB middle and top

Support 180º straight arm Zen

Foot support SPF-ZEN BB (Galv. / SS)

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto CH-5HW-NE

Ambient thermostat T6360

Interface kit IN-NE-II

Filters

Removable prefilter G2

Sensors and valves

Magnetic door contact MAG-DC

Mechanical door contact MEG-DC

External Temperature Sensor (Clever Control)

Solenoid valve V-S

Valve 3 ways V-T

Proportional valve V-ACT

Anti-freezing sensor AFS-INS

Technical Features

Range
Up to 7 m

Airflow / Length
3750 - 9380 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 6 - 46 kW
P : 15,6 - 45,8 kW

Control
Plug&Play manual regulator
+ IR remote control
(Optional Clever Control)

Casing
Galvanised Steel [**]

Grille type
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

RAL 9016 standard | Other colors on request | Stainless steel

[*] Consult separate DX catalogs
[**] Each air curtain is tailor made

ROTOWIND air curtains are custom designed to fit perfectly with the curvature of any revolving door. They can be mounted discreetly in two possible layout configurations, with tailored dimensions: standard (on top mounting) or inverted (false ceiling mounting).

Self-supporting casing construction finished in white colour RAL9016 as standard. Other colours or stainless steel are available on request. With large perforated inlet grille avoiding intensive maintenance.

This model works with the latest generation of double-inlet centrifugal high efficiency EC fans driven by an external rotor motor, with low noise level and very low consumption.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
ROTO BB 1000 A	4020	0,873	3,87	66	-
ROTO BB 1500 A	5360	1,164	5,16	67	-
ROTO BB 2000 A	8040	1,746	7,74	68	-
ROTO BB 2500 A	9380	2,037	9,03	69	-

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V-50Hz	Ventilation current 230V-50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
ROTO BB 1000 E	4020	6/10/21	0,873	3,87	66	-
ROTO BB 1500 E	5360	8/19/27	1,164	5,16	67	-
ROTO BB 2000 E	8040	12/30/42 (**)	1,746	7,74	68	-
ROTO BB 2500 E	9380	16/30/46 (**)	2,037	9,03	69	-

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

WATER HEATED

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
ROTO BB 1000 P	3750	18,21	15190	15,16	16190	16,48	12180	0,873	3,87	65	-
ROTO BB 1500 P	5000	23,52	1200	21,87	10990	24,15	15260	1,164	5,16	66	-
ROTO BB 2000 P	7500	36,57	3470	31,13	7350	35,04	12680	1,746	7,74	67	-
ROTO BB 2500 P	8750	45,78	6370	38,96	13420	42,12	11880	2,037	9,03	68	-

Water heated:
P86, P64 2x1", P54 1500-2000 2x1" and 2500 2x1¼".
Connection pipes P86, P64 and P54 are male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

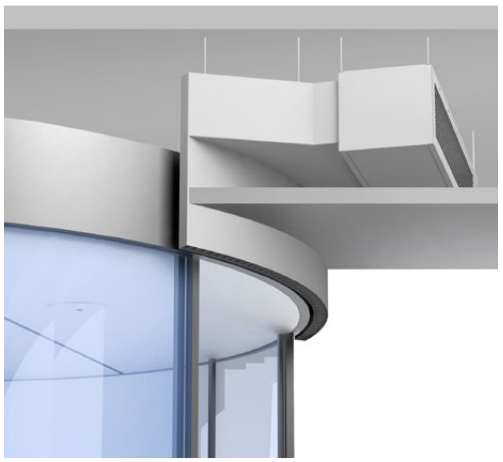
Installation configurations

Standard: Above the door

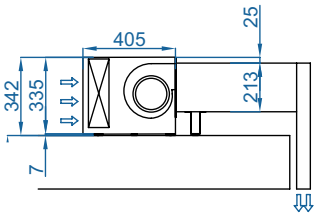
Mounted installation

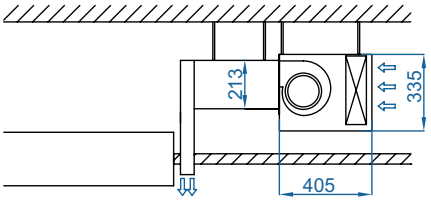
Hanging installation

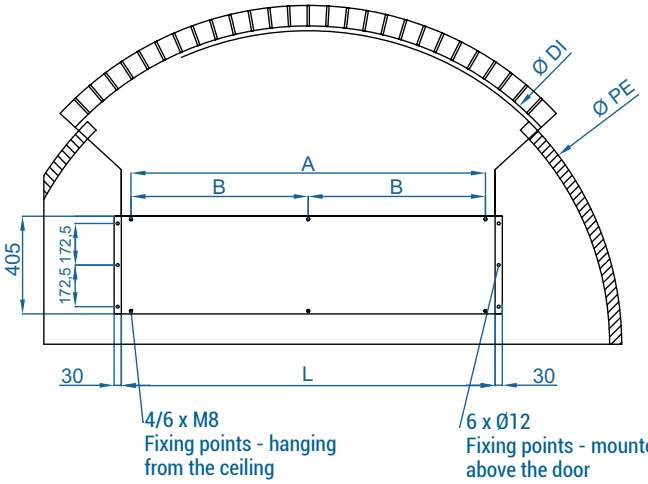
Inverted: False ceiling mounting

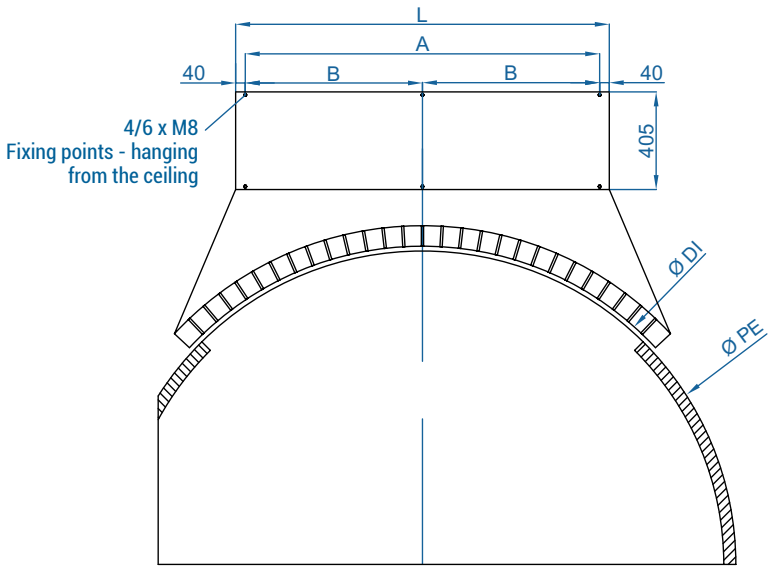


Dimensions









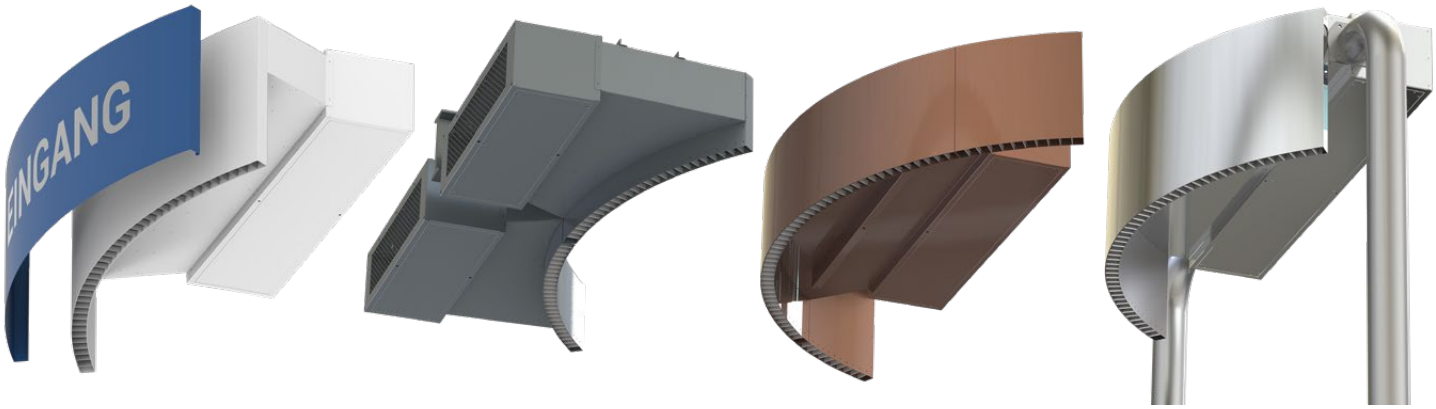
	L	I	A
ROTO BB 1000	1050	970	-
ROTO BB 1500	1550	1470	735
ROTO BB 2000	2055	1975	987,5
ROTO BB 2500	2555	2475	1237,5

Customizable dimensions on request.

Ø DI	Inside Outlet Diameter
Ø PE	External Door Diameter

Tailor made finishes

ROTOWIND can be customized in the same color or material as the revolving door to match the interior or exterior aesthetics of the building. Optionally, it can be ordered with a front decorative cover, which can be painted in a different color or finish. It can also be customized with logos, graphics or signage.
Multiple options available for accessories and supports to adapt to the installation requirements.



Optional acessories

Supports and installation


Decorative front cover (RAL Painted / SS)


Support angle (top mounting)
✔ Included


Silentblock support (top mounting)
✔ Included


Silentblock supports SPANG-SIL / SLB


Suspension cables SPCT


Round arm

Control


IR Control
✔ Included


Basic Control
✔ Included


Clever Control Kit


RJ45 Cable
✔ Included


Hand-Auto CH-5HW-NE


Ambient thermostat T6360


Interface kit IN-NE-II

Filters


Removable prefilter G2

Sensors and valves


Magnetic door contact MAG-DC


Mechanical door contact MEG-DC


External Temperature Sensor (Clever Control)


Solenoid valve V-S


Valve 3 ways V-T


Proportional valve V-ACT


Anti-freezing sensor AFS-INS

Technical Features

RAL 9016 standard

Other colors on request

Stainless steel

Range
Up to 7 m

Airflow / Length
3900 - 10400 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating type
A : unheated

Heating capacity
-

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised steel [*]

Inlet grille
Circular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

[*] Customizable dimensions on request

KOOL BB is a commercial size air curtain with a power equivalent to an industrial unit, with an elegant and timeless design.

This model works with the latest generation of double-inlet centrifugal high efficiency EC fans driven by an external rotor motor, with low noise level and very low consumption. With a large perforated inlet grille avoiding intensive maintenance.

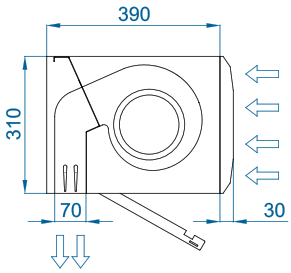
Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

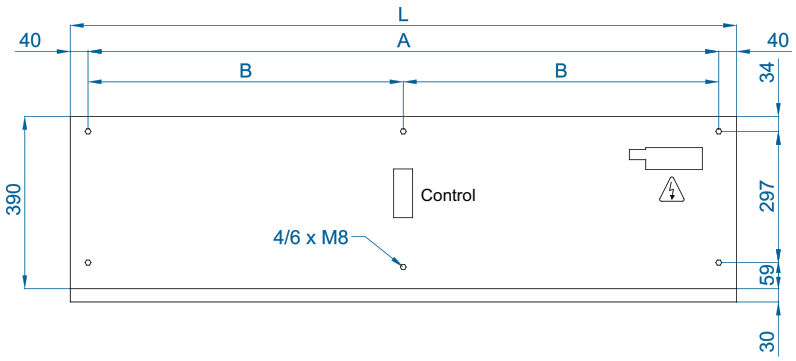
AIR ONLY

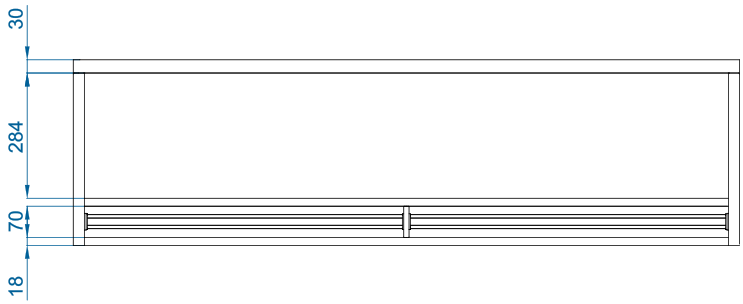
Model	Airflow	Power Fans 230V~50/60Hz	Current Fans 230V~50/60Hz	Noise Level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
KBB 1000 A	3900	0,921	4,08	67	38
KBB 1500 A	5200	1,228	5,44	67,5	62
KBB 2000 A	7800	1,842	8,16	68	77
KBB 2500 A	9100	2,149	9,52	68,5	93
KBB 3000 A	10400	2,456	10,88	69	106

Selection program

Dimensions







L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460

Optional accessories

Supports

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Foot support
SPF-KOOL BB
(Galv. / SS)

Joining kit
SPJ-KOOL BB
(Galv. / SS)

Control

IR Control
✔ Included

Basic Control CA-5AW-IR
✔ Included

Hand-Auto
CH-5HW-NE

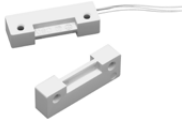
Clever Control Kit

Interface kit
IN-NE-II

RJ45 Cable
✔ Included

Sensors

Mechanical door contact
MEC-DC



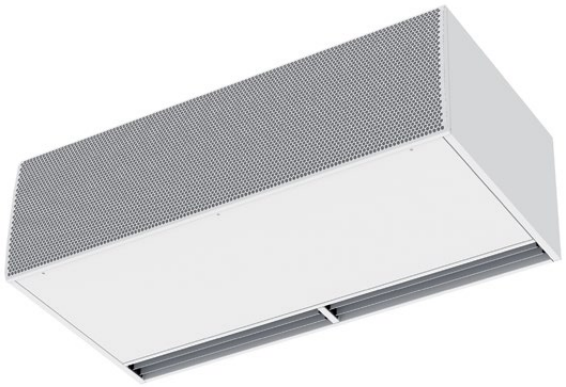
Magnetical door contact
MAG-DC

External Temperature
Sensor (Clever Control)

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Technical Features



RAL 9016 standard

Stainless steel

Other colors on request

Range
Up to 8 m

Airflow / Length
3800 - 17400 m³/h
1 m to 3 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 6 -80 kW
P : 16,2 - 85,3 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel

Grille type [**]
Industrial (standard)
Decorative (optional)

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15º each side

[*] Consult separate DX catalogs.

[**] Two front inlet grille options: industrial perforated by default (free of maintenance) or micro-perforated decorative with prefilter function.

WINDBOX L,XL has been designed to create a high effective air barrier for doors up to 8 meters high, maintaining internal conditions and reducing energy losses. A highly powerful and robust industrial air curtain model for large dimension doors, ready for visible installation over the door and prepared for multiple false ceiling installation configurations.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor and low noise level.

Includes Plug&Play control with 10m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED - 230Vx1

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
L 1000 A	4000	1,04	4,4	63	72
L 1500 A	6000	1,56	6,6	64	108
L 2000 A	8000	2,08	8,8	65	145
L 2500 A	10000	2,60	11,0	66	177
L 3000 A	12000	3,12	13,2	67	213
XL 1000 A	5300	1,40	6,0	65	78
XL 1500 A	7950	2,10	9,0	66	117
XL 2000 A	10600	2,80	12,0	67	157
XL 2500 A	13250	3,50	15,0	68	192
XL 3000 A	15900	4,20	18,0	69	231

UNHEATED - 400Vx3

Model	Airflow	Ventilation power 400Vx3~50Hz	Ventilation current 400Vx3~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
L 1000 A - 400Vx3	4260	1,2	2,6	63	72
L 1500 A - 400Vx3	6400	1,8	3,9	64	108
L 2000 A - 400Vx3	8660	2,4	5,2	65	145
L 2500 A - 400Vx3	10650	3,0	6,5	66	177
L 3000 A - 400Vx3	12780	3,6	7,8	67	213
XL 1000 A - 400Vx3	5800	1,76	3,2	65	78
XL 1500 A - 400Vx3	8700	2,64	4,8	66	117
XL 2000 A - 400Vx3	11600	3,52	6,4	67	157
XL 2500 A - 400Vx3	14500	4,40	8,0	68	192
XL 3000 A - 400Vx3	17400	5,28	9,6	69	231

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
L 1000 E	4000	6/13/19	1,04	4,4	63	90
L 1000 E-25	4000	10/15/25	1,04	4,4	63	90
L 1500 E	6000	8/22,5/30,5	1,56	6,6	64	135
L 1500 E-37,5	6000	15/22,5/37,5 (**)	1,56	6,6	64	135
L 2000 E	8000	12/30/42 (**)	2,08	8,8	65	180
L 2000 E-50	8000	20/30/50 (**)	2,08	8,8	65	180
L 2500 E	10000	20/30/50 (**)	2,60	11,0	66	225
L 2500 E-60	10000	20/40/60 (***)	2,60	11,0	66	225
L 3000 E	12000	20/40/60 (***)	3,12	13,2	67	270
L 3000 E-70	12000	20/50/70 (***)	3,12	13,2	67	270
XL 1000 E	5300	10/15/25	1,40	6,0	65	95
XL 1000 E-35	5300	10/25/35 (**)	1,40	6,0	65	96
XL 1500 E	7950	15/22,5/37,5 (**)	2,10	9,0	66	144
XL 1500 E-52	7950	15/22,5/37,5 (**)	2,10	9,0	66	150
XL 2000 E	10600	20/30/50 (**)	2,80	12,0	67	192
XL 2000 E-70	10600	20/30/50 (***)	2,80	12,0	67	200
XL 2500 E	13250	20/40/60 (***)	3,50	15,0	68	240
XL 2500 E-70	13250	20/50/70 (***)	3,50	15,0	68	250
XL 3000 E	15900	20/50/70 (***)	4,20	18,0	69	268
XL 3000 E-80	15900	30/50/80 (***)	4,20	18,0	69	300

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

(***) 3 separated power supplies.

WATER HEATED - 230Vx1

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
L 1000 P	3800	19,68	1730	16,18	2570	17,18	1560	1,04	4,4	62	89
L 1500 P	5700	29,64	950	25,92	3210	29,04	5710	1,56	6,6	63	128
L 2000 P	7600	43,01	2390	35,58	3680	38,93	4330	2,08	8,8	64	171
L 2500 P	9500	56,01	4670	45,55	4750	49,36	4990	2,60	11,0	65	214
L 3000 P	11400	69,27	8090	56,78	8350	59,96	5770	3,12	13,2	66	260
XL 1000 P	4900	22,68	2250	18,98	3410	20,43	2120	1,40	6,0	64	94
XL 1500 P	7350	34,52	1240	30,45	4270	34,55	7780	2,10	9,0	65	137
XL 2000 P	9800	50,10	3140	41,83	4910	46,36	5910	2,80	12,0	66	183
XL 2500 P	12250	65,29	6130	53,56	6330	58,81	6810	3,50	15,0	67	227
XL 3000 P	14700	80,79	10640	66,78	11140	71,47	7890	4,20	18,0	68	278

WATER HEATED - 400Vx3

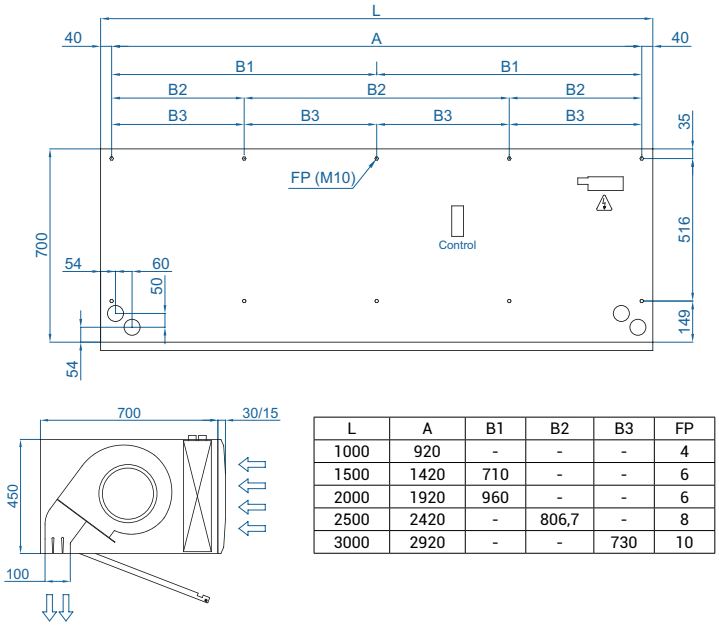
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 400Vx3 ~50Hz	Ventilation current 400Vx3 ~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
L 1000 P - 400Vx3	4050	20,45	1850	16,86	2760	17,96	1690	1,20	2,6	62	89
L 1500 P - 400Vx3	6075	31,23	1090	27,01	3460	30,36	6180	1,80	3,9	63	128
L 2000 P - 400Vx3	8100	44,72	2560	37,09	3960	40,71	4690	2,40	5,2	64	171
L 2500 P - 400Vx3	10125	58,25	5010	47,47	5110	51,62	5400	3,00	6,5	65	214
L 3000 P - 400Vx3	12150	72,04	8670	59,19	8990	62,72	6250	3,60	7,8	66	260
XL 1000 P - 400Vx3	5365	24,09	2470	20,07	3760	21,69	2360	1,76	3,2	64	94
XL 1500 P - 400Vx3	8050	36,41	1370	32,22	4720	36,72	8670	2,64	4,8	65	137
XL 2000 P - 400Vx3	10730	52,85	3450	44,26	5420	49,28	6590	3,52	6,4	66	183
XL 2500 P - 400Vx3	13415	68,89	6750	56,68	7000	61,53	7590	4,40	8,0	67	227
XL 3000 P - 400Vx3	16095	85,26	11700	70,68	12310	76,01	8800	5,28	9,6	68	278

Water heated:
2x1" for 1000 and 1500, 2x1¼" for 2000 and 2500, 2x1½" for 3000.
Connection pipes P86, P64 and P54 are female (male if lateral pipes).
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

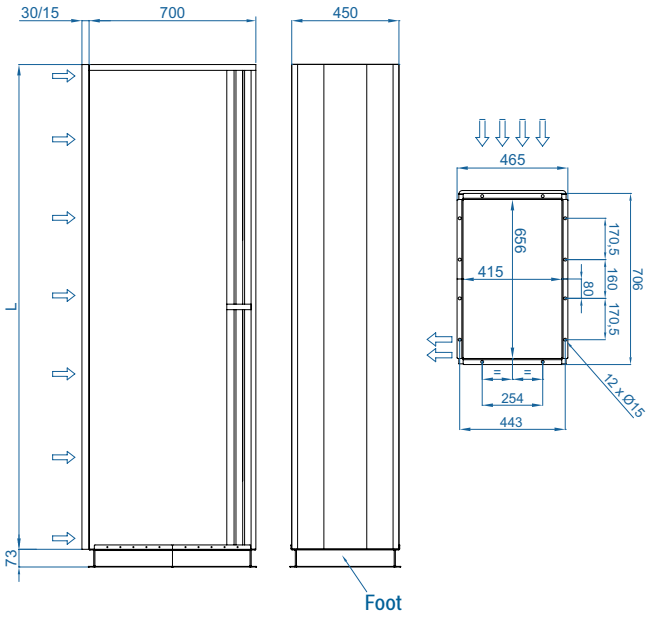
Dimensions

Horizontal installation

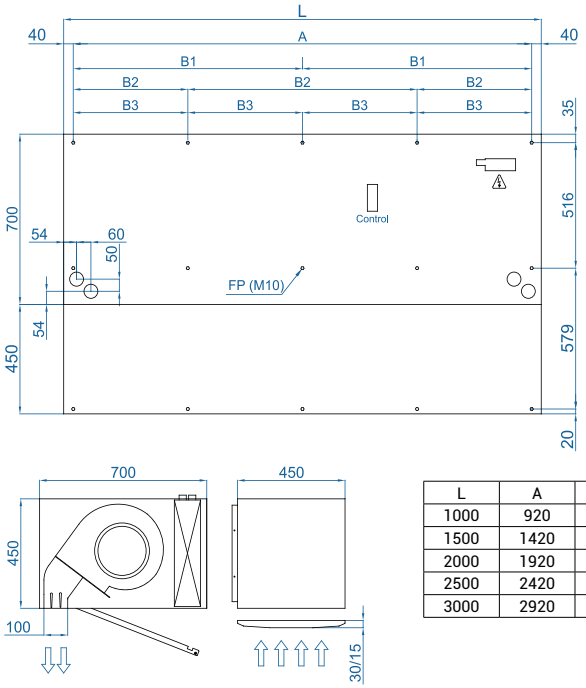


L	A	B1	B2	B3	FP
1000	920	-	-	-	4
1500	1420	710	-	-	6
2000	1920	960	-	-	6
2500	2420	-	806,7	-	8
3000	2920	-	-	730	10

Vertical installation

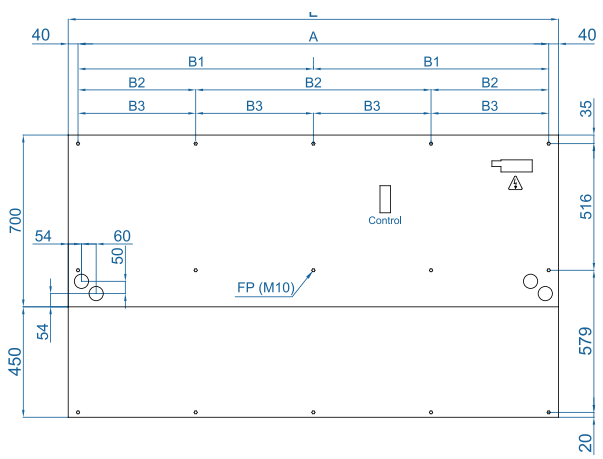


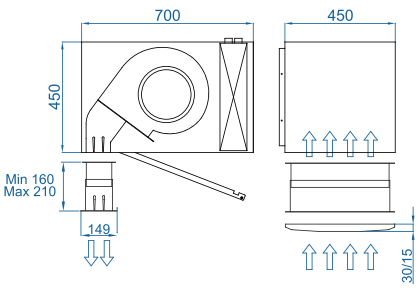
Inside ceiling surface mounting



L	A	B1	B2	B3	FP
1000	920	-	-	-	4+2
1500	1420	710	-	-	6+3
2000	1920	960	-	-	6+3
2500	2420	-	806,7	-	8+4
3000	2920	-	-	730	10+5

False ceiling invisible mounting

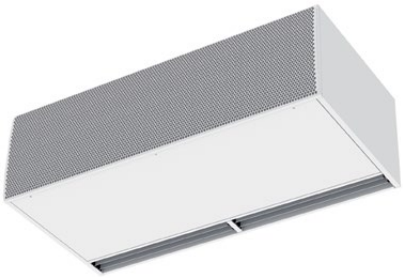




CAD drawings, BIM files, installation manuals and other documentation

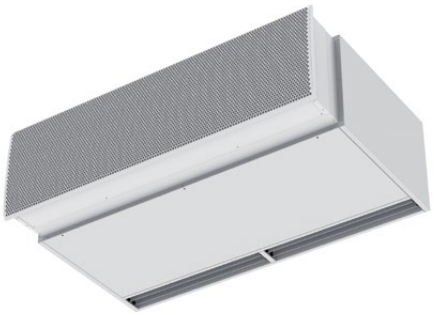
CAD BIM

Installation Configurations



Free hanging mounting

With outlet kit



With inlet kit

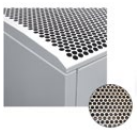
With plenum

With plenum and kits

With INS outlet kit

Optional Accessories

Inlet Grille



Industrial Grille (Perforated)
✔ Included

Decorative Grille (Micro-perforated)

Supports and installation

Wall rail support SPWR

Silentblock supports SPANG-SIL / SLB

Suspension cables SPCT

Foot support SPF-LXL (Galv. / SS)

Joining kit SPJ-LXL (Galv. / SS)

Kit INS (Galv. / SS)

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto CH-5HW-NE

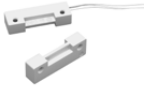
Ambient thermostat T6360

Interface kit IN-NE-II

Filters

Removable prefilter G2

Sensors and valves



Magnetic door contact MAG-DC

Mechanical door contact MEC-DC

External Temperature Sensor (Clever Control)

Solenoid valve V-S

Valve 3 ways V-T

Proportional valve V-ACT

Anti-freezing sensor AFS-INS

Technical Features

Casing: Black forge (standard)

Panels: Anodized aluminium (standard)

Panels: Stainless Steel (optional)

Other colors on request

Range
Up to 7 m

Airflow / Length
3800 - 13250 m³/h
1 m to 2,5 m

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated
DX : heat pump [*]

Heating capacity
E : 10 -70 kW
P : 16,2 - 65,3 kW

Control
Plug&Play manual regulator + IR remote control (Optional Clever Control)

Casing
Galvanised Steel

Grille type
Rectangular perforated

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15º each side

[*] Consult separate DX catalogs

Decorative, minimalist and elegant, ZEN air curtain makes it the favorite of architects and designers to include in their projects.
ZEN L,XL air curtain has the same aesthetic as the MG model, but with the power and dimensions of an industrial unit.

Its smart design and high performance is perfect to blend with any building's internal or external aesthetics. Apart from seamlessly integrating into any space, ZEN can become an active part of the decor and ambience of the premises offering more features than a standard air curtain.

ZEN air curtain offers infinite possibilities of customization. Central casing made of galvanized steel finished in black forge as standard. Front anodized aluminium panels, optionally manufactured in brushed or mirror polished stainless steel. Other materials are possible, such as wood, metal, etc.
Other colours are available on request. Special finishes with other materials such as aged metal, wood, glass, PVC / PES, logos, signage, graphics, lights, clocks, vinyl or slogans.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level.

Includes Plug&Play control with 10m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

UNHEATED

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
ZEN L 1000 A	4000	1,04	4,4	63	72
ZEN L 1500 A	6000	1,56	6,6	64	108
ZEN L 2000 A	8000	2,08	8,8	65	145
ZEN L 2500 A	10000	2,60	11,0	66	177
ZEN XL 1000 A	5300	1,40	6,0	65	78
ZEN XL 1500 A	7950	2,10	9,0	66	117
ZEN XL 2000 A	10600	2,80	12,0	67	157
ZEN XL 2500 A	13250	3,50	15,0	68	192

ELECTRIC HEATED

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
ZEN L 1000 E	4000	10/15/25	1,04	4,4	63	90
ZEN L 1500 E	6000	15/22,5/37,5 (**)	1,56	6,6	64	135
ZEN L 2000 E	8000	20/30/50 (**)	2,08	8,8	65	180
ZEN L 2500 E	10000	20/40/60 (**)	2,60	11,0	66	225
ZEN XL 1000 E	5300	10/15/25	1,40	6,0	65	95
ZEN XL 1000 E-35	5300	10/25/35 (**)	1,40	6,0	65	96
ZEN XL 1500 E	7950	15/22,5/37,5 (**)	2,10	9,0	66	144
ZEN XL 1500 E-52	7950	15/22,5/37,5 (**)	2,10	9,0	66	150
ZEN XL 2000 E	10600	20/30/50 (**)	2,80	12,0	67	192
ZEN XL 2000 E-70	10600	20/30/50 (***)	2,80	12,0	67	200
ZEN XL 2500 E	13250	20/40/60 (***)	3,50	15,0	68	240
ZEN XL 2500 E-70	13250	20/50/70 (***)	3,50	15,0	68	250

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

(***) 3 separated power supplies.

WATER HEATED

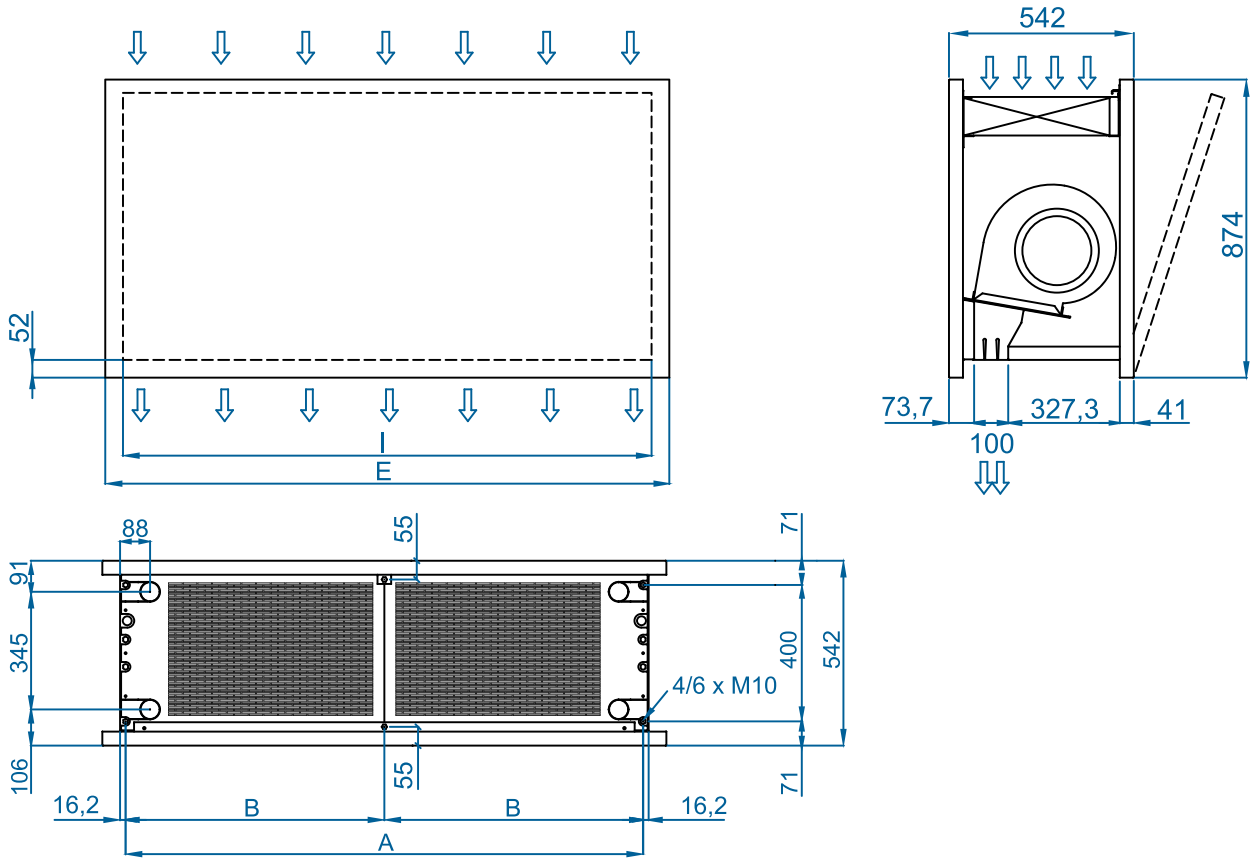
Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
ZEN L 1000 P	3800	19,68	1730	16,18	2570	17,18	1560	1,04	4,4	62	89
ZEN L 1500 P	5700	29,64	950	25,92	3210	29,04	5710	1,56	6,6	63	128
ZEN L 2000 P	7600	43,01	2390	35,58	3680	38,93	4330	2,08	8,8	64	171
ZEN L 2500 P	9500	56,01	4670	45,55	4750	49,36	4990	2,60	11,0	65	214
ZEN XL 1000 P	4900	22,68	2250	18,98	3410	20,43	2120	1,40	6,0	64	94
ZEN XL 1500 P	7350	34,52	1240	30,45	4270	34,55	7780	2,10	9,0	65	137
ZEN XL 2000 P	9800	50,10	3140	41,83	4910	46,36	5910	2,80	12,0	66	183
ZEN XL 2500 P	12250	65,29	6130	53,56	6330	58,81	6810	3,50	15,0	67	227

Water heated:
2x1" for 1000 and 1500, 2x1¼" for 2000 and 2500
Connection pipes P86, P64 and P54 are female (male if lateral pipes).
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Selection program

Dimensions

Horizontal Installation



	L	I	A
ZEN LXL 1000	1220	1140	1115
ZEN LXL 1500	1620	1544	1515
ZEN LXL 2000	2120	2044	2015
ZEN LXL 2500	2620	2544	2515

Customizable dimensions on request.

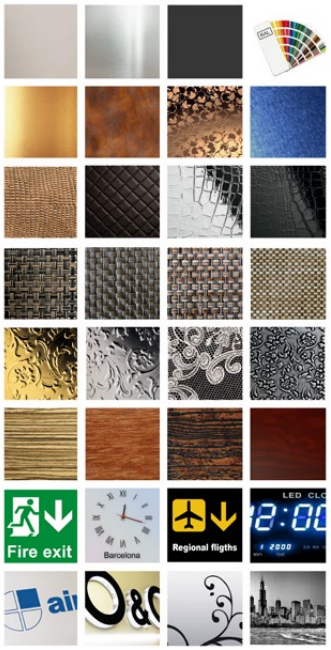
CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Finishes

The front panel is designed to include graphics, logos, illuminated signs, signage, clocks or any other decorative element desired by the customer. Available in any colour from the RAL chart or in stainless steel.

WATCH VIDEO



standard / painted

decorative metals

crocco / leather

screen

vintage / floral

wood

signage

logos / images

Optional accessories

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Control

IR Control
✔ Included

Basic Control
✔ Included

Clever Control Kit

RJ45 Cable
✔ Included

Hand-Auto
CH-5HW-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Filters

Removable
prefilter G2

Sensors and valves

Magnetic door contact
MAG-DC

Mechanical door contact
MEC-DC

External Temperature
Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 8 m

Airflow / Length
6400 - 20800 m³/h
1,5 m to 3,5 m

Fans
Axial
(Optional Atex) [*]

Heating types
E : electrical 3 stages
P : water
A : unheated

Heating capacity
E : 12 - 90 kW
P : 34,1 - 131,4 kW

Control
Without regulation
(Optional manual control + IR)
(Optional Clever Control)

Casing
Galvanised Steel

Grille type
-

Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

MAXWELL high performance air curtains for large industrial doors in industrial buildings, factories, loading bays, hangars or railway stations.
For vertical or horizontal installation, they can be easily coupled together as dockable modules to reach large dimensions.
Available in 1.5, 2.0, 2.5, 3.0 and 3.5 meters length.

With its double air discharge jet with Coanda effect they achieve longer distances more efficiently.

High efficiency and low noise axial fans, driven with external rotor motor single phase 230V. Optionally three phase 400V. Maintenance free.

Regulation not included. Optional: Basic regulation with Plug&Play control panel provided with 5-speed selection, 10m RJ45 cable and remote control. Advanced regulation with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).

[*] Atex Fans: Optional high efficiency and low noise explosion proof axial fans Atex II 3G Ex h IIB T3 Gc X, driven with external rotor motor three phase 400V. "A" type without heating, air only. "P" type with water heated.

UNHEATED - 230Vx1

Model	Airflow	Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
MXW 1500 A	7000	0,68	2,96	60	79
MXW 2000 A	10500	1,02	4,44	61	103
MXW 2500 A	14000	1,36	5,92	62	126
MXW 3000 A	17500	1,70	7,40	63	150
MXW 3500 A	20800	2,04	8,88	64	173

UNHEATED - 400Vx3

Model	Airflow	Ventilation power 400Vx3~50Hz	Ventilation current 400Vx3~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
MXW 1500 A 400Vx3	7000	0,66	1,32	60	79
MXW 2000 A 400Vx3	10500	0,99	1,98	61	103
MXW 2500 A 400Vx3	14000	1,32	2,64	62	126
MXW 3000 A 400Vx3	17500	1,65	3,30	63	150
MXW 3500 A 400Vx3	20800	1,98	3,96	64	173

UNHEATED - EC Fans

Model	Airflow	Ventilation Power 230V~50Hz	Ventilation Current 230V~50Hz	Noise Level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
MXW EC 1500 A	9200	0,99	4,4	63	83
MXW EC 2000 A	13800	1,485	6,6	64	109
MXW EC 2500 A	18400	1,98	8,8	65	134
MXW EC 3000 A	23000	2,475	11	66	160
MXW EC 3500 A	27600	2,97	13,2	67	185

UNHEATED - ATEX Fans

Model	Airflow	Ventilation power 400Vx3~50Hz	Ventilation current 400Vx3~50Hz	Noise level (5 m)	Weight
	m³/h	kW	A	dB(A)	kg
MXW 1500 A EX-Fans	6400	0,74	2,24	60	79
MXW 2000 A EX-Fans	9600	1,11	3,36	61	103
MXW 2500 A EX-Fans	12800	1,48	4,48	62	126
MXW 3000 A EX-Fans	16000	1,85	5,60	63	150
MXW 3500 A EX-Fans	19200	2,22	6,72	64	173

ELECTRIC HEATED - Fan power supply 230Vx1

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 230Vx1~50Hz	Ventilation current 230Vx1~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
MXW 1500 E	7000	15/22,5/37,5 (**)	0,68	2,96	60	96
MXW 2000 E	10500	20/30/50 (**)	1,02	4,44	61	133
MXW 2500 E	14000	30/40/70 (***)	1,36	5,92	62	167
MXW 3000 E	17500	30/50/80 (***)	1,70	7,40	63	201
MXW 3500 E	20800	30/60/90 (****)	2,04	8,88	64	231

ELECTRIC HEATED - Fan power supply 400Vx3

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation power 400Vx3~50Hz	Ventilation current 400Vx3~50Hz	Noise level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
MXW 1500 E 400Vx3	7000	15/22,5/37,5 (**)	0,66	1,32	60	96
MXW 2000 E 400Vx3	10500	20/30/50 (**)	0,99	1,98	61	133
MXW 2500 E 400Vx3	14000	30/40/70 (***)	1,32	2,64	62	167
MXW 3000 E 400Vx3	17500	30/50/80 (***)	1,65	3,30	63	201
MXW 3500 E 400Vx3	20800	30/60/90 (****)	1,98	3,96	64	231

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

(***) 3 separated power supplies.

(***) The electrical 3500 heater incorporates the bars of length 3000 model.

ELECTRIC HEATED - EC Fans

Model	Airflow	Electrical heating capacity 400Vx3~50Hz (*)	Ventilation Power 230V~50Hz	Ventilation Current 230V~50Hz	Noise Level (5 m)	Weight
	m³/h	kW	kW	A	dB(A)	kg
MXW EC 1500 E	9200	15/22,5/37,5 (**)	0,99	4,4	63	96
MXW EC 2000 E	13800	20/30/50 (**)	1,485	6,6	64	133
MXW EC 2500 E	18400	30/40/70 (***)	1,98	8,8	65	167
MXW EC 3000 E	23000	30/50/80 (***)	2,475	11	66	201
MXW EC 3500 E	27600	30/60/90 (****)	2,97	13,2	67	233

(*) Under request other electrical heating power can be limited.

(**) 2 separated power supplies.

(***) 3 separated power supplies.

(***) The electrical 3500 heater incorporates the bars of length 3000 model.

WATER HEATED - 230Vx1

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		Ventilation power 230V~50Hz	Ventilation current 230V~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	A	dB(A)	kg
MXW 1500 P	6800	35,69	730	34,09	12620	0,68	2,96	59	95
MXW 2000 P	10200	56,29	2180	50,16	13660	1,02	4,44	60	126
MXW 2500 P	13600	76,97	4730	66,19	14600	1,36	5,92	61	158
MXW 3000 P	17000	97,77	8640	82,22	14560	1,70	7,40	62	189
MXW 3500 P	20300	114,37	13260	97,92	14910	2,04	8,88	63	221

WATER HEATED - 400Vx3

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		Ventilation power 400Vx3~50Hz	Ventilation current 400Vx3~50Hz	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m³/h	kW	Pa	kW	Pa	kW	A	dB(A)	kg
MXW 1500 P 400Vx3	6800	35,69	730	34,09	12620	0,66	1,32	59	95
MXW 2000 P 400Vx3	10200	56,29	2180	50,16	13660	0,99	1,98	60	126
MXW 2500 P 400Vx3	13600	76,97	4730	66,19	14600	1,32	2,64	61	158
MXW 3000 P 400Vx3	17000	97,77	8640	82,22	14560	1,65	3,30	62	189
MXW 3500 P 400Vx3	20300	114,37	13260	97,92	14910	1,98	3,96	63	221

WATER HEATED - EC Fans

Model	Airflow	P86 (80/60°C)		P64 (60/40°C)		Ventilation Power 230V~50Hz	Ventilation Current 230V~50Hz	Noise Level (5 m)	Weight
		Water Heating Capacity	Water Pressure Drop	Water Heating Capacity	Water Pressure Drop				
	m³/h	kW	Pa	kW	Pa	kW	A	dB(A)	kg
MXW EC 1500 P	8600	47,72	15490	39,6	16450	0,99	4,4	62	99
MXW EC 2000 P	12900	64,77	2800	58,2	17770	1,485	6,6	63	132
MXW EC 2500 P	17200	87,02	5880	75,36	18370	1,98	8,8	64	164
MXW EC 3000 P	21500	109,36	10540	92,53	17940	2,475	11	65	199
MXW EC 3500 P	25800	131,42	16970	110,14	18960	2,97	13,2	66	233

WATER HEATED - ATEX Fans

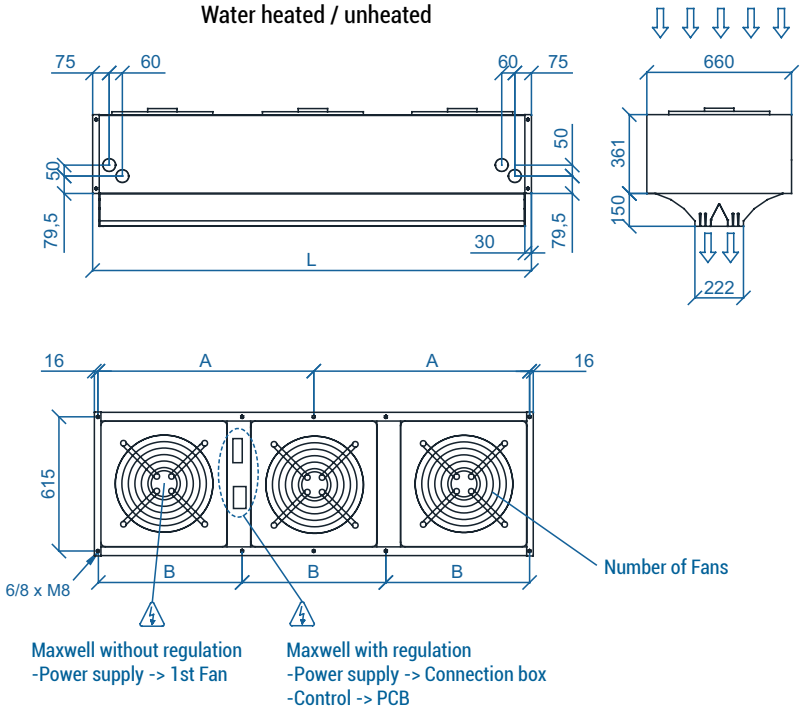
Model	Airflow	P86 (80/60ºC) Water heating capacity	P86 (80/60ºC) Water pressure drop	P64 (60/40ºC) Water heating capacity	P64 (60/40ºC) Water pressure drop	Ventilation power 400Vx3~50Hz	Ventilation current 400Vx3~50Hz	Noise level (5 m)	Weight
	m³/h	kW	Pa	kW	Pa	kW	A	dB(A)	kg
MXW 1500 P EX Fans	6400	39,88	11270	32,78	11780	0,74	2,24	59	95
MXW 2000 P EX Fans	9600	54,26	2040	63,10	13630	1,11	3,36	60	126
MXW 2500 P EX Fans	12800	74,21	4430	63,38	13630	1,48	4,48	61	158
MXW 3000 P EX Fans	16000	94,26	8100	79,11	13630	1,85	5,60	62	189
MXW 3500 P EX Fans	19200	114,35	13260	94,50	14000	2,22	6,72	63	221

Water heated:
P86 2 rows coil, P64 3 rows coil
2x1¼" for all models.
Connection pipes P86 and P64 are female (male if lateral pipes).

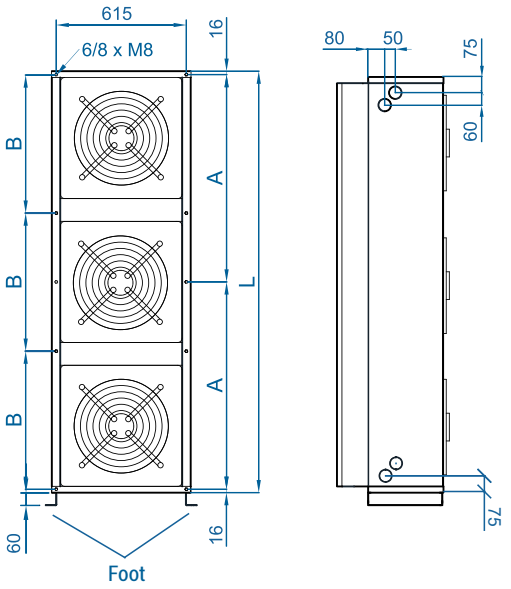
Selection program

Dimensions

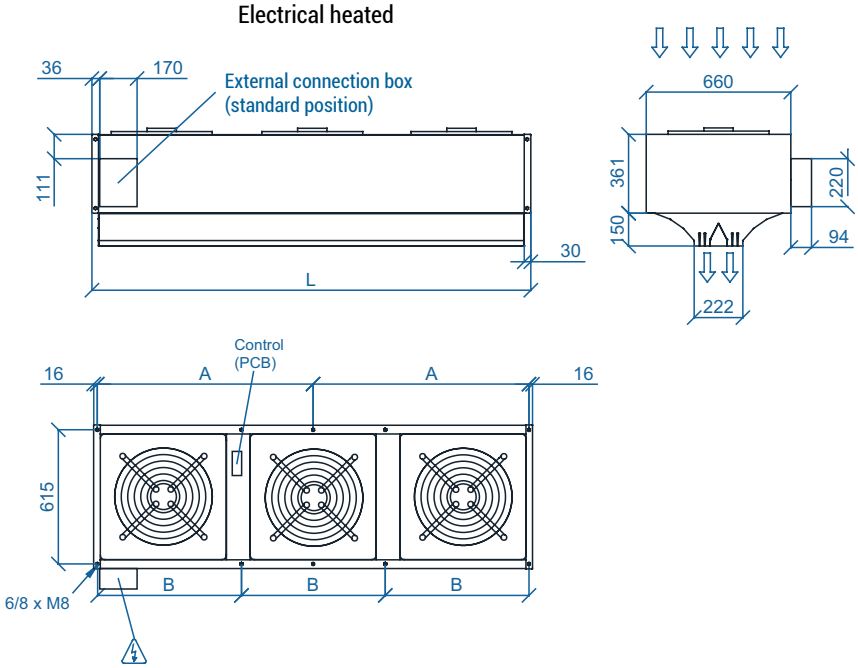
Horizontal installation
Water heated / unheated



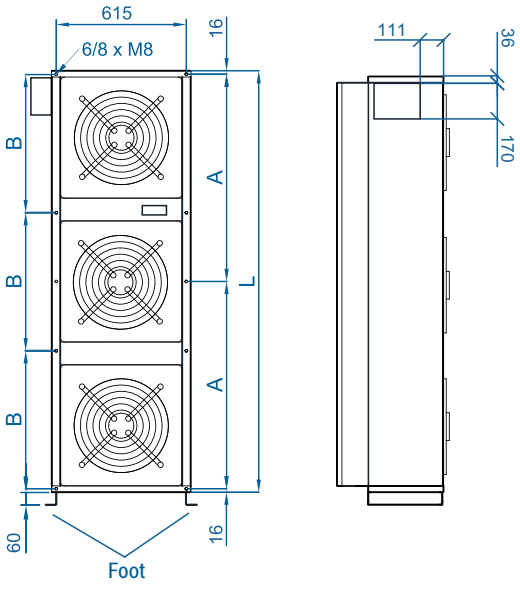
Vertical installation
Water heated / unheated



Horizontal installation
Electrical heated



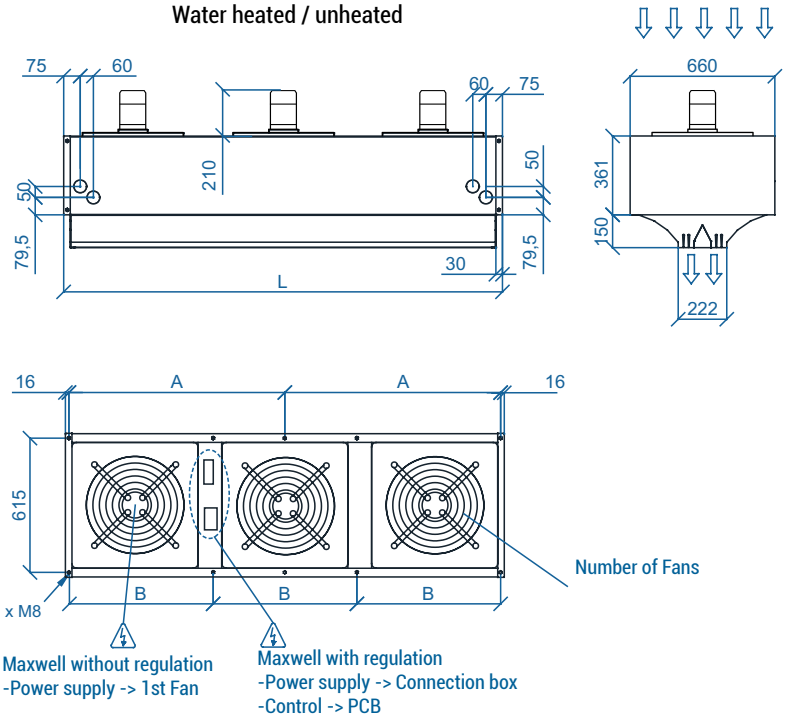
Vertical installation
Electrical heated



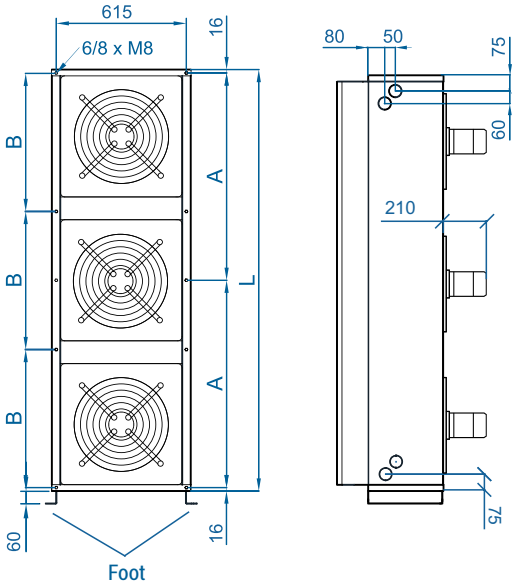
	L	A	B	Fans
MXW 1500	1500	734	-	2
MXW 2000	2000	984	-	3
MXW 2500	2500	1234	-	4
MXW 3000	3040	-	1002,5	5
MXW 3500	3620	-	1196	6

ATEX fans dimensions

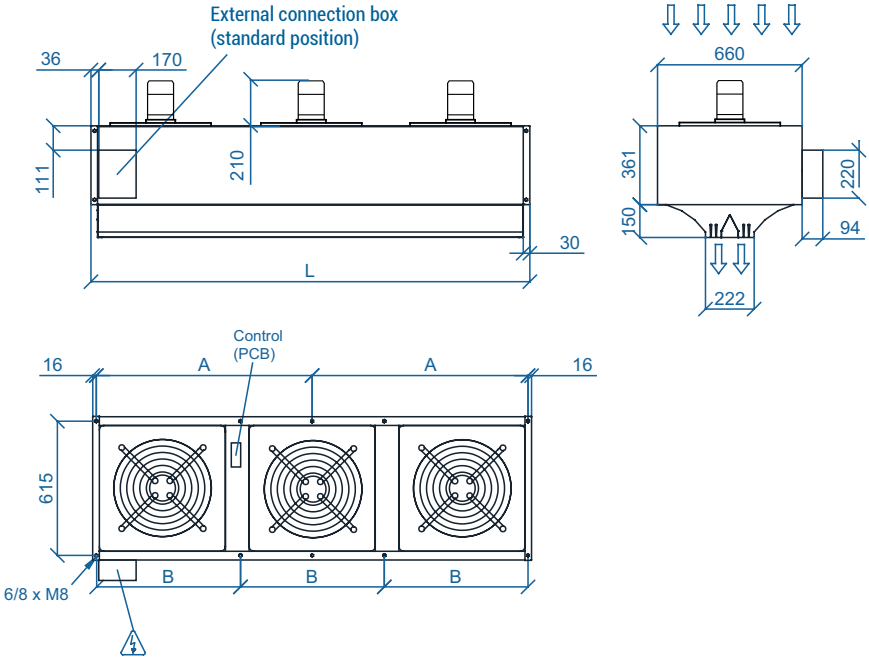
Horizontal installation
Water heated / unheated



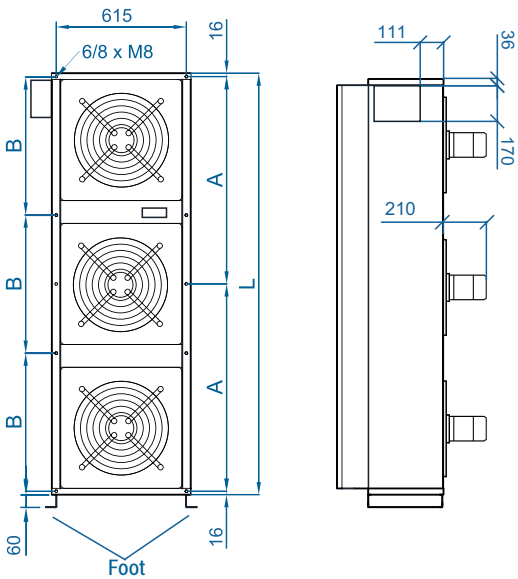
Vertical installation
Water heated / unheated



Horizontal installation
Electrical heated



Vertical installation
Electrical heated



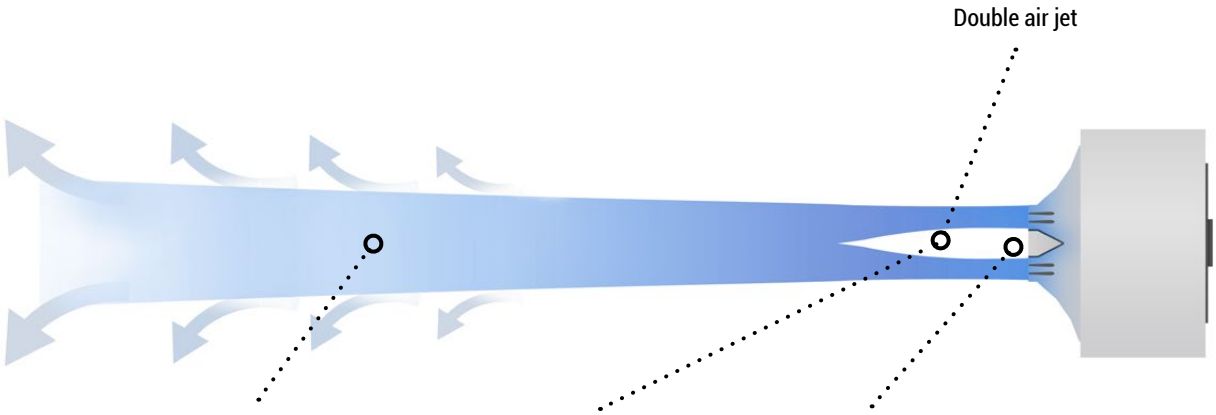
	L	A	B	Fans
MXW 1500	1500	734	-	2
MXW 2000	2000	984	-	3
MXW 2500	2500	1234	-	4
MXW 3000	3040	-	1002,5	5
MXW 3500	3620	-	1196	6

CAD drawings, BIM files, installation manuals and other documentation

CAD BIM

Coanda Effect

The main characteristic of MAXWELL air curtain outlet is its double blow-out jet with Coanda effect. This airflow distribution permits to achieve larger and more efficient air jet. Moreover, it is a compact and versatile air curtain, available in several lengths that can be easily combined to reach large dimensions.



This airflow distribution permits to achieve larger, stronger, constant and more efficient air jet

The deflector accelerates the air speed and creates 2 air jets, contributing to origin the Coanda Effect

The deflector creates the air stream stagnation point, where the velocity becomes 0 and the kinetic energy is converted into pressure energy

Optional Accessories

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

Foot support
SPF-MXW
(Galv. / SS)

Joining kit
SPJ-MXW
(Galv. / SS)

Control

IR Control

Basic Control

Clever Control Kit

RJ45 Cable

Hand-Auto
CH-5HW-NE

Ambient thermostat
T6360

Interface kit
IN-NE-II

Sensors and valves

Magnetic door contact
MAG-DC

Mechanical door contact
MEC-DC

External Temperature Sensor (Clever Control)

Solenoid valve
V-S

Valve 3 ways
V-T

Proportional valve
V-ACT

Anti-freezing sensor
AFS-INS

POWER COEFFICIENTS

Correction factors for water temperatures

Water heated air curtains

The technical data tables give the nominal heat capacity for warm water coils supplied with water at 80/60ºC, 60/40ºC and 50/40ºC with the air inlet temperature at 20ºC.

These tables supply the corresponding factors for calculating the heat capacity with different air and water inlet temperatures.

Water			Air Inlet Temperature			Water			Air Inlet Temperature		
Coil	Difference	Temperatures	15ºC	18ºC	20ºC	Coil	Difference	Temperatures	15ºC	18ºC	20ºC
80/60 2 rows	20ºC	100/80	1,58	1,53	1,46	50/40 4 rows	20ºC	100/80	3,26	3,11	3,01
		90/70	1,35	1,27	1,22			90/70	2,79	2,64	2,54
		80/60	1,11	1,04	1,00			80/60	2,32	2,17	2,07
		70/50	0,89	0,82	0,78			70/50	1,83	1,69	1,59
		60/40	0,66	0,59	0,54			60/40	1,35	1,21	1,11
		55/35	0,54	0,47	0,42			50/30	0,85	0,68	0,58
	15ºC	100/85	1,72	1,64	1,59		15ºC	80/65	2,47	2,34	2,24
		90/75	1,47	1,40	1,35			70/55	2,01	1,86	1,77
		80/65	1,22	1,14	1,09			60/45	1,53	1,39	1,30
		70/55	0,97	0,90	0,86			50/35	1,05	0,91	0,83
		60/45	0,73	0,66	0,61			45/30	0,85	0,71	0,63
		50/35	0,48	0,40	0,35		10ºC	60/50	1,71	1,57	1,47
	10ºC	80/70	-	1,28	1,20			50/40	1,24	1,10	1,00
		70/60	1,09	1,02	0,97			40/30	0,77	0,62	0,53
		60/50	0,84	0,77	0,72						
		50/40	0,59	0,52	0,48						
		40/30	0,35	0,27	0,22						
60/40 3 rows	20ºC	100/80	2,86	2,71	2,62						
		90/70	2,45	2,30	2,21						
		80/60	2,03	1,89	1,81						
		70/50	1,61	1,48	1,40						
		60/40	1,21	1,08	1,00						
		50/30	0,80	0,67	0,59						
	15ºC	60/45	-	1,22	1,14						
		50/35	0,94	0,82	0,75						
	10ºC	40/30	0,69	0,57	0,49						

Airtècnics' standard coils can be used in a wide range of temperatures, although output parameters will vary. To get more information and check if certain coils will work for a particular installation, Airtècnics has an air curtain selection tool in its website.

This interactive tool is designed to help clients choose the right air curtain depending on the application and the water temperature, and can calculate the heating output of the standard coils in certain water temperature ranges.

Example of heat capacity calculation:

Model M 2000 P 80/60°C
Air inlet temperature 15°C, Water temperature 90/70°C

HEAT CAPACITY	=	**Nominal Power (20,65 kW)**	x	**Coefficient (1,35)**	=	**27,87 kW**

Selection program

EC TECHNOLOGY

EC Concept

EC technology (Electronically Commutated) consists of a direct current (DC) motor that incorporates a converter to be able to connect to alternating current (AC).
The static part of the fan (stator) includes an electronic board that transforms the AC to DC current and also allows regulating the fan speed proportionally from 0 to 100%.
EC motor have no slippage losses, thus increasing efficiency versus AC motor.

EC Motor Principle

- DC motor with permanent magnets in the rotor.
- An electronic board controls the electronic switches that replace the carbon brushes.
- An electronic system recognizes the position and direction of rotation of the rotor (software, Hall effect sensors).
- Power supply with alternating current, valid for 50Hz or 60Hz indistinctly.

Advantages and benefits

EC air curtains are extremely efficient reducing the running cost of the ventilation up to 65% using EC instead of AC fans.

- Energy saving: high efficiency, reducing consumption compared to an AC.
- Longer life because the motor works at a lower temperature than an equivalent AC.
- Control: proportional fan speed 0-100% easily controllable with 0-10V regulation.
- Simplicity: 50Hz or 60Hz indistinctly, electronic transformation and power are completely integrated in the motor.

Available EC Air Curtains:

Windbox ECM-ECG, Smart, Kool, Recessed Windbox, Dam, Recessed Dam, Variwind, Recessed Compact, Rund, Zen, Rotowind, Invisair, Windbox BB, Recessed Windbox BB, Zen BB, Invisair BB, Rotowind BB and Kool BB.

EC vs AC air curtain - energy saving up to 65%

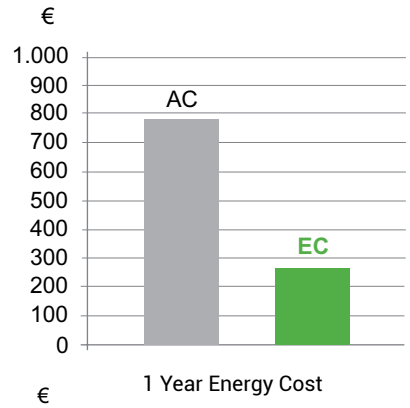
How much money can I save using an EC Air curtain?

Example:

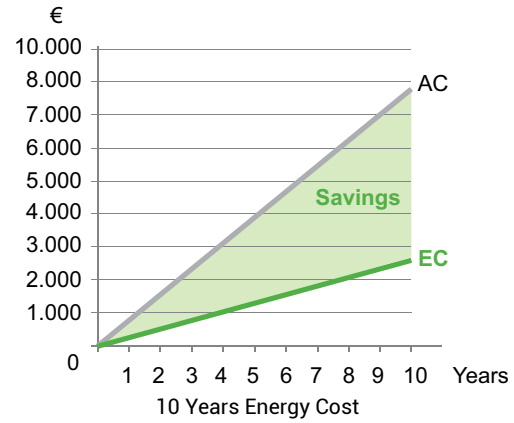
Door dimension: 2 m width by 3,8 m height
Running time: 12 hours/day, 6 days/week, 50 weeks (~ 1 year)
Energy cost: 0,17 €/kW/h (EU-27 average cost)
Selected unit: AC: G 2000, EC: ECG 2000

	AC Air Curtain		EC Air Curtain		Difference
Total Fans Power	1,284	kW	0,450	kW	- 0,834 kW
Air Curtain Price	2.500	€/unit	3.127	€/unit	+ 627 €
Energy Consumption	4.622	kW/h	1.620	kW/h	- 3.002 kW/h
Energy Cost	786	€	275	€	- 510 €
CO2 Emissions	1.849	kg	648	kg	- 1.201 kg

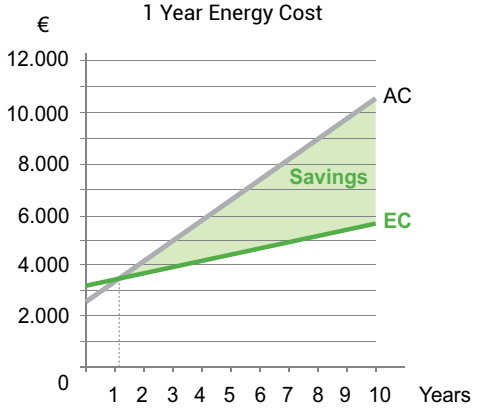
Result:
The payback periode is 1 year and 3 months. In addition, 65% of energy and CO2 emissions to the environment are saved every year.



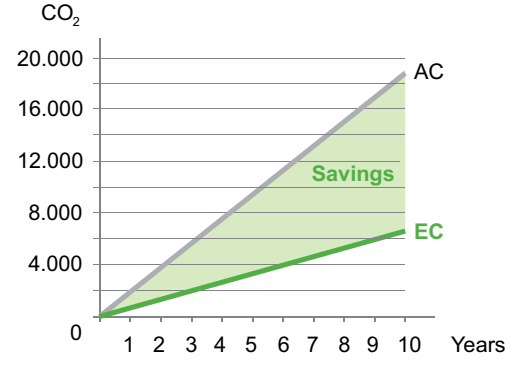
1 Year Energy Cost



10 Years Energy Cost



Payback Periode



10 Years CO2 Emissions

CONTROL AND REGULATION

Basic regulation

Two ranges of control panels, both designed for easy and quick Plug & Play RJ45 cable connection.
The digital communication between the control panel and air curtain is a very reliable connection without information losses even at long distances. All control panels can be turned ON/OFF externally and have internal memory (if the power supply is cut off, the unit goes back to the selected state).

2-speed range controls

Infrared remote control included. Suitable for air curtains: Optima, Recessed Optima, Aris, Top.

CA-2AO-IR
Only air, 2 fan speed

CW-2EV-IR
Water heated, 2 fan speed and electro-valve switch

CE-2AO-IR
Electrical heated, 2 fan speed, 2 heating stages

5-speed range controls

Infrared remote control included (except CS-5DX-NE). Suitable for air curtains: Windbox MG, Recessed Windbox, Dam, Recessed Dam, Invisair, Smart, Zen, Rund, Rotowind, Kool, Recessed Compact, Windbox BB, Recessed Windbox BB, Invisair BB, Rotowind BB, Kool BB, Windbox LXL, Maxwell (optional).

CA-5AW-IR
Only air, 5 fan speed

CW-5AW-IR
Water heated, 5 fan speed and electro-valve switch

CE-5AW-IR
Electrical heated, 5 fan speed and 3 heating stages

CS-5DX-NE
Heat pump heated, 5 fan speed, door contact, cooling, defrost and fan input signals.

Optional controls

Hand Auto

Water heated: with manual and automatic operating. Auxiliary functions: anti-freezing sensor, door contact (with delay) and room thermostat.

Unheated: with manual and automatic operating, without auxiliary functions.

CH-2HO-NE

CH-5HW-NE

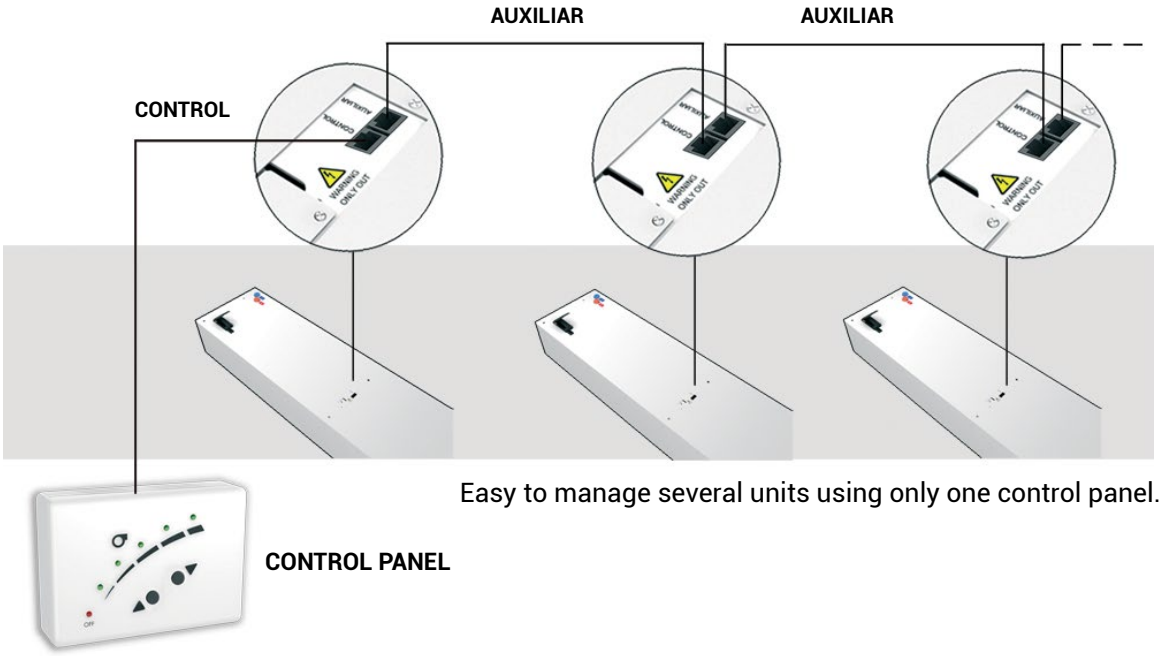
Interface

Allows the connection to a centralized management system like BMS and also to standard controllers.

IN-NE-II

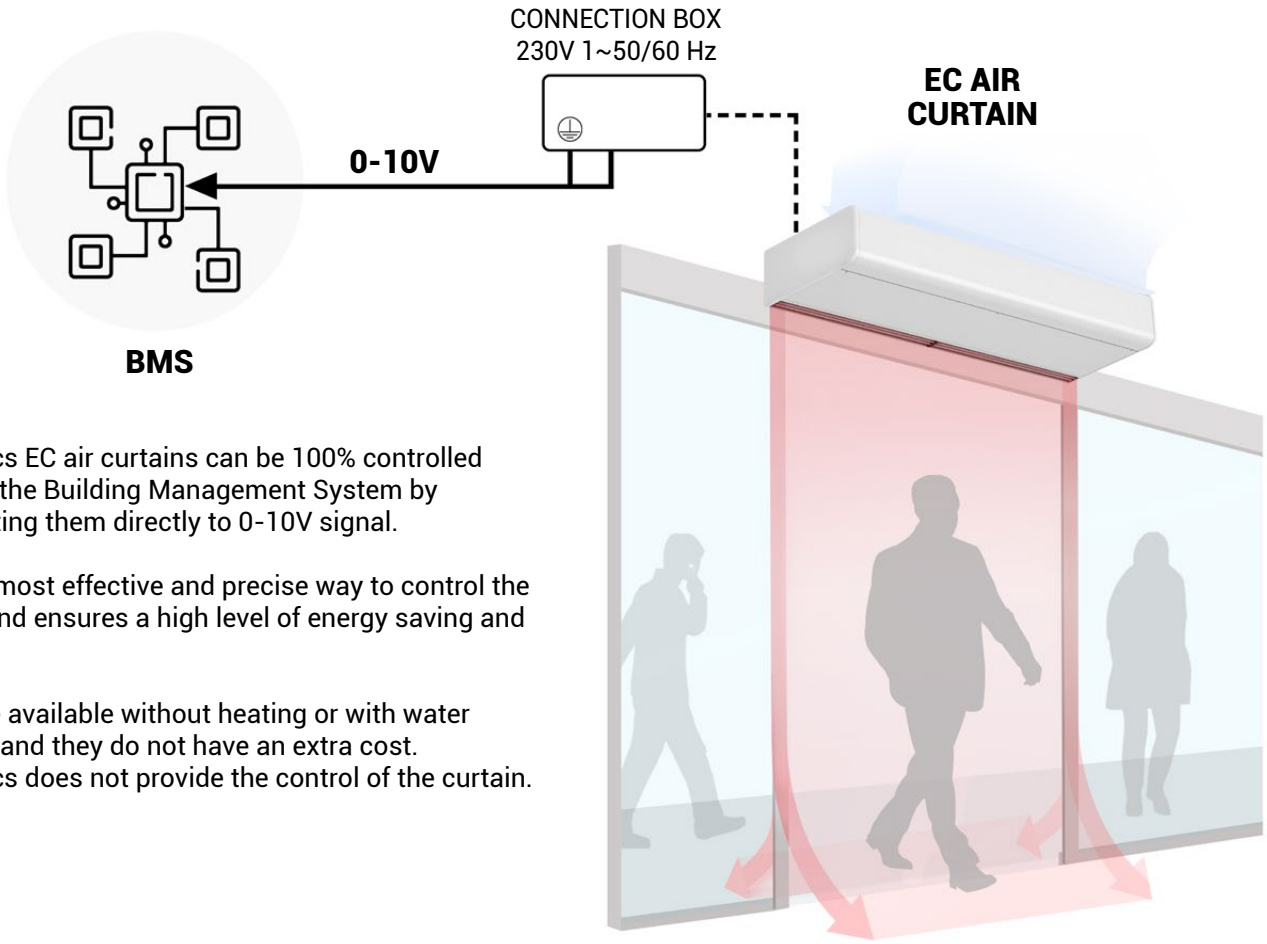
CONTROL AND REGULATION

Multiple air curtains connection



Easy to manage several units using only one control panel.

0-10V connection for BMS



Airtècnics EC air curtains can be 100% controlled through the Building Management System by connecting them directly to 0-10V signal.

It is the most effective and precise way to control the device and ensures a high level of energy saving and comfort.

They are available without heating or with water heating, and they do not have an extra cost.
Airtècnics does not provide the control of the curtain.

CONTROL AND REGULATION

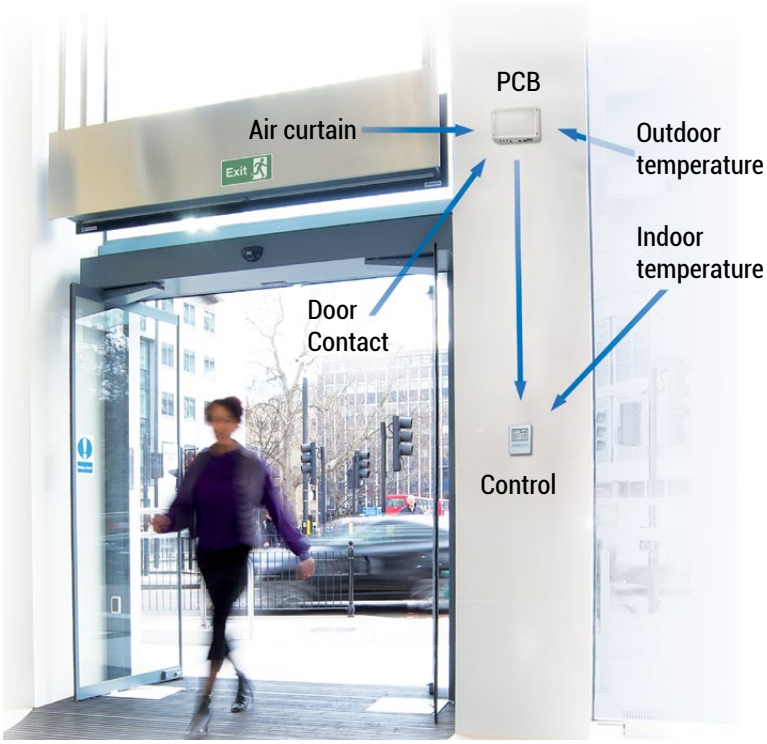
Advanced regulation

INTELLIGENT
PROACTIVE
REGULATION

Air curtains regulation is essential to substantially reduce energy consumption.

Our latest technology control system allows to manage the operation of the air curtains automatically according to each situation, maintaining indoors comfort with maximum energy savings.

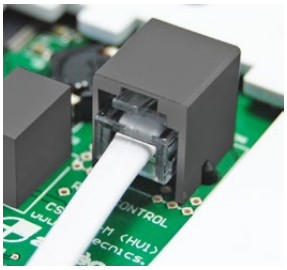
Clever control automatically adapts the functioning of the air curtain to the entrance conditions, mantaining comfort while saving energy. It optimizes the ventilation and heating to make an efficient barrier for an optimal climate separation.



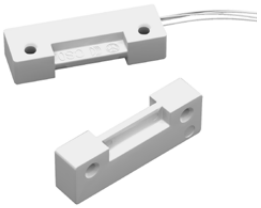
Basic and advanced modes

Connectivity Modbus BMS and control via APP

Easy **Plug & Play** installation



Regulation with **valves:** thermostatic, solenoid, modulating



Ambient thermostat and external temperature **sensors**

Special Requirements

Airtècnics can produce units with special requirements under request.

• External alarm signals: unit working, heating ON, airflow switch, dirty grille, electronic overheating signal, fans overheating thermal 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.

CONTROL AND REGULATION

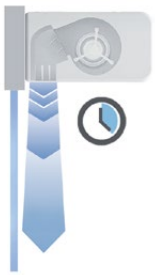
Clever Control features:

USER FRIENDLY DESIGN

Multilanguage and intuitive icons for easy understanding.
Main state screen: ventilation speed, heating, temperatures, door state, working mode and program, filter state, day/hour, timer, etc. 3 different menu configurations depending on who is managing the equipment.

FILTER ALARM

Indicates when filter needs replacing/cleaning. 2 options: by "Timer"of functioning hours or by "Pressure Sensor" switch.

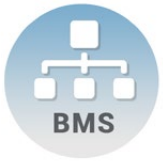


ADAPTIVE DOOR DELAY

Air curtain delay: when the door closes, the air curtain remains working at door open conditions for certain time to be ready if it opens again.
Door opening delay: the door remains closed until the air curtain achieve the nominal speed.

TIMER

To turn ON or OFF automatically the unit depending on each different day of the week or predefined groups of days. User can select between Day or Night modes with 2 different Set temperatures.



COMPATIBLE

BMS communication with Modbus RTU protocol or using digital and analogical IN/OUT to control or monitor directly the unit.

ENERGY SAVING

3 grades of comfort and energy efficiency.

FULLY PROGRAMMABLE

All parameters can be configured at Basic or Advanced menu.
Lots of extra functions to fulfill all clients applications. Customizable device names for easy identification.

MULTI-EQUIPMENT

Clever works with different types of units: air curtains, fan heater, AHU, etc. Once programmed, PCB can work by itself without any controller.

- Clever Control is factory adjusted according to the device/s and client requirements.
- Once installed, the system checks automatically all connected units and its temperature sensors.
- Different integrated programs and functions for particular applications.
- Multiple programs depending on installed temperature sensors: inside, outside and air jet.
- Able to regulate by itself the ventilation and heating depending on: door state, temperature sensors, selected working mode, grade of energy saving, program and other parameters.
- Alarms: general, filter state, anti freezing, overheating, fans overheating, airflow, fire, external, heating locked, etc.
- Security control buttons lock option by code.
- Modulating valve for water heated (includes 24VDC power supply).
- Multiple functions: temporized door, excessive temperature of water return, cooling mode and others.

GALLERY

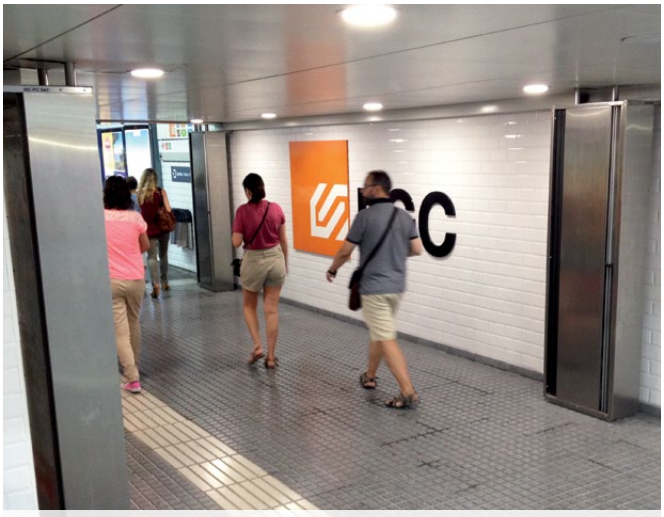
Minibel
Ideal for small openings (service windows)

Optima
Installation in a shop entrance

Windbox M,G
Classic standard design

Smart
Elegant and discreet design with hidden inlet grille

Dam
With smooth customizable front panel in a fashion store

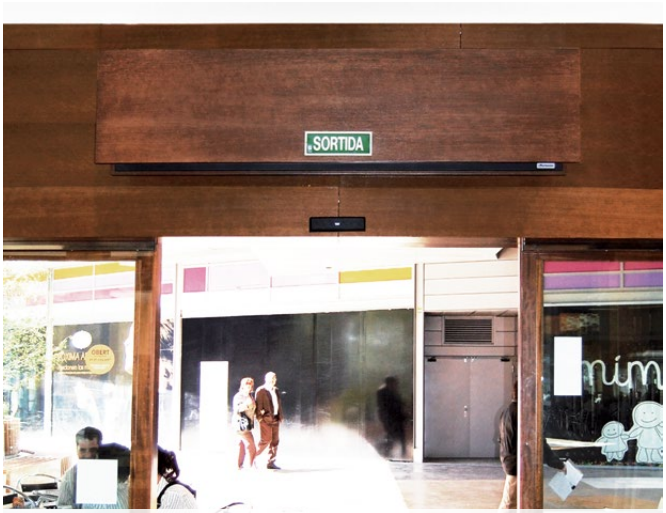


Dam Twin
System with two curtains for adverse situations

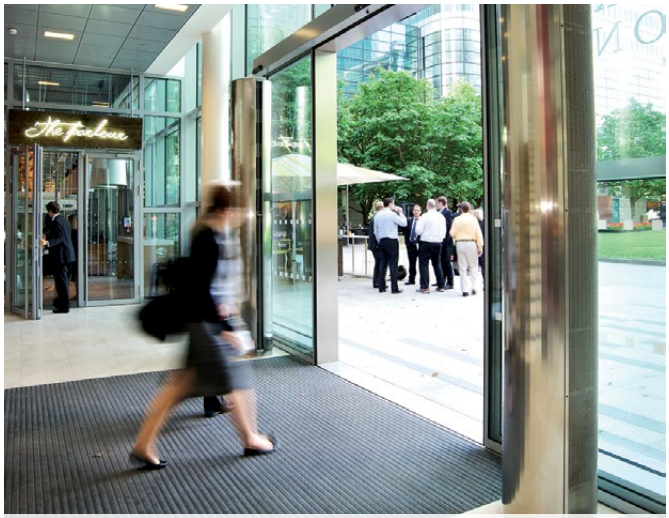
GALLERY

Zen
Elegant with aluminium panels in an offices building

Zen
Exclusive design with custom finishes



Zen
With wood panels in a chain restaurant



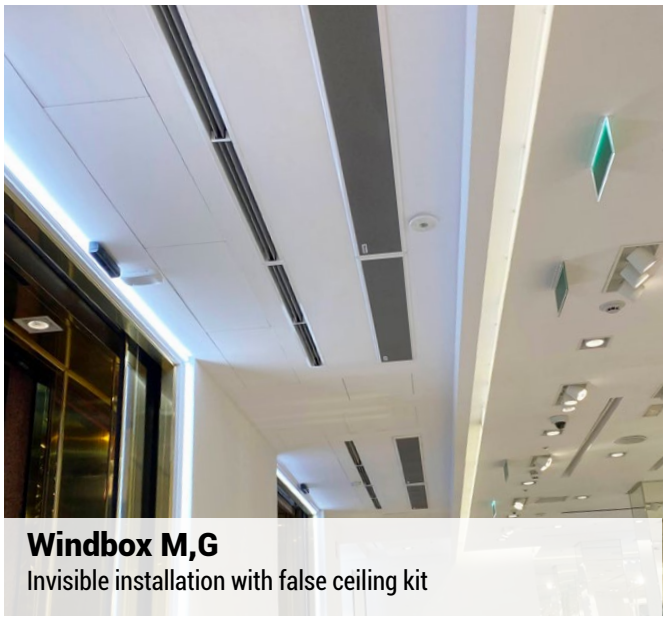
Rund
Rounded, vertical and in stainless steel design

Rund
Tailor made-linear installation for large openings

Rund
Installation with special goalpost supports

GALLERY

Recessed Windbox
Integration in false ceiling in a shopping center



Windbox M,G
Invisible installation with false ceiling kit

Recessed Optima
Designed to install in false ceiling, custom finishes

Recessed Dam
Model with exposed inlet grille

Invisair
Fully invisible horizontal installation integrated in a bulkhead

Invisair
Fully invisible vertical installation integrated in a bulkhead

GALLERY

Rotowind
Tailor-made design for all types of revolving doors

Rotowind
Tailor-made design for all types of revolving doors

Rotowind
Special solution for glass revolving doors

Windbox L,XL
Multiple installation of industrial curtains in a factory

Windbox L,XL
Multiple modular towers on a large hangar door

Maxwell
Jet with Coanda effect for industrial doors

TOP REFERENCES

Production for world renowned brands

See all references

See all installation photos

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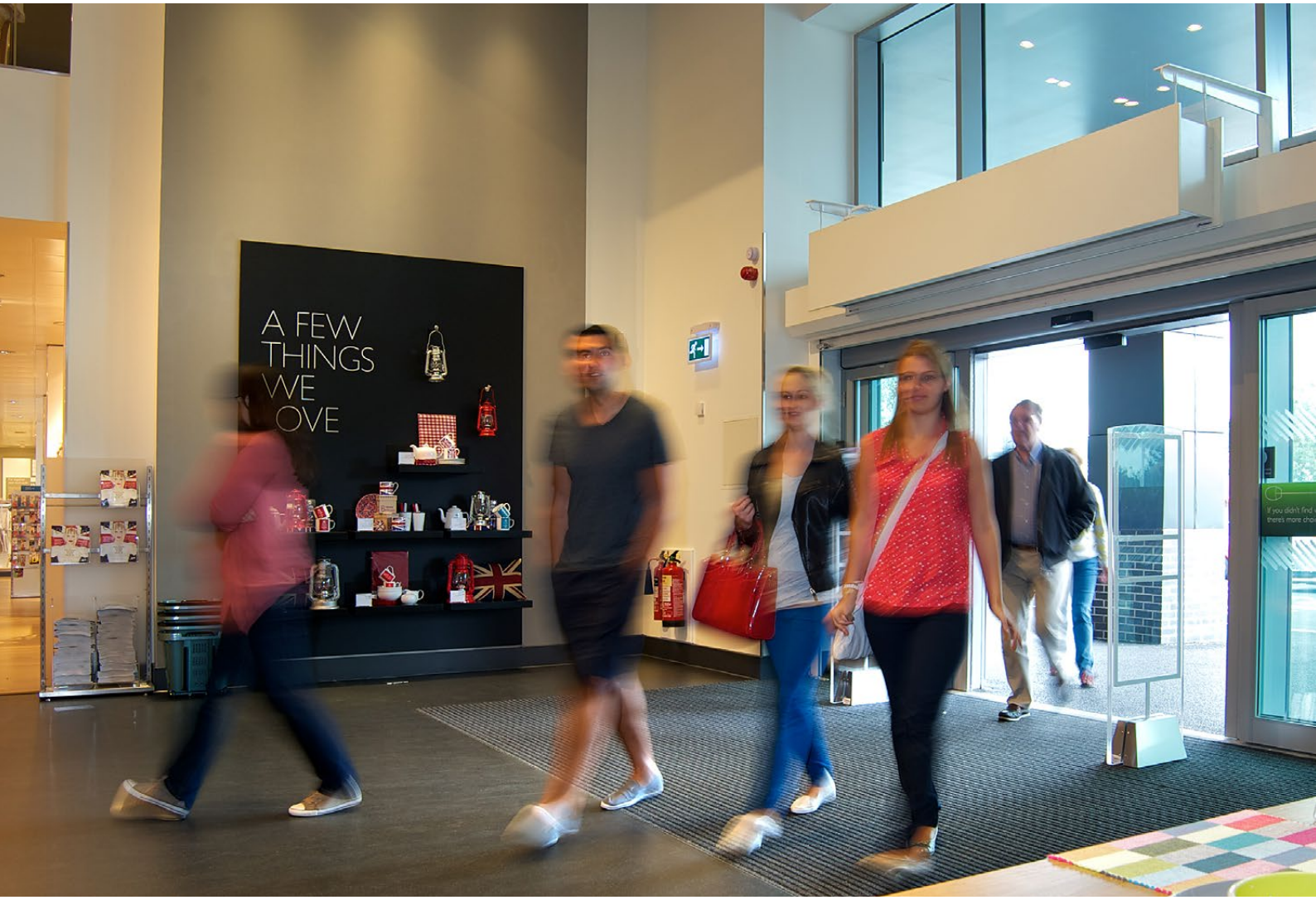

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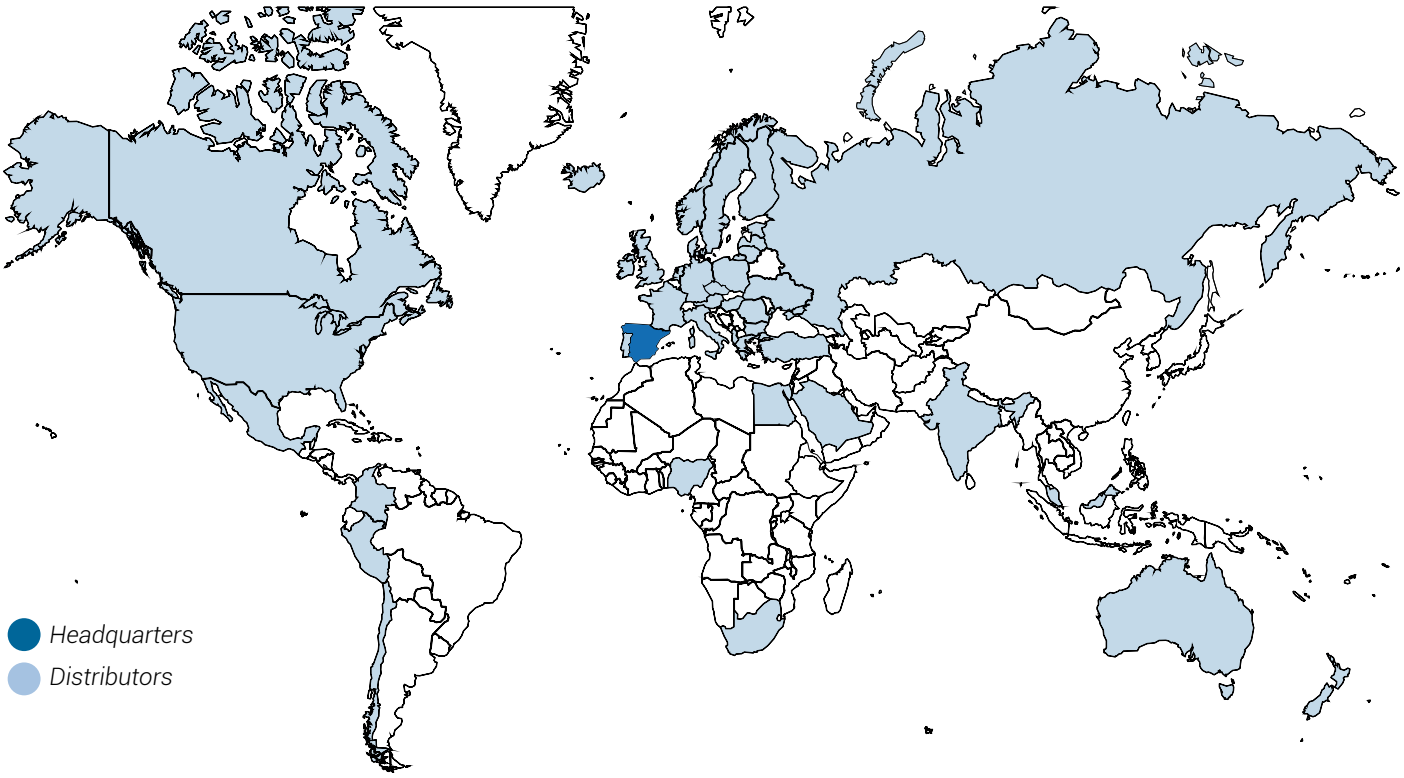

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