



AIR CURTAINS FOR CLIMATE SEPARATION

Catalogue





INTRODUCTION

Airtècnics	3
Benefits of air curtains	4
Air curtains range	5
Air curtains applications	6

AIR CURTAINS MODELS

Selection criteria	7
Air curtains models	8
Power coefficients	97
EC Technology	98



CONTROL AND REGULATION

Basic regulation	99
Connectivity	100
Advanced regulation	101

REFERENCES AND DISTRIBUTORS

Gallery	103
Top References	107
Distributors	110

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 headquarters in Künzelsau (Germany)



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



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



Hygienic and healthy atmosphere

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



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)

PROTECTS FROM:

Dust and pollution

Smoke and bad odors

Pests and insects

Air drafts

Hot or cold air



MAINTAINS:

Heating

Cooling

Clean atmosphere

Comfort and hygiene

Safety



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.

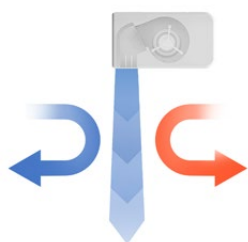
Selection app: Airtècnics has developed exclusive software to help you select the right air curtain according to the specific characteristics and location of the installation.

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 selection criteria



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 losses 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.

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 choose the right air curtain for you.

MODEL	FANS TYPE	HEIGHT RANGE	HEATING			COMMON APPLICATIONS
			A	E	P	
Windbox Recessed Windbox Dam Recessed Dam Invisair ** Smart Zen ** Rund ** Rotowind ** Kool Recessed Compact	M G ECG	2,5 - 3,5 m 3 - 4 m 3 - 4,2 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.
			(*)			
			(*)			

(A) Unheated, (E) Electric Heating, (P) Water Heating

* Exception. Kool and Recessed Compact are unheated air curtains (only air)

** Not available in M version

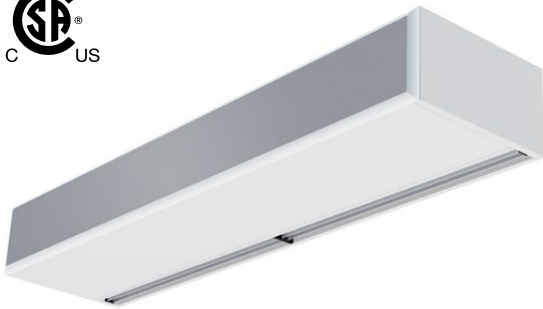
AIR CURTAINS MODELS



Model	Page	Model	Page
 WINDBOX High pressure standard air curtains for commercial doors	<u>08-13</u>	 ROTOWIND High pressure tailor made air curtains for revolving doors	<u>48-52</u>
 RECESSED WINDBOX High pressure recessed air curtains for commercial doors	<u>14-17</u>	 KOOL High pressure standard air curtains for commercial and industrial doors	<u>53-55</u>
 DAM High pressure standard air curtains for commercial doors	<u>18-23</u>	 RECESSED COMPACT High pressure recessed air curtains for commercial and industrial doors	<u>56-58</u>
 RECESSED DAM High pressure recessed air curtains for commercial doors	<u>24-27</u>		
 INVISAIR High pressure recessed air curtains for commercial doors	<u>28-32</u>		
 SMART High pressure standard air curtains for commercial doors	<u>33-37</u>		
 ZEN High pressure decorative air curtains for commercial doors	<u>38-42</u>		
 RUND High pressure decorative air curtains for commercial doors	<u>43-47</u>		



Technical Features



RAL 9016 standard



Other colors on request



Stainless steel



Range
Up to 4,2 m



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



Casing
Galvanised Steel [*]



Airflow / Length
1500 - 7600 m3/h
1 m to 3 m



Heating capacity
E : 2 - 30,5 kW
P : 7,54 - 40,35 kW



Grille type
Micro-perforated with prefilter function



Fans
Centrifugal 5-speed



Control
Plug&Play manual regulator + IR remote control



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

[*] 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. Casing painted in RAL 9016. Other colors are available on request.

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

Includes Plug&Play control with 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

❄ UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power	Ventilation current	Noise level	Weight
	m3/h	208V-1ph~60Hz kW	208V-1ph~60Hz A	(5 m) dB(A)	
M 1000 A	1850	0,221	1,07	54	31
M 1500 A	2775	0,332	1,61	55	46
M 2000 A	3700	0,442	2,14	56	58
M 2500 A	4625	0,553	2,68	57	72
M 3000 A	5550	0,663	3,21	58	86
G 1000 A	2325	0,332	1,61	56	43
G 1500 A	3100	0,442	2,14	57	51
G 2000 A	4650	0,663	3,21	58	80
G 2500 A	5425	0,774	3,75	59	84
G 3000 A	3200	0,884	4,28	60	95
ECG 1000 A	2700	0,319	2,79	60	43
ECG 1500 A	3600	0,425	3,72	61	51
ECG 2000 A	5400	0,638	5,58	62	80
ECG 2500 A	6300	0,744	6,51	63	84
ECG 3000 A	7200	0,851	7,44	64	95



❄️ UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
M 1000 A	2000	0,263	1,10	55	31
M 1500 A	3000	0,395	1,65	56	46
M 2000 A	4000	0,526	2,20	57	58
M 2500 A	5000	0,658	2,75	58	72
M 3000 A	6000	0,789	3,30	59	86
G 1000 A	2475	0,395	1,65	57	43
G 1500 A	3300	0,526	2,20	58	51
G 2000 A	4950	0,789	3,30	59	80
G 2500 A	5775	0,921	3,85	60	84
G 3000 A	6600	1,052	4,40	61	95
ECG 1000 A	2850	0,381	2,94	61	43
ECG 1500 A	3800	0,508	3,92	62	51
ECG 2000 A	5700	0,762	5,88	63	80
ECG 2500 A	6650	0,889	6,86	64	84
ECG 3000 A	7600	1,016	7,84	65	95

⚡ ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph ~60Hz	Ventilation current 208V-1ph ~60Hz	Noise level (5 m)	Weight
		kW	kW	kW	kW	kW	A	dB(A)	kg
M 1000 E	1800	2/4/6	2/4,5/6,5	2,5/5/7,5	3,5/3,5/7	0,221	1,07	54	37
M 1500 E	2700	3/6/9	3/6,5/9,5	3,5/7/10,5	5/5/10	0,332	1,61	55	57
M 2000 E	3600	4/8/12	4/8,5/12,5	4,5/9/13,5	6,5/6,5/13	0,442	2,14	56	75
M 2500 E	4500	5/8/13	5/10/15	5,5/11/16,5	8/8/16	0,553	2,68	57	94
M 3000 E	5400	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,663	3,21	58	112
G 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	52
G 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	63
G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	100
G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	106
G 3000 E	6000	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,884	4,28	60	120
ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	52
ECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	63
ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	100
ECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	106
ECG 3000 E	7200	6,5/8/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,851	7,44	64	120

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

For 208V~3ph~60Hz air curtains there is only needed to connect three-phase power supply.

For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).



ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph ~60Hz	Ventilation current 240V-1ph ~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
M 1000 E	1950	2,5/5/7,5	3,3/6,7/10	3,7/7,3/11	3,5/7/10,5	0,263	1,10	55	37
M 1500 E	2925	3/6,5/9,5	4,8/9,7/14,5	5,2/10,3/15,5	5/10/15	0,395	1,65	56	57
M 2000 E	3900	4/8/12	6,5/13/19,5	7/14/21	6,5/13/19,5	0,526	2,20	57	75
M 2500 E	4875	5/8/13	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,658	2,75	58	94
M 3000 E	5850	6,5/8/14,5	9,3/18,7/28	10,3/20,3/30,5	9,5/19/28,5	0,789	3,30	59	112
G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	52
G 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	63
G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	100
G 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	106
G 3000 E	6000	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,052	4,40	61	120
ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	52
ECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	63
ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	100
ECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	106
ECG 3000 E	7400	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,016	7,84	65	120

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

WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
M 1000 P	1500	8,61	790	7,63	3880	7,54	1070	0,282	1,19	55	35
M 1500 P	2250	13,37	680	12,19	5730	12,69	3940	0,422	1,78	56	53
M 2000 P	3000	19,37	1720	16,25	4240	16,5	1800	0,562	2,37	57	69
M 2500 P	3750	25,25	3400	20,27	3410	21,51	3540	0,703	2,98	58	86
M 3000 P	4500	31,16	5880	25,24	5990	26,33	4970	0,844	3,57	59	103
G 1000 P	1875	9,89	1010	8,83	5040	8,86	1430	0,422	1,78	55	35
G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,562	2,37	56	53
G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,844	3,57	57	69
G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,985	4,16	58	86
G 3000 P	5000	33,33	6620	27,1	6800	28,44	5690	1,125	4,76	59	103
ECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	55	35
ECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	56	53
ECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	57	69
ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	58	86
ECG 3000 P	6800	40,35	9300	33,16	9720	35,4	8400	0,854	7,63	59	103

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.

(*) Voltage 208-1ph~60Hz



WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
M 1000 P	1800	9,64	970	8,6	4810	8,6	1360	0,335	1,22	56	35
M 1500 P	2700	15,01	830	13,76	7100	14,48	4970	0,502	1,83	57	53
M 2000 P	3600	21,73	2110	18,36	5270	18,84	2290	0,669	2,44	58	69
M 2500 P	4500	28,33	4170	22,91	4230	24,56	4480	0,837	3,06	59	86
M 3000 P	5400	34,98	7220	28,52	7440	30,07	6280	1,004	3,67	60	103
G 1000 P	2250	11,04	1230	9,92	6190	10,06	1800	0,502	1,83	56	35
G 1500 P	3000	16,02	940	14,74	8020	15,6	5680	0,669	2,44	57	53
G 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	1,004	3,67	58	69
G 2500 P	5250	31,17	4940	25,35	5070	27,4	5450	1,172	4,28	59	86
G 3000 P	6000	37,36	8110	30,57	8420	32,42	7180	1,339	4,89	60	103
ECG 1000 P	2625	11,89	1400	11,27	7110	11,5	2090	0,381	2,94	61	35
ECG 1500 P	3500	17,29	1070	16,77	9240	17,86	6620	0,508	3,92	62	53
ECG 2000 P	5250	26,86	3080	24,14	7850	25,24	3530	0,762	5,88	63	69
ECG 2500 P	6125	33,63	5650	28,84	5840	31,38	6360	0,889	6,86	64	86
ECG 3000 P	7000	40,34	9290	34,81	9710	37,16	8400	1,016	7,84	65	103

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.

(*) Voltage 240-1ph~60Hz

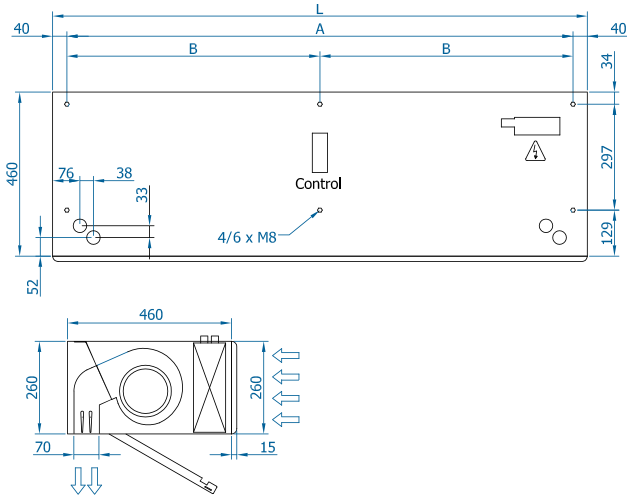


Selection program

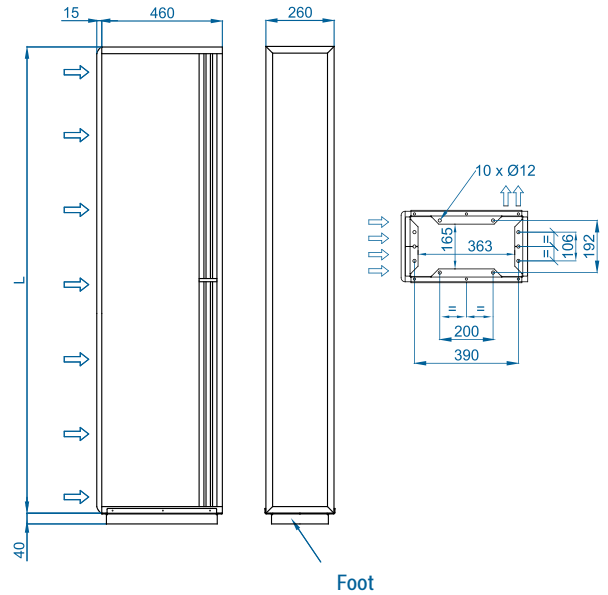


Dimensions

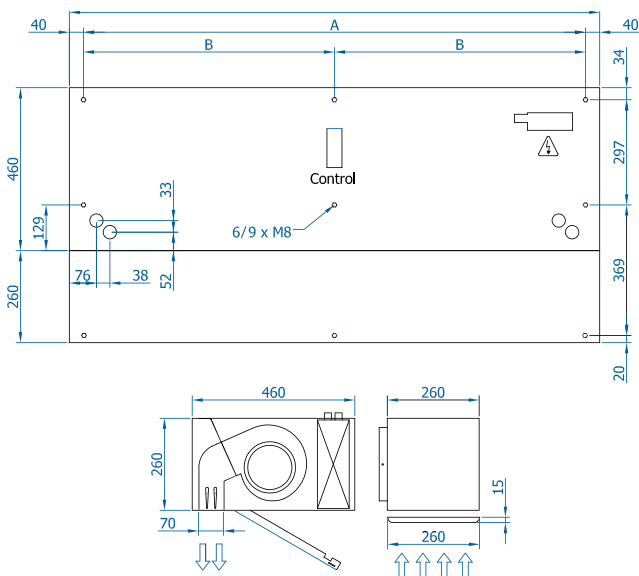
Horizontal installation



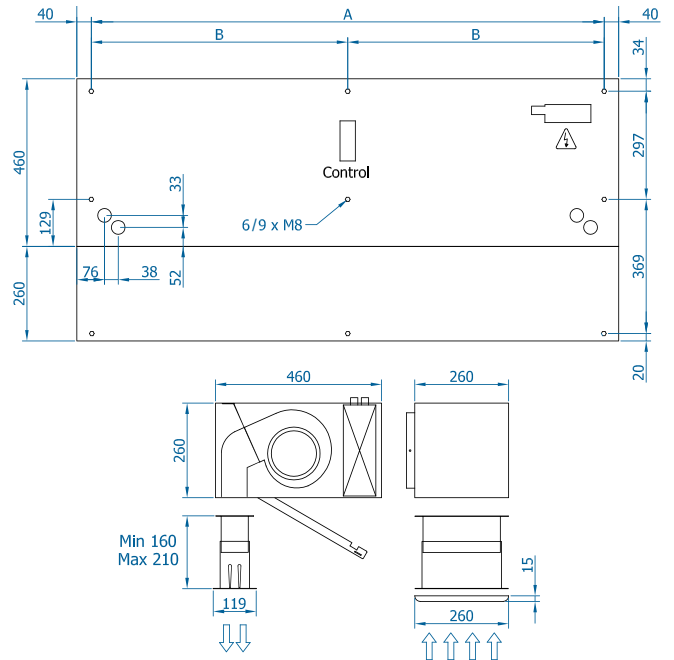
Vertical installation



Inside ceiling surface mounting



False ceiling invisible mounting



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

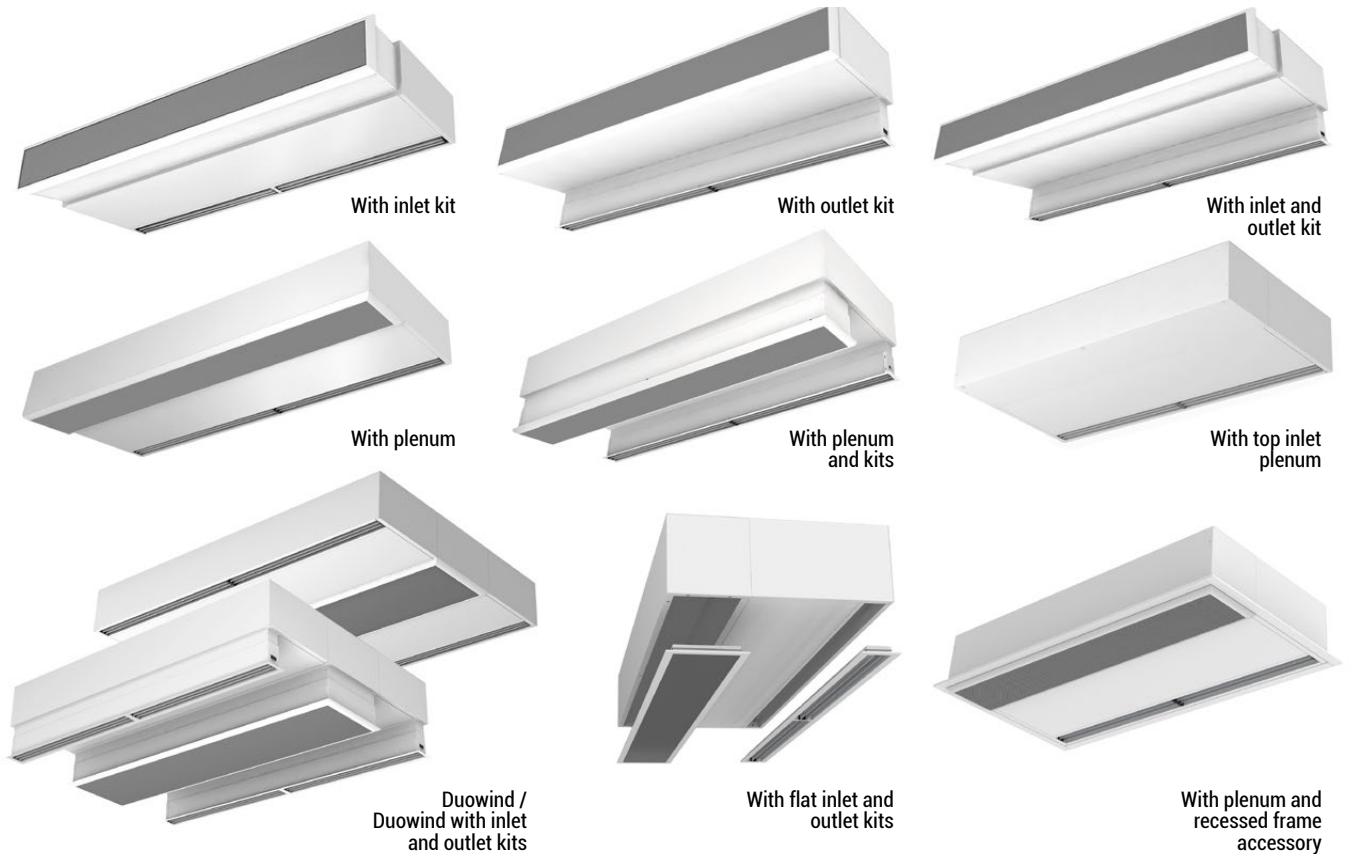
Customizable dimensions on request.

CAD drawings, installation manuals
and other documentation



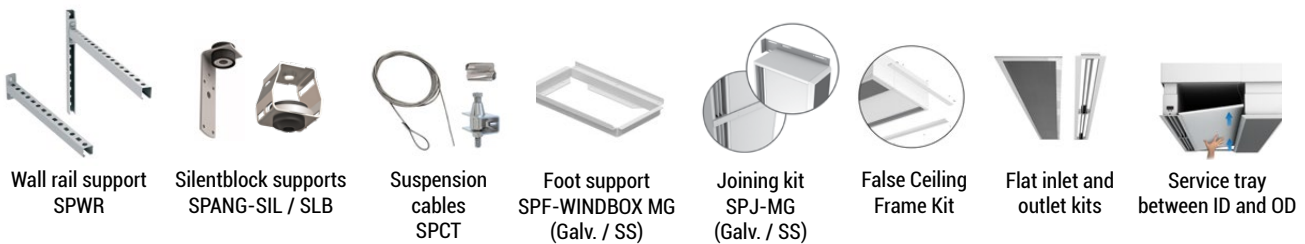


Installation Configurations



Optional accessories

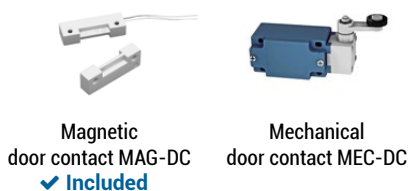
Supports and installation



Control



Sensors





Technical Features



RAL 9016
standard



Other colors
on request



Range
Up to 4,2 m



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



Casing
Galvanised Steel



Airflow / Length
1450 - 6650 m3/h
1 m to 2,5 m



Heating capacity
E : 2 - 30,5 kW
P : 7,35 - 34,23 kW



Grille type
**Micro-perforated
with prefilter function**



Fans
Centrifugal
5-speed



Control
**Plug&Play manual regulator
+ IR remote control**



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

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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

❄️ UNHEATED 208V-1ph~60Hz

Model	Airflow m3/h	Ventilation power 208V-1ph~60Hz kW	Ventilation current 208V-1ph~60Hz A	Noise level (5 m) dB(A)	Weight kg
RM 1000 A	1850	0,221	1,07	54	57
RM 1500 A	2775	0,332	1,61	55	85
RM 2000 A	3700	0,442	2,14	56	109
RM 2500 A	4625	0,553	2,68	57	137
RG 1000 A	2325	0,332	1,61	56	61
RG 1500 A	3100	0,442	2,14	57	90
RG 2000 A	4650	0,663	3,21	58	118
RG 2500 A	5425	0,774	3,75	59	145
RECG 1000 A	2700	0,319	2,79	60	61
RECG 1500 A	3600	0,425	3,72	61	90
RECG 2000 A	5400	0,638	5,58	62	118
RECG 2500 A	6300	0,744	6,51	63	145



UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
RM 1000 A	2000	0,263	1,10	55	57
RM 1500 A	3000	0,395	1,65	56	85
RM 2000 A	4000	0,526	2,20	57	109
RM 2500 A	5000	0,658	2,75	58	137
RG 1000 A	2475	0,395	1,65	57	61
RG 1500 A	3300	0,526	2,20	58	90
RG 2000 A	4950	0,789	3,30	59	118
RG 2500 A	5775	0,921	3,85	60	145
RECG 1000 A	2850	0,381	2,94	61	61
RECG 1500 A	3800	0,508	3,92	62	90
RECG 2000 A	5700	0,762	5,88	63	118
RECG 2500 A	6650	0,889	6,86	64	145

ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight
		kW	kW	kW	kW	kW	A	dB(A)	kg
RM 1000 E	1800	2/4/6	2/4,5/6,5	2,5/5/7,5	3,5/3,5/7	0,221	1,07	54	65
RM 1500 E	2700	3/6/9	3/6,5/9,5	3,5/7/10,5	5/5/10	0,332	1,61	55	98
RM 2000 E	3600	4/8/12	4/8,5/12,5	4,5/9/13,5	6,5/6,5/13	0,442	2,14	56	130
RM 2500 E	4500	5/8/13	5/10/15	5,5/11/16,5	8/8/16	0,553	2,68	57	162
RG 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	70
RG 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	104
RG 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	140
RG 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	172
RECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	70
RECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	104
RECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	140
RECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	172

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

For 208V~3ph~60Hz air curtains there is only needed to connect three-phase power supply.


For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
		kW	kW	kW	kW	kW	A	dB(A)	kg
RM 1000 E	1950	2,5/5/7,5	3,3/6,7/10	3,7/7,3/11	3,5/7/10,5	0,263	1,10	55	65
RM 1500 E	2925	3/6,5/9,5	4,8/9,7/14,5	5,2/10,3/15,5	5/10/15	0,395	1,65	56	98
RM 2000 E	3900	4/8/12	6,5/13/19,5	7/14/21	6,5/13/19,5	0,526	2,20	57	130
RM 2500 E	4875	5/8/13	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,658	2,75	58	162
RG 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	70
RG 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	104
RG 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	140
RG 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	172
RECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	70
RECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	104
RECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	140
RECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	172

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



 WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
RM 1000 P	1450	8,42	760	7,46	3730	7,35	1030	0,221	1,07	55	63
RM 1500 P	2175	13,09	650	11,91	5510	12,38	3770	0,332	1,61	56	93
RM 2000 P	2900	18,96	1660	15,89	4070	16,09	1720	0,442	2,14	57	122
RM 2500 P	3625	24,71	3270	19,8	3270	20,98	3390	0,553	2,68	58	153
RG 1000 P	1875	9,89	1010	8,83	5040	8,86	1430	0,332	1,61	56	67
RG 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,442	2,14	57	98
RG 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	58	131
RG 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	59	163
RECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	60	67
RECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	61	98
RECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	62	131
RECG 2500 P	5950	33,64	5640	27,48	5840	29,9	6370	0,747	6,67	63	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.

(*) Voltage 208-1ph~60Hz

 WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
RM 1000 P	1650	9,14	880	8,12	4340	8,08	1220	0,263	1,10	56	63
RM 1500 P	2475	14,21	760	12,99	6420	13,6	4450	0,395	1,65	57	93
RM 2000 P	3300	20,58	1920	17,33	4750	17,69	2040	0,526	2,20	58	122
RM 2500 P	4125	26,83	3790	21,62	3820	23,07	4010	0,658	2,75	59	153
RG 1000 P	2250	11,04	1230	9,92	6190	10,06	1800	0,395	1,65	57	67
RG 1500 P	3000	16,02	940	14,74	8020	15,6	5680	0,526	2,20	58	98
RG 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	59	131
RG 2500 P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	60	163
RECG 1000 P	2625	12,09	1450	10,92	7340	11,17	2160	0,381	2,94	61	67
RECG 1500 P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	62	98
RECG 2000 P	5250	27,34	3180	23,42	8110	24,53	3660	0,762	5,88	63	131
RECG 2500 P	6125	34,23	5830	27,99	6040	30,51	6600	0,889	6,86	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.

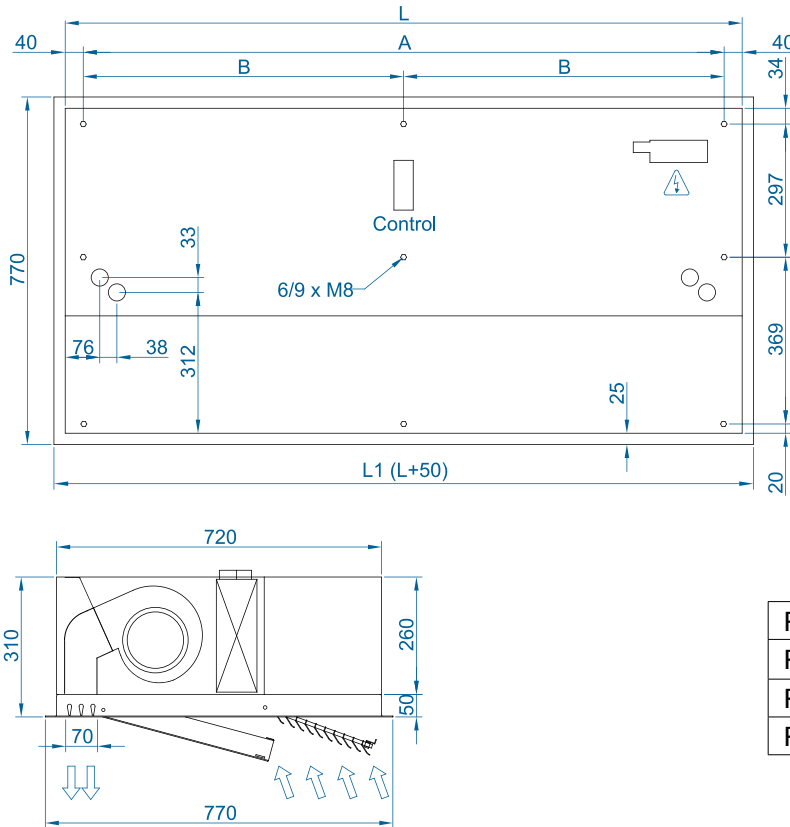
(*) Voltage 240-1ph~60Hz



Selection program



Dimensions



CAD drawings, installation manuals
and other documentation



Optional accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Suspension cables
SPCT

Control



IR Control
✓ Included



Basic Control
✓ Included



RJ45 Cable
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II

Sensors



Magnetic
door contact MAG-DC
✓ Included



Mechanical
door contact MEC-DC



Technical Features



Range
Up to 4,2 m



Airflow / Length
1450 - 7600 m3/h
1 m to 3 m



Fans
Centrifugal
5-speed



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



Heating capacity
E : 2 - 30,5 kW
P : 7,35 - 41,07 kW



Control
Plug&Play manual regulator
+ IR remote control



Casing
Galvanised Steel [*]



Grille type
Micro-perforated
with prefilter function



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

RAL 9016
standard



Other colors
on request



Stainless
steel



[*] 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. They do not need maintenance. Casing painted in RAL 9016. Other colors 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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

✿ UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power	Ventilation current	Noise level	Weight
	m3/h	208V-1ph~60Hz kW	208V-1h~60Hz A	(5 m) dB(A)	
DAM M 1000 A	1850	0,221	1,07	54	38
DAM M 1500 A	2775	0,332	1,61	55	56
DAM M 2000 A	3700	0,442	2,14	56	70
DAM M 2500 A	4625	0,553	2,68	57	76
DAM M 3000 A	5550	0,663	3,21	58	88
DAM G 1000 A	2325	0,332	1,61	56	42
DAM G 1500 A	3100	0,442	2,14	57	61
DAM G 2000 A	4650	0,663	3,21	58	80
DAM G 2500 A	5425	0,774	3,75	59	86
DAM G 3000 A	6200	0,884	4,28	60	98
DAM ECG 1000 A	2700	0,319	2,79	60	42
DAM ECG 1500 A	3600	0,425	3,72	61	61
DAM ECG 2000 A	5400	0,638	5,58	62	80
DAM ECG 2500 A	6300	0,744	6,51	63	86
DAM ECG 3000 A	7200	0,851	7,44	64	98



❄️ UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
DAM M 1000 A	2000	0,263	1,10	55	38
DAM M 1500 A	3000	0,395	1,65	56	56
DAM M 2000 A	4000	0,526	2,20	57	70
DAM M 2500 A	5000	0,658	2,75	58	76
DAM M 3000 A	6000	0,789	3,30	59	88
DAM G 1000 A	2475	0,395	1,65	57	42
DAM G 1500 A	3300	0,526	2,20	58	61
DAM G 2000 A	4950	0,789	3,30	59	80
DAM G 2500 A	5775	0,921	3,85	60	86
DAM G 3000 A	6600	1,052	4,40	61	98
DAM ECG 1000 A	2850	0,381	2,94	61	42
DAM ECG 1500 A	3850	0,508	3,92	62	61
DAM ECG 2000 A	5700	0,762	5,88	63	80
DAM ECG 2500 A	6650	0,889	6,86	64	86
DAM ECG 3000 A	7600	1,016	7,84	65	98

⚡ ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
DAM M 1000 E	1800	2/4/6	2/4,5/6,5	2,5/5/7,5	3,5/3,5/7	0,221	1,07	54	45
DAM M 1500 E	2700	3/6/9	3/6,5/9,5	3,5/7/10,5	5/5/10	0,332	1,61	55	68
DAM M 2000 E	3600	4/8/12	4/8,5/12,5	4,5/9/13,5	6,5/6,5/13	0,442	2,14	56	88
DAM M 2500 E	4500	5/8/13	5/10/15	5,5/11/16,5	8/8/16	0,553	2,68	57	96
DAM M 3000 E	5400	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,663	3,21	58	111
DAM G 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	50
DAM G 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	74
DAM G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	98
DAM G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	106
DAM G 3000 E	6000	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,884	4,28	60	121
DAM ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	50
DAM ECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	74
DAM ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	98
DAM ECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	106
DAM ECG 3000 E	7200	6,5/8/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,851	7,44	64	121

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

For 208V~3ph~60Hz air curtains there is only needed to connect three-phase power supply.
For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).



ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m) dB(A)	Weight kg
		kW	kW	kW	kW	kW	A		
DAM M 1000 E	1950	2,5/5/7,5	3,3/6,7/10	3,7/7,3/11	3,5/7/10,5	0,263	1,10	55	45
DAM M 1500 E	2925	3/6,5/9,5	4,8/9,7/14,5	5,2/10,3/15,5	5/10/15	0,395	1,65	56	68
DAM M 2000 E	3900	4/8/12	6,5/13/19,5	7/14/21	6,5/13/19,5	0,526	2,20	57	88
DAM M 2500 E	4875	5/8/13	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,658	2,75	58	96
DAM M 3000 E	5850	6,5/8/14,5	9,3/18,7/28	10,3/20,3/30,5	9,5/19/28,5	0,789	3,30	59	111
DAM G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	50
DAM G 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	74
DAM G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	98
DAM G 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	106
DAM G 3000 E	6400	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,052	4,40	61	121
DAM ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	50
DAM ECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	74
DAM ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	98
DAM ECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	106
DAM ECG 3000 E	7400	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,016	7,84	65	121

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

WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
DAM M 1000 P	1450	8,42	760	7,46	3730	7,35	1030	0,221	1,07	55	43
DAM M 1500 P	2175	13,09	650	11,91	5510	12,38	3770	0,332	1,61	56	64
DAM M 2000 P	2900	18,96	1660	15,88	4070	16,09	1720	0,442	2,14	57	81
DAM M 2500 P	3625	24,71	3270	19,8	3270	20,98	3390	0,553	2,68	58	89
DAM M 3000 P	4350	30,49	5660	24,66	5750	25,68	4750	0,663	3,21	59	103
DAM G 1000 P	1875	9,89	1010	8,83	5040	8,86	1430	0,332	1,61	56	48
DAM G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,442	2,14	57	70
DAM G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	58	91
DAM G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	59	97
DAM G 3000 P	5000	33,33	6620	27,1	6800	28,44	5690	0,884	4,28	60	111
DAM ECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	60	48
DAM ECG 1500 P	3400	17,02	6630	26,87	3080	22,99	7850	0,427	3,81	61	70
DAM ECG 2000 P	5100	24,05	3530	33,64	5650	27,48	5840	0,640	5,72	62	91
DAM ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	63	97
DAM ECG 3000 P	6800	40,35	9300	33,16	9720	35,40	8400	0,854	7,63	64	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.

(*) Voltage 208-1ph~60Hz



WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
		kW	Pa	kW	Pa	kW	Pa				
DAM M 1000P	1650	9,14	880	8,12	4340	8,08	1220	0,263	1,10	56	43
DAM M 1500P	2475	14,21	760	12,99	6420	13,60	4450	0,395	1,65	57	64
DAM M 2000P	3300	20,58	1920	17,33	4750	17,69	2040	0,526	2,20	58	81
DAM M 2500P	4125	26,83	3790	21,62	3820	23,07	4010	0,658	2,75	59	89
DAM M 3000P	4950	33,12	6550	26,92	6720	28,23	5602	0,789	3,30	60	103
DAM G 1000P	2250	11,04	1230	9,92	6190	10,06	1800	0,395	1,65	57	48
DAM G 1500P	3000	16,02	940	14,74	8020	15,60	5680	0,526	2,20	58	70
DAM G 2000P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	59	91
DAM G 2500P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	60	97
DAM G 3000P	6000	37,36	8110	30,58	8420	32,42	7190	1,052	4,40	61	111
DAM ECG 1000P	2625	12,09	1450	10,92	7340	11,17	2160	0,381	2,94	61	48
DAM ECG 1500P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	62	70
DAM ECG 2000P	5250	27,34	3180	23,42	8110	24,53	3660	0,762	5,88	63	91
DAM ECG 2500P	6125	34,23	5830	27,99	6040	30,51	6600	0,889	6,86	64	97
DAM ECG 3000P	7000	41,07	9590	33,79	10040	36,12	8710	1,016	7,84	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.

(*) Voltage 240-1ph~60Hz

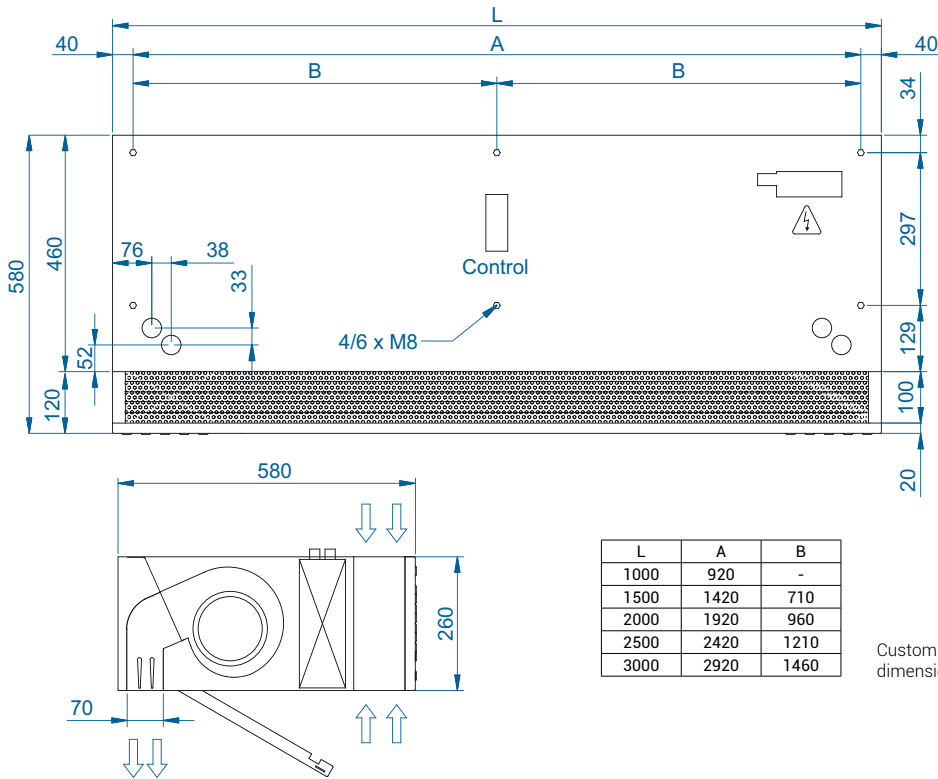


Selection program

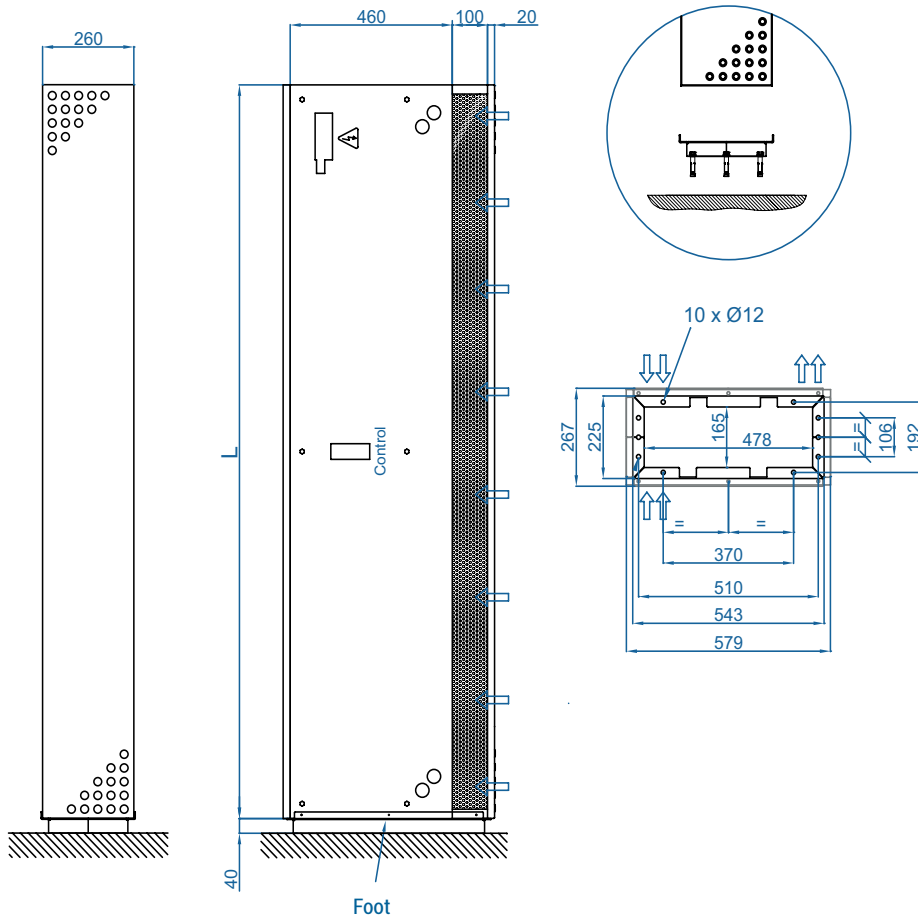


Dimensions

Horizontal installation



Vertical installation



CAD drawings, installation manuals and other documentation

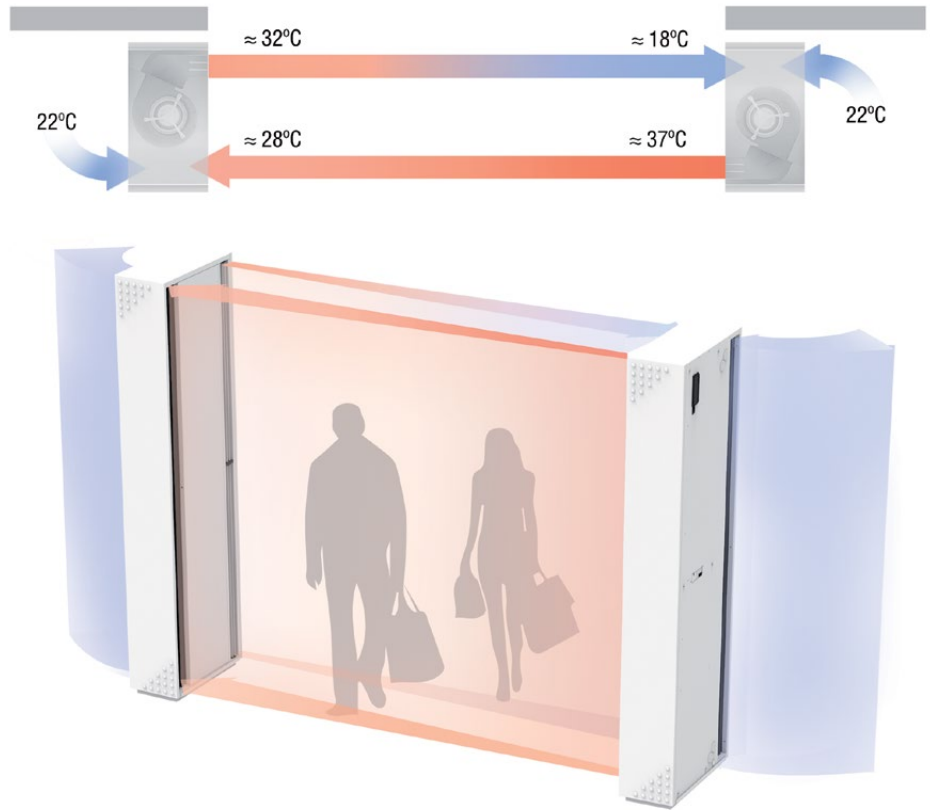


Dam Twin application

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 support
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



RJ45 Cable
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II

Sensors



Magnetic
door contact MAG-DC
✓ Included



Mechanical
door contact MEC-DC



Technical Features



RAL 9016
standard



Other colors
on request



Range
Up to 4,2 m



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



Casing
Galvanised Steel



Airflow / Length
1450 - 6650 m3/h
1 m to 2,5 m



Heating capacity
E : 2 - 30,5 kW
P : 7,35 - 34,23 kW



Grille type
**Micro-perforated
with prefilter function**



Fans
Centrifugal
5-speed



Control
**Plug&Play manual regulator
+ IR remote control**



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

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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

❄️ UNHEATED 208V-1ph~60Hz

Model	Airflow m3/h	Ventilation power 208V-1ph~60Hz kW	Ventilation current 208V-1ph~60Hz A	Noise level (5 m) dB(A)	Weight kg
RDAM M 1000 A	1850	0,221	1,07	54	45
RDAM M 1500 A	2775	0,332	1,61	55	66
RDAM M 2000 A	3700	0,442	2,14	56	84
RDAM M 2500 A	4625	0,553	2,68	57	93
RDAM G 1000 A	2325	0,332	1,61	56	49
RDAM G 1500 A	3100	0,442	2,14	57	71
RDAM G 2000 A	4650	0,663	3,21	58	94
RDAM G 2500 A	5425	0,774	3,75	59	103
RDAM ECG 1000 A	2700	0,319	2,79	60	49
RDAM ECG 1500 A	3600	0,425	3,72	61	71
RDAM ECG 2000 A	5400	0,638	5,58	62	94
RDAM ECG 2500 A	6300	0,744	6,51	63	103



 UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
RDAM M 1000 A	2000	0,263	1,10	55	45
RDAM M 1500 A	3000	0,395	1,65	56	66
RDAM M 2000 A	4000	0,526	2,20	57	84
RDAM M 2500 A	5000	0,658	2,75	58	93
RDAM G 1000 A	2475	0,395	1,65	57	49
RDAM G 1500 A	3300	0,526	2,20	58	71
RDAM G 2000 A	4950	0,789	3,30	59	94
RDAM G 2500 A	5775	0,921	3,85	60	103
RDAM ECG 1000 A	2850	0,381	2,94	61	49
RDAM ECG 1500 A	3800	0,508	3,92	62	71
RDAM ECG 2000 A	5700	0,762	5,88	63	94
RDAM ECG 2500 A	6650	0,889	6,86	64	103

 ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight
		kW	kW	kW	kW	kW	A	dB(A)	kg
RDAM M 1000 E	1800	2/4/6	2/4,5/6,5	2,5/5/7,5	3,5/3,5/7	0,221	1,07	54	52
RDAM M 1500 E	2700	3/6/9	3/6,5/9,5	3,5/7/10,5	5/5/10	0,332	1,61	55	78
RDAM M 2000 E	3600	4/8/12	4/8,5/12,5	4,5/9/13,5	6,5/6,5/13	0,442	2,14	56	102
RDAM M 2500 E	4500	5/8/13	5/10/15	5,5/11/16,5	8/8/16	0,553	2,68	57	113
RDAM G 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	57
RDAM G 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	84
RDAM G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	112
RDAM G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	123
RDAM ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	57
RDAM ECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	84
RDAM ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	112
RDAM ECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	123

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

For 208V~3ph~60Hz air Curtains there is only needed to connect three-phase power supply.


For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

 ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
		kW	kW	kW	kW	kW	A	dB(A)	kg
RDAM M 1000 E	1950	2,5/5/7,5	3,3/6,7/10	3,7/7,3/11	3,5/7/10,5	0,263	1,10	55	52
RDAM M 1500 E	2950	3/6,5/9,5	4,8/9,7/14,5	5,2/10,3/15,5	5/10/15	0,395	1,65	56	78
RDAM M 2000 E	3900	4/8/12	6,5/13/19,5	7/14/21	6,5/13/19,5	0,526	2,20	57	102
RDAM M 2500 E	4875	5/8/13	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,658	2,75	58	113
RDAM G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	57
RDAM G 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	84
RDAM G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	112
RDAM G 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	123
RDAM ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	57
RDAM ECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	84
RDAM ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	112
RDAM ECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	123

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



 WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		RDAM M 1000 P	1450	8,42	760	7,46	3730				
RDAM M 1500 P	2175	13,09	650	11,91	5510	12,38	3770	0,332	1,61	56	74
RDAM M 2000 P	2900	18,96	1660	15,88	4070	16,09	1720	0,442	2,14	57	95
RDAM M 2500 P	3625	24,71	3270	19,8	3270	20,98	3390	0,553	2,68	58	106
RDAM G 1000 P	1875	9,89	1010	8,83	5040	8,86	1430	0,332	1,61	56	55
RDAM G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,442	2,14	57	80
RDAM G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	58	105
RDAM G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	59	114
RDAM ECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	60	55
RDAM ECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	61	80
RDAM ECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	62	105
RDAM ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	63	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.

(*) Voltage 208-1ph~60Hz

 WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		RDAM M 1000 P	1650	9,14	880	8,12	4340				
RDAM M 1500 P	2475	14,21	760	12,99	6420	13,60	4450	0,395	1,65	57	74
RDAM M 2000 P	3300	20,58	1920	17,33	4750	17,69	2040	0,526	2,20	58	95
RDAM M 2500 P	4125	26,83	3790	21,62	3820	23,07	4010	0,658	2,75	59	106
RDAM G 1000 P	2250	11,04	1230	9,92	6190	10,06	1800	0,395	1,65	57	55
RDAM G 1500 P	3000	16,02	940	14,74	8020	15,60	5680	0,526	2,20	58	80
RDAM G 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	59	105
RDAM G 2500 P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	60	114
RDAM ECG 1000 P	2625	12,09	1450	10,92	7340	11,17	2160	0,381	2,94	61	55
RDAM ECG 1500 P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	62	80
RDAM ECG 2000 P	5250	27,34	3180	23,42	8110	24,23	3660	0,762	5,88	63	105
RDAM ECG 2500 P	6125	34,23	5830	27,99	6040	30,51	6600	0,889	6,86	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.

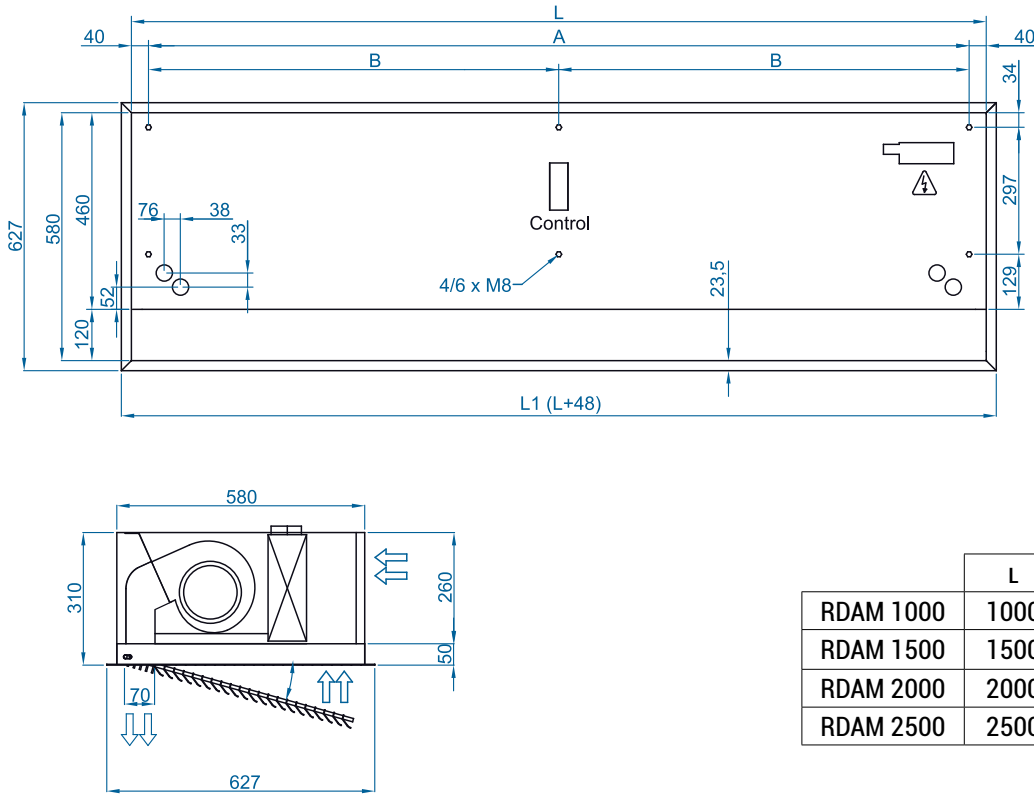
(*) Voltage 240-1ph~60Hz



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

CAD drawings, installation manuals
and other documentation



Optional accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Suspension cables
SPCT

Control



IR Control
✓ Included



Basic Control
✓ Included



RJ45 Cable
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II

Sensors



Magnetic
door contact MAG-DC
✓ Included



Mechanical
door contact MEC-DC



Technical Features



RAL 9016 standard



Other colors on request



Stainless steel



Range
Up to 4,2 m



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



Casing
Galvanised Steel [*]



Airflow / Length
2500 - 6650 m3/h
1,5 m to 2,5 m



Heating capacity
E : 3,5 - 30,5 kW
P : 13,08 - 34,23 kW



Grille type
Micro-perforated with prefilter function



Fans
Centrifugal 5-speed



Control
Plug&Play manual regulator + IR remote control



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

[*] 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. Casing painted in RAL 9016. Other colors are available on request.

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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

 UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	
IG 1500 A	3100	0,442	2,14	57	60
IG 2000 A	4650	0,663	3,21	58	78
IG 2500 A	5425	0,774	3,75	59	83
IECG 1500 A	3600	0,425	3,72	61	60
IECG 2000 A	5400	0,638	5,58	62	78
IECG 2500 A	6300	0,744	6,51	63	83



✪ UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	
IG 1500 A	3300	0,526	2,20	58	60
IG 2000 A	4950	0,789	3,30	59	78
IG 2500 A	5775	0,921	3,85	60	83
IECG 1500 A	3800	0,508	3,92	62	60
IECG 2000 A	5700	0,762	5,88	63	78
IECG 2500 A	6650	0,889	6,86	64	83

⚡ ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
IG 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	73
IG 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	96
IG 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	103
IECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	73
IECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	96
IECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	103

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

For 208V~3ph~60Hz air Curtains there is only needed to connect three-phase power supply.

For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

⚡ ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
IG 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	73
IG 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	96
IG 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	103
IECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	73
IECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	96
IECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	103

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



 WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		IG 1500 P	2500	14,3	770	13,08	6490				
IG 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	58	89
IG 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	59	94
IECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	61	69
IECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	62	89
IECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	63	94

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.

(*) Voltage 208-1ph~60Hz

 WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		IG 1500 P	3000	16,02	940	14,74	8020				
IG 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	59	89
IG 2500 P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	60	94
IECG 1500 P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	62	69
IECG 2000 P	5250	27,34	3180	23,42	8110	24,53	3660	0,762	5,88	63	89
IECG 2500 P	6125	34,23	5830	27,99	6040	30,51	6600	0,889	6,86	64	94

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.

(*) Voltage 240-1ph~60Hz

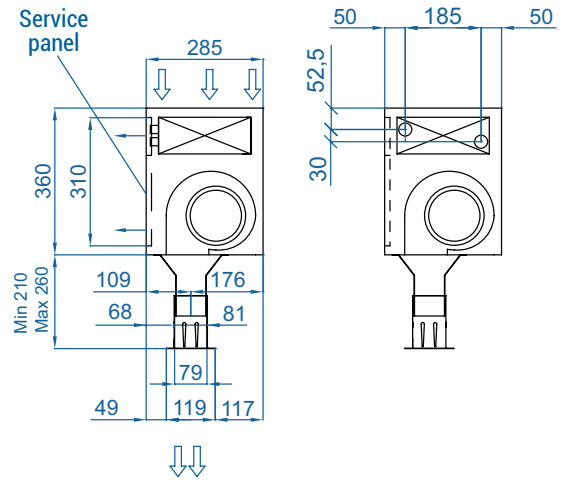
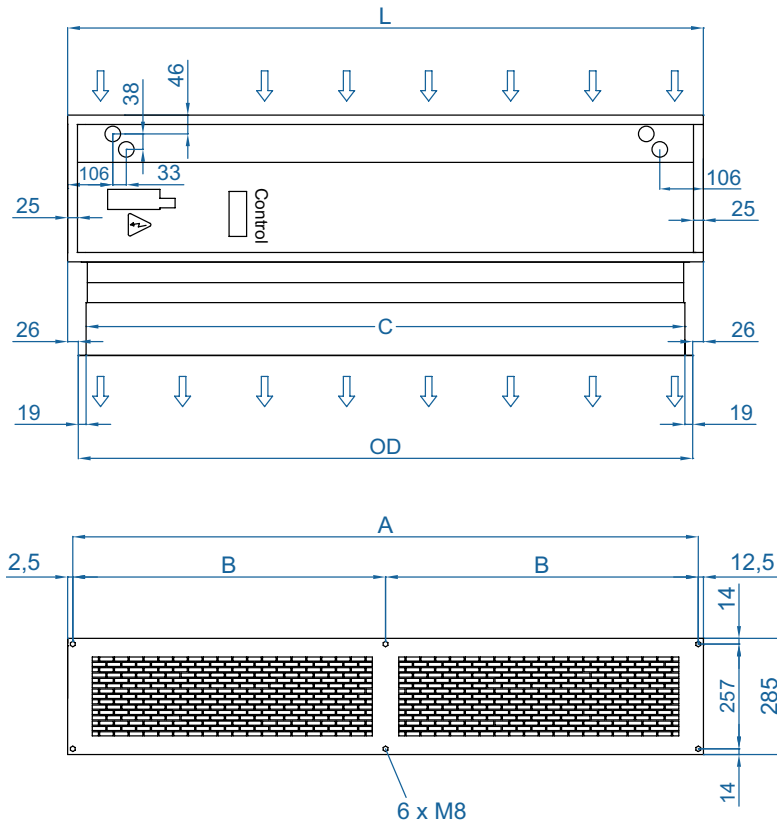


Selection program



Dimensions

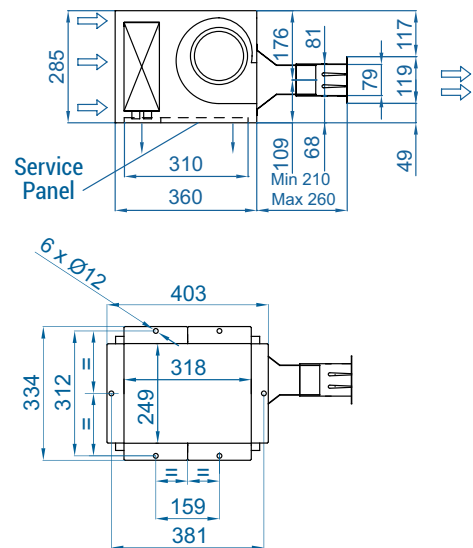
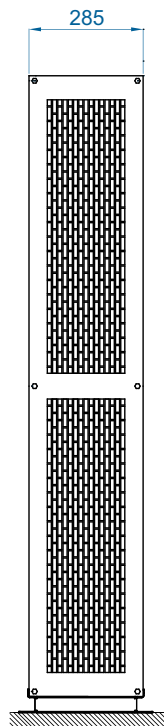
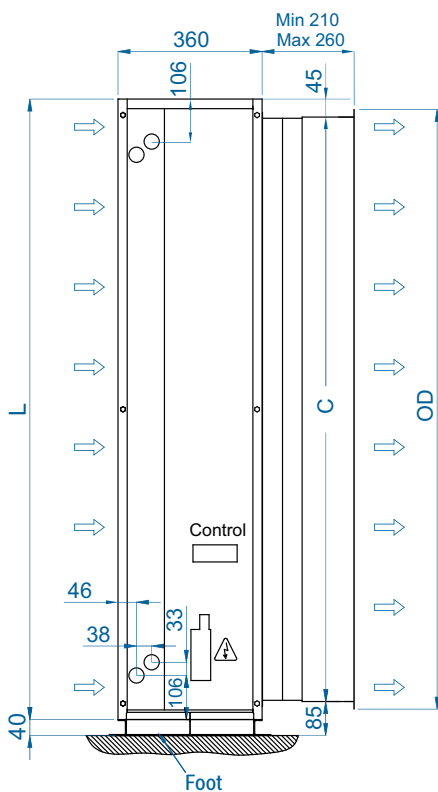
Horizontal installation



Model	L	A	B	C	OD
1500	1550	1525	762,5	1461	1498
2000	2055	2030	1015	1961	1998
2500	2555	2530	1265	2461	2498

Customizable dimensions on request

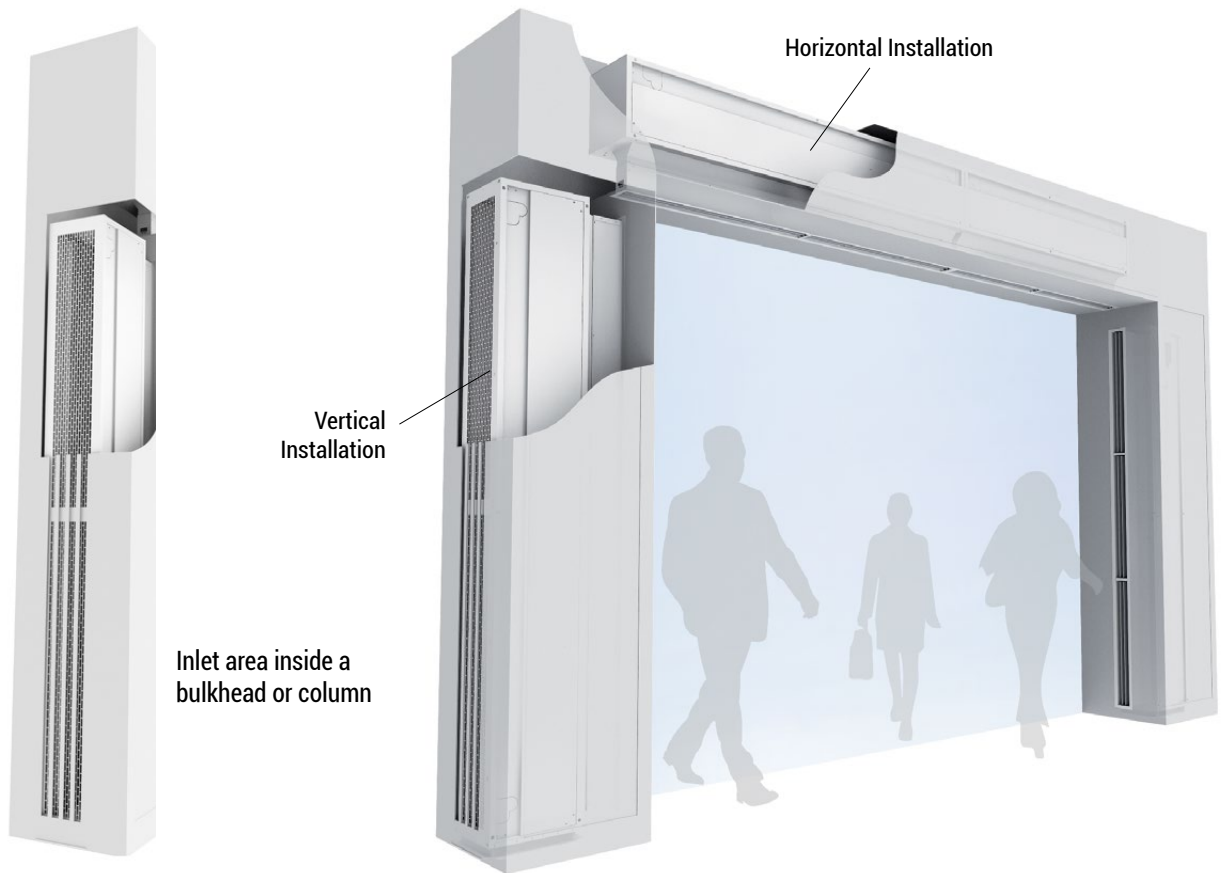
Vertical installation



CAD drawings, installation manuals
and other documentation



Installation configurations



Optional accessories

Supports and installation



Wall rail support
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



RJ45 Cable
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II

Sensors



Magnetic
door contact MAG-DC
✓ Included



Mechanical
door contact MEC-DC



Technical Features



RAL 9016
standard



Other colors
on request



Range
Up to 4,2 m



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



Casing
Galvanised Steel [*]



Airflow / Length
1450 - 7600 m3/h
1 m to 3 m



Heating capacity
E : 2 - 30,5 kW
P : 7,35 - 41,07 kW



Grille type
**Micro-perforated
with prefilter function**



Fans
Centrifugal
5-speed



Control
Plug&Play manual regulator
+ IR remote control



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

[*] 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. Casing painted in RAL 9016. Other colors are available on request.

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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

❄️ UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power	Ventilation current	Noise level	Weight
	m3/h	208V-1ph~60Hz kW	208V-1ph~60Hz A	(5 m) dB(A)	
SMART M 1000 A	1850	0,221	1,07	52	34
SMART M 1500 A	2775	0,332	1,61	53	50
SMART M 2000 A	3700	0,442	2,14	54	62
SMART M 2500 A	4625	0,553	2,68	55	66
SMART M 3000 A	5550	0,663	3,21	56	76
SMART G 1000 A	2325	0,332	1,61	54	38
SMART G 1500 A	3100	0,442	2,14	55	55
SMART G 2000 A	4650	0,663	3,21	56	72
SMART G 2500 A	5425	0,774	3,75	57	76
SMART G 3000 A	6200	0,884	4,28	58	86
SMART ECG 1000 A	2700	0,319	2,79	58	38
SMART ECG 1500 A	3600	0,425	3,72	59	55
SMART ECG 2000 A	5400	0,638	5,58	60	72
SMART ECG 2500 A	6300	0,744	6,51	61	76
SMART ECG 3000 A	7200	0,851	7,44	62	86



❄️ UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	
SMART M 1000 A	2000	0,263	1,10	53	34
SMART M 1500 A	3000	0,395	1,65	54	50
SMART M 2000 A	4000	0,526	2,20	55	62
SMART M 2500 A	5000	0,658	2,75	56	66
SMART M 3000 A	6000	0,789	3,30	57	76
SMART G 1000 A	2475	0,395	1,65	55	38
SMART G 1500 A	3300	0,526	2,20	56	55
SMART G 2000 A	4950	0,789	3,30	57	72
SMART G 2500 A	5775	0,921	3,85	58	76
SMART G 3000 A	6600	1,052	4,40	59	86
SMART ECG 1000 A	2850	0,381	2,94	59	38
SMART ECG 1500 A	3800	0,508	3,92	60	55
SMART ECG 2000 A	5700	0,762	5,88	61	72
SMART ECG 2500 A	6650	0,889	6,86	62	76
SMART ECG 3000 A	7600	1,016	7,84	63	86

⚡ ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V- 1ph~60Hz	Ventilation current 208V- 1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
SMART M 1000 E	1800	2/4/6	2/4,5/6,5	2,5/5/7,5	3,5/3,5/7	0,221	1,07	52	41
SMART M 1500 E	2700	3/6/9	3/6,5/9,5	3,5/7/10,5	5/5/10	0,332	1,61	53	62
SMART M 2000 E	3600	4/8/12	4/8,5/12,5	4,5/9/13,5	6,5/6,5/13	0,442	2,14	54	80
SMART M 2500 E	4500	5/8/13	5/10/15	5,5/11/16,5	8/8/16	0,553	2,68	55	86
SMART M 3000 E	5850	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,663	3,21	56	99
SMART G 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	54	46
SMART G 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	55	68
SMART G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	56	90
SMART G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	57	96
SMART G 3000 E	6000	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,884	4,28	58	109
SMART ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	58	46
SMART ECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	59	68
SMART ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	60	90
SMART ECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	61	96
SMART ECG 3000 E	7200	6,5/8/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,851	7,44	62	109

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

For 208V~3ph~60Hz air Curtains there is only needed to connect three-phase power supply.

For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).



ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
SMART M 1000 E	1950	2,5/5/7,5	3,3/6,7/10	3,7/7,3/11	3,5/7/10,5	0,263	1,10	53	41
SMART M 1500 E	2925	3/6,5/9,5	4,8/9,7/14,5	5,2/10,3/15,5	5/10/15	0,395	1,65	54	62
SMART M 2000 E	3900	4/8/12	6,5/13/19,5	7/14/21	6,5/13/19,5	0,526	2,20	55	80
SMART M 2500 E	4875	5/8/13	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,658	2,75	56	86
SMART M 3000 E	5850	6,5/8/14,5	9,3/18,7/28	10,3/20,3/30,5	9,5/19/28,5	0,789	3,30	57	99
SMART G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	55	46
SMART G 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	56	68
SMART G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	57	90
SMART G 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	58	96
SMART G 3000 E	6400	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,052	4,40	59	109
SMART ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	59	46
SMART ECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	60	68
SMART ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	61	90
SMART ECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	62	96
SMART ECG 3000 E	7400	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,016	7,84	63	109

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

WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
SMART M 1000 P	1450	8,42	760	7,46	3730	7,35	1030	0,221	1,07	53	39
SMART M 1500 P	2175	13,09	650	11,91	5510	12,38	3770	0,332	1,61	54	58
SMART M 2000 P	2900	18,96	1660	15,88	4070	16,09	1720	0,442	2,14	55	73
SMART M 2500 P	3625	24,71	3270	19,8	3270	20,98	3390	0,553	2,68	56	79
SMART M 3000 P	4350	30,49	5660	24,66	5750	25,68	4750	0,663	3,21	57	91
SMART G 1000 P	1875	9,89	1010	8,83	5040	8,86	1430	0,332	1,61	54	44
SMART G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,442	2,14	55	64
SMART G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	56	83
SMART G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	57	87
SMART G 3000 P	5000	33,33	6620	27,1	6800	28,44	5690	0,884	4,28	58	99
SMART ECG 1000 P	2250	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	58	44
SMART ECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	59	64
SMART ECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	60	83
SMART ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	61	87
SMART ECG 3000 P	6800	40,35	9300	33,16	9720	35,40	8400	0,854	7,63	62	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.

(*) Voltage 208-1ph~60Hz



WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
SMART M 1000 P	1650	9,14	880	8,12	4340	8,08	1220	0,263	1,10	54	39
SMART M 1500 P	2475	14,21	760	12,99	6420	13,60	4450	0,395	1,65	55	58
SMART M 2000 P	3300	20,58	1920	17,33	4750	17,69	2040	0,526	2,20	56	73
SMART M 2500 P	4125	26,83	3790	21,62	3820	23,07	4010	0,658	2,75	57	79
SMART M 3000 P	4950	33,12	6550	26,92	6720	28,23	5620	0,789	3,3	58	91
SMART G 1000 P	2250	11,04	1230	9,92	6190	10,06	1800	0,395	1,65	55	44
SMART G 1500 P	3000	16,02	940	14,74	8020	15,60	5680	0,526	2,20	56	64
SMART G 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	57	83
SMART G 2500 P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	58	87
SMART G 3000 P	6000	37,36	8110	30,58	8420	32,42	7190	1,052	4,40	59	99
SMART ECG 1000 P	2625	12,09	1450	10,92	7340	11,17	2160	0,381	2,94	59	44
SMART ECG 1500 P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	60	64
SMART ECG 2000 P	5250	16,27	9550	17,36	3500	27,34	3180	0,762	5,88	61	83
SMART ECG 2500 P	6125	23,42	8110	24,53	3660	34,23	5830	0,889	6,86	62	87
SMART ECG 3000 P	7000	41,07	9590	33,79	10040	36,12	8710	1,016	7,84	63	99

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

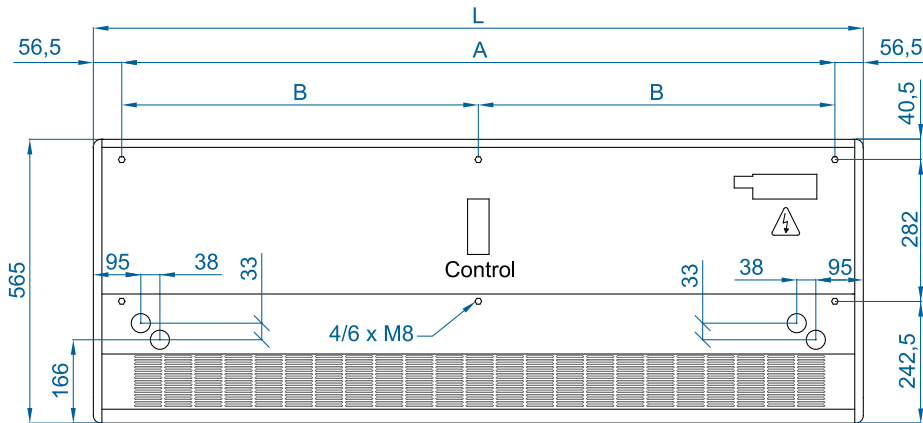
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

(*) Voltage 240-1ph~60Hz



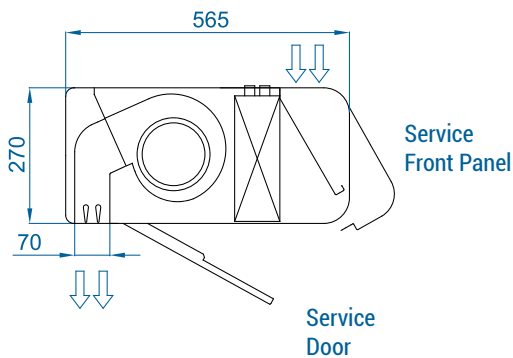
Selection program

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, 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



RJ45 Cable
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II

Sensors



Magnetic
door contact MAG-DC
✓ Included



Mechanical
door contact MEC-DC



Technical Features



Casing:
Black forge
(standard)



Panels:
Anodized
aluminium
(standard)



Panels:
Stainless
Steel
(optional)



Other colors
on request



Range
Up to 4,2 m



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



Casing
Galvanised Steel [*]



Airflow / Length
1875 - 6650 m3/h
1 m to 2,5 m



Heating capacity
E : 2,5 - 30,5 kW
P : 8,83 - 33,64 kW



Grille type
**Micro-perforated
with prefilter function**



Fans
Centrifugal
5-speed



Control
**Plug&Play manual regulator
+ IR remote control**



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

[*] 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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power	Ventilation current	Noise level	Weight
	m3/h	208V-1ph~60Hz kW	208V-1ph~60Hz A	(5 m) dB(A)	
ZEN G 1000 A	2325	0,332	1,61	56	36
ZEN G 1500 A	3100	0,442	2,14	57	50
ZEN G 2000 A	4650	0,663	3,21	58	69
ZEN G 2500 A	5425	0,774	3,75	59	83
ZEN ECG 1000 A	2700	0,319	2,79	60	36
ZEN ECG 1500 A	3600	0,425	3,72	61	50
ECG 2000 A	5400	0,638	5,58	62	69
ECG 2500 A	6300	0,744	6,51	63	83



UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	
ZEN G 1000 A	2475	0,395	1,65	57	36
ZEN G 1500 A	3300	0,526	2,20	58	50
ZEN G 2000 A	4950	0,789	3,30	59	69
ZEN G 2500 A	5775	0,921	3,85	60	83
ZEN ECG 1000 A	2850	0,381	2,94	61	36
ZEN ECG 1500 A	3800	0,508	3,92	62	50
ZEN ECG 2000 A	5700	0,762	5,88	63	69
ZEN ECG 2500 A	6650	0,889	6,86	64	83

ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
ZEN G 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	43
ZEN G 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7.5/11,5	5/5,5/10,5	0,442	2,14	57	62
ZEN G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	85
ZEN G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13,19,5	8/9,5/17,5	0,774	3,75	59	103
ZEN ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	43
ZEN ECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	62
ZEN ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	85
ZEN ECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	103

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

For 208V~3ph~60Hz air Curtains there is only needed to connect three-phase power supply.

For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
ZEN G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	43
ZEN G 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	62
ZEN G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	85
ZEN G 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	103
ZEN ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	43
ZEN ECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	62
ZEN ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	85
ZEN ECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	103

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



WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		ZEN G 1000 P	1875	9,89	1010	8,83	5040				
ZEN G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,562	2,37	57	57
ZEN G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,844	3,57	58	78
ZEN G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,985	4,16	59	95
ZEN ECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	60	40
ZEN ECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	61	57
ZEN ECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	62	78
ZEN ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	63	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.

(*) Voltage 208-1ph~60Hz

WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		ZEN G 1000 P	2250	11,04	1230	9,92	6190				
ZEN G 1500 P	3000	16,02	940	14,74	8020	15,60	5680	0,669	2,44	58	57
ZEN G 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	1,004	3,67	59	78
ZEN G 2500 P	5250	31,17	4640	25,35	5070	27,40	5450	1,172	4,28	60	95
ZEN ECG 1000 P	2625	11,89	1400	11,27	7110	11,50	2090	0,381	2,94	61	40
ZEN ECG 1500 P	3500	17,29	1070	16,77	9240	17,86	6620	0,508	3,92	62	57
ZEN ECG 2000 P	5250	26,86	3080	24,14	7850	25,24	3530	0,762	5,88	63	78
ZEN ECG 2500 P	6125	33,63	5650	28,84	5840	31,38	6360	0,889	6,86	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.

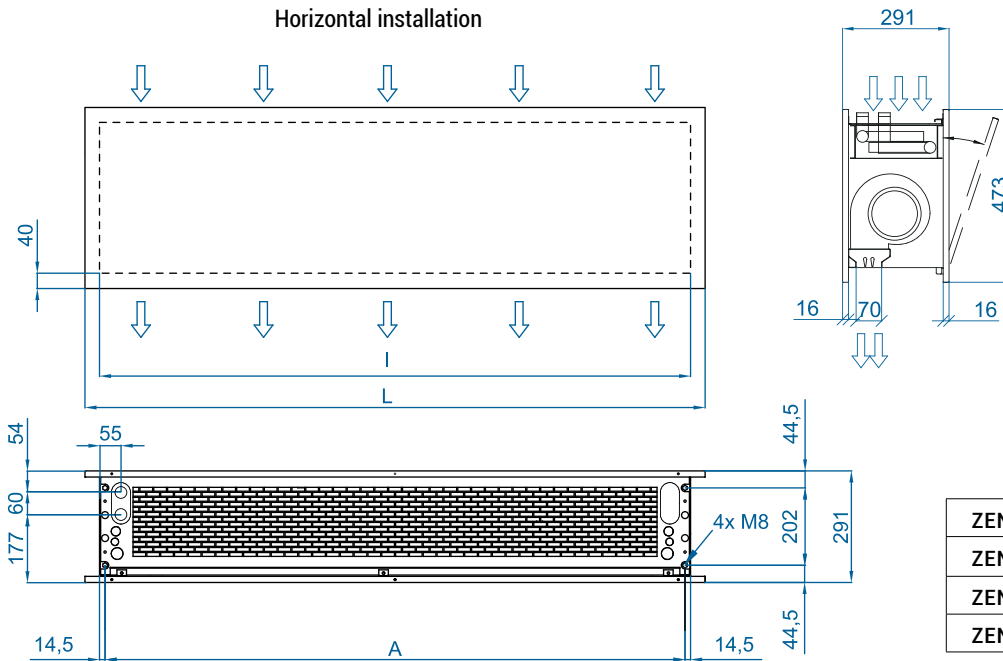
(*) Voltage 240-1ph~60Hz



Selection program

Dimensions

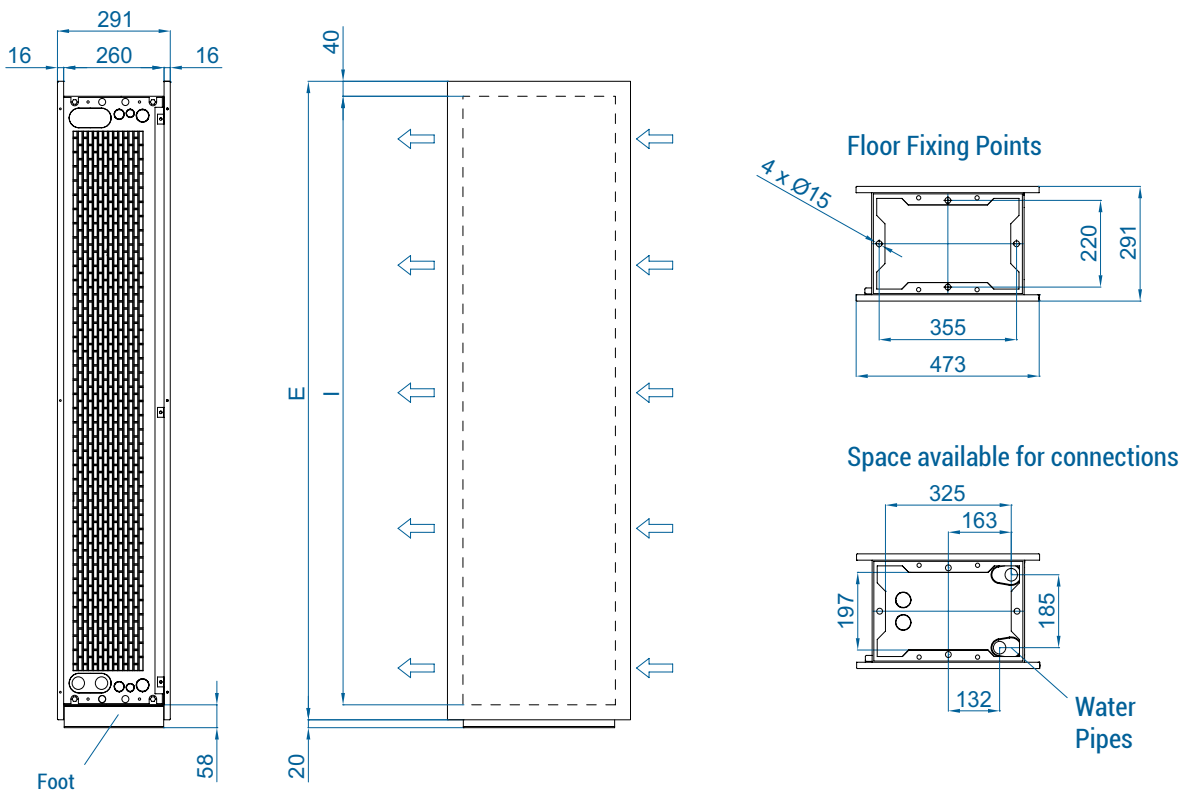
Horizontal installation



	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



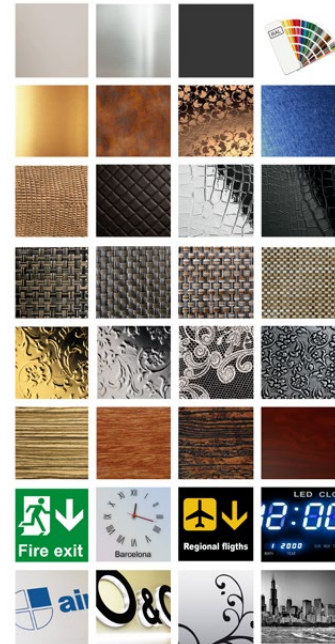
CAD drawings, installation manuals
and other documentation





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.



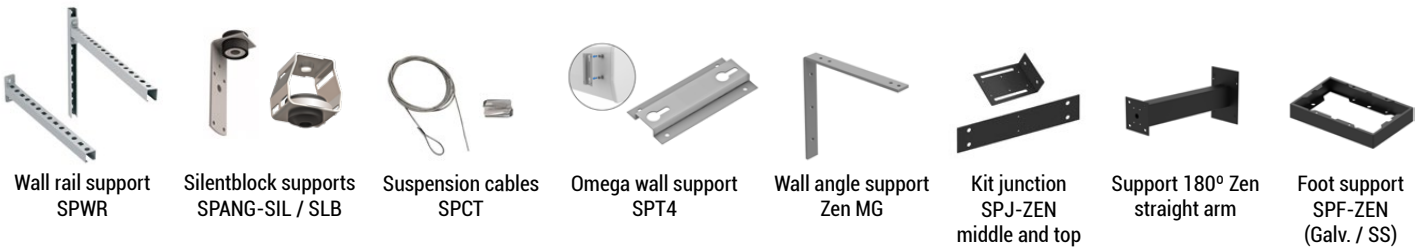
- standard / painted
- decorative metals
- crocco / leather
- screen
- vintage / floral
- wood
- signage
- logos / images



WATCH VIDEO

Optional accessories

Supports and installation



Wall rail support
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 180° Zen
straight arm

Foot support
SPF-ZEN
(Galv. / SS)

Control



IR Control
✓ Included

Basic Control
✓ Included

RJ45 Cable
✓ Included

Hand-Auto
CH-5HW-NE

Interface kit
IN-NE-II

Sensors



Magnetic door contact
MAG-DC
✓ Included

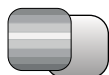
Mechanical door contact
MEG-DC



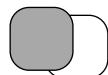
Technical Features



Faceted / Smooth



Standard RAL 9006 / 9016



SS Brushed / Polished



Other colors on request



Range
Up to 4,2 m



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



Casing
Galvanised Steel [*]



Airflow / Length
1875 - 7600 m3/h
1 m to 3 m



Heating capacity
E : 2,5 - 30,5 kW
P : 8,83 - 41,07 kW



Grille type
Micro-perforated with prefilter function



Fans
Centrifugal
5-speed



Control
Plug&Play manual regulator + IR remote control



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

[*] 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). Casing painted in RAL 9016 or RAL 9006 as standard. Other colors 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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

❄ UNHEATED 208V-1ph~60Hz

Model	Airflow m3/h	Ventilation power	Ventilation current	Noise level (5 m) dB(A)	Weight kg
		208V-1ph~60Hz kW	208V-1ph~60Hz A		
RUND G 1000 A	2325	0,332	1,61	56	46
RUND G 1500 A	3100	0,442	2,14	57	68
RUND G 2000 A	4650	0,663	3,21	58	89
RUND G 2500 A	5425	0,774	3,75	59	98
RUND G 3000 A	6200	0,884	4,28	60	108
RUND ECG 1000 A	2700	0,319	2,79	60	46
RUND ECG 1500 A	3600	0,425	3,72	61	68
RUND ECG 2000 A	5400	0,638	5,58	62	89
RUND ECG 2500 A	6300	0,744	6,51	63	98
RUND ECG 3000 A	7200	0,851	7,44	64	108



UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
RUND G 1000 A	2475	0,395	1,65	57	46
RUND G 1500 A	3300	0,526	2,20	58	68
RUND G 2000 A	4950	0,789	3,30	59	89
RUND G 2500 A	5775	0,921	3,85	60	98
RUND G 3000 A	6600	1,052	4,40	61	108
RUND ECG 1000 A	2850	0,381	2,94	61	46
RUND ECG 1500 A	3800	0,508	3,92	62	68
RUND ECG 2000 A	5700	0,762	5,88	63	89
RUND ECG 2500 A	6650	0,889	6,86	64	98
RUND ECG 3000 A	7600	1,016	7,84	65	108

ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight
		kW	kW	kW	kW	kW	A	dB(A)	kg
RUND G 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	54
RUND G 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	81
RUND G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	107
RUND G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	118
RUND G 3000 E	6000	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,884	4,28	60	128
RUND ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	54
RUND ECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	81
RUND ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	107
RUND ECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	118
RUND ECG 3000 E	7200	6,5/8/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,851	7,44	64	128

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

For 208V~3ph~60Hz air Curtains there is only needed to connect three-phase power supply.

For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
		kW	kW	kW	kW	kW	A	dB(A)	kg
RUND G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	54
RUND G 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	81
RUND G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	107
RUND G 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	118
RUND G 3000 E	6400	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,052	4,40	61	128
RUND ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	54
RUND ECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	81
RUND ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	107
RUND ECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	118
RUND ECG 3000 E	7400	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,016	7,84	65	128

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



WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		RUND G 1000 P	1875	9,89	1010	8,83	5040				
RUND G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,442	2,14	57	77
RUND G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	58	100
RUND G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	59	109
RUND G 3000 P	5000	33,33	6620	27,1	6800	28,44	5690	0,884	4,28	60	119
RUND ECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	60	52
RUND ECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	61	77
RUND ECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	62	100
RUND ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	63	109
RUND ECG 3000 P	6800	40,35	9300	33,16	9720	35,40	8400	0,854	7,63	64	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.

(*) Voltage 208-1ph~60Hz

WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
		RUND G 1000 P	2250	11,04	1230	9,92	6190				
RUND G 1500 P	3000	16,02	940	14,74	8020	15,60	5680	0,526	2,20	58	77
RUND G 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	59	100
RUND G 2500 P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	60	109
RUND G 3000 P	6000	37,36	8110	30,58	8420	32,42	7190	1,052	4,40	61	119
RUND ECG 1000 P	2625	12,09	1450	10,92	7340	11,17	2160	0,381	2,94	61	52
RUND ECG 1500 P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	62	77
RUND ECG 2000 P	5250	27,34	3180	23,42	8110	24,53	3660	0,762	5,88	63	100
RUND ECG 2500 P	6125	34,23	5830	27,99	6040	30,51	6600	0,889	6,86	64	109
RUND ECG 3000 P	7000	41,07	9590	33,79	10040	36,12	8710	1,016	7,84	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.

(*) Voltage 240-1ph~60Hz

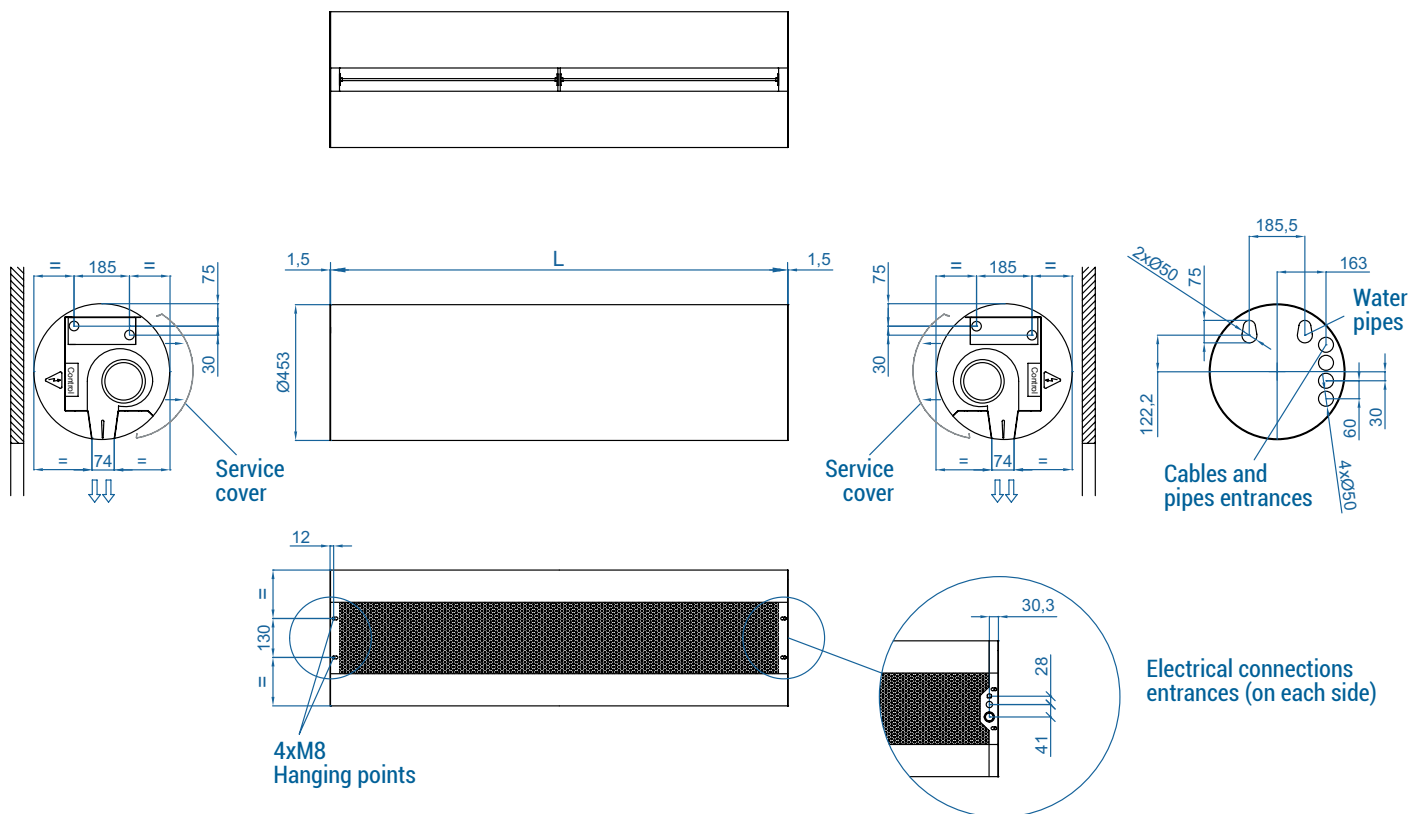


Selection program

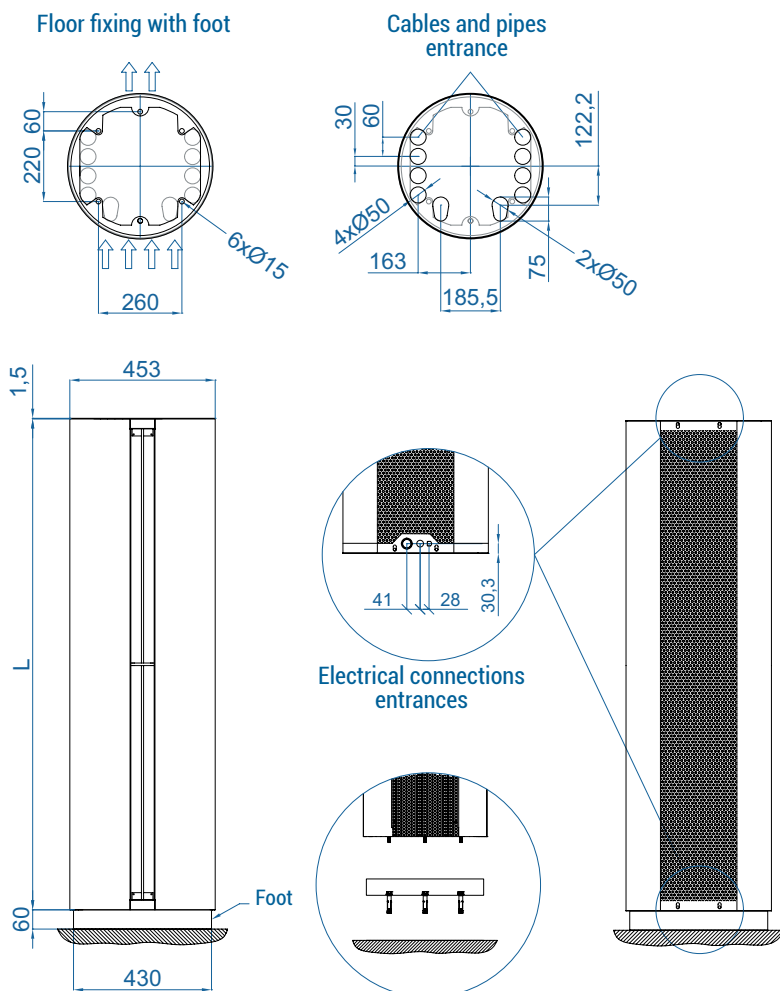


Dimensions

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, installation manuals and other documentation



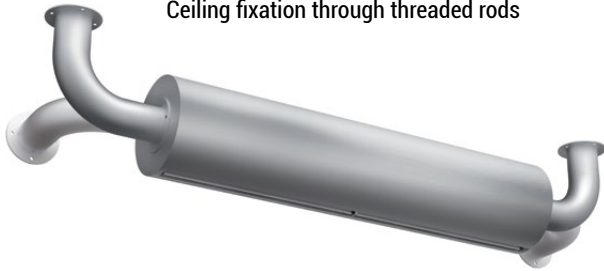
Installation configurations



Ceiling fixation through threaded rods



Wall/ceiling fixation through angle supports



Wall/ceiling fixation through arms



Wall fixation through lateral arms



Floor fixation (goalpost)

Optional accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Suspension cables
SPCT



180° 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



RJ45 Cable
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II

Sensors



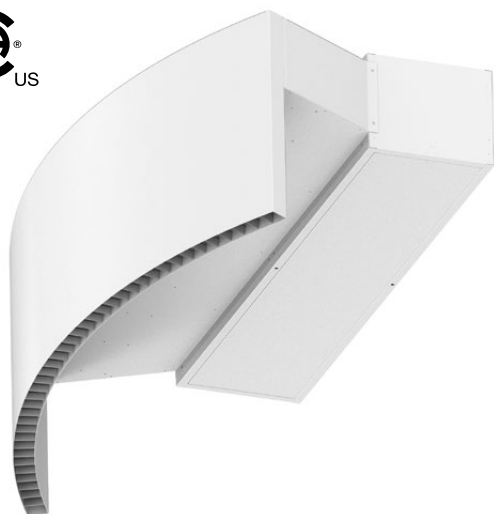
Magnetic door contact
MAG-DC
✓ Included



Mechanical door contact
MEG-DC



Technical Features



Range
Up to 4,2 m



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



Casing
Galvanised Steel [*]



Airflow / Length
1875 - 6650 m3/h
1 m to 2,5 m



Heating capacity
E : 2,5 - 30,5 kW
P : 9,92 - 34,23 kW



Grille type
Micro-perforated
with prefilter function



Fans
Centrifugal
5-speed



Control
Plug&Play manual regulator
+ IR remote control



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

RAL 9016
standard



Other colors
on request



Stainless
steel



[*] Customizable dimensions on request

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 RAL 9016 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 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

❄️ UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power	Ventilation current	Noise level	Weight
	m3/h	208V-1ph~60Hz kW	208V-1ph~60Hz A	(5 m) dB(A)	
ROTO G 1000 A	2325	0,332	1,61	56	-
ROTO G 1500 A	3100	0,442	2,14	57	-
ROTO G 2000 A	4650	0,663	3,21	58	-
ROTO G 2500 A	5425	0,774	3,75	59	-
ROTO ECG 1000 A	2700	0,319	2,79	60	-
ROTO ECG 1500 A	3600	0,425	3,72	61	-
ROTO ECG 2000 A	5400	0,638	5,58	62	-
ROTO ECG 2500 A	6300	0,744	6,51	63	-



UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	
ROTO G 1000 A	2475	0,395	1,65	57	-
ROTO G 1500 A	3300	0,526	2,20	58	-
ROTO G 2000 A	4950	0,789	3,30	59	-
ROTO G 2500 A	5775	0,921	3,85	60	-
ROTO ECG 1000 A	2850	0,381	2,94	61	-
ROTO ECG 1500 A	3800	0,508	3,92	62	-
ROTO ECG 2000 A	5700	0,762	5,88	63	-
ROTO ECG 2500 A	6650	0,889	6,86	64	-

ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
ROTO G 1000 E	2250	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	-
ROTO G 1500 E	3000	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	-
ROTO G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	-
ROTO G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	-
ROTO ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	-
ROTO ECG 1500 E	3600	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	-
ROTO ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	-
ROTO ECG 2500 E	6300	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	-

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

For 208V~3ph~60Hz air Curtains there is only needed to connect three-phase power supply.

For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow m3/h	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight kg
		kW	kW	kW	kW	kW	A	dB(A)	
ROTO G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	-
ROTO G 1500 E	3200	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	-
ROTO G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	-
ROTO G 2500 E	5600	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	-
ROTO ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	-
ROTO ECG 1500 E	3700	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	-
ROTO ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	-
ROTO ECG 2500 E	6475	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	-

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



WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
ROTO G 1000 P	1875	9,89	1010	8,83	5040	8,86	1430	0,332	1,61	56	-
ROTO G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,442	2,14	57	-
ROTO G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	58	-
ROTO G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	59	-
ROTO ECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	60	-
ROTO ECG 1500 P	3400	17,29	1070	15,97	9240	17,02	6630	0,427	3,81	61	-
ROTO ECG 2000 P	5100	26,87	3080	22,99	7850	24,05	3530	0,640	5,72	62	-
ROTO ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	63	-

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.

(*) Voltage 208-1ph~60Hz

WATER HEATED 240V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
ROTO G 1000 P	2250	11,04	1230	9,92	6190	10,06	1800	0,395	1,65	57	-
ROTO G 1500 P	3000	16,02	940	14,74	8020	15,60	5680	0,526	2,20	58	-
ROTO G 2000 P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	59	-
ROTO G 2500 P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	60	-
ROTO ECG 1000 P	2625	12,09	1450	10,92	7340	11,17	2160	0,381	2,94	61	-
ROTO ECG 1500 P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	62	-
ROTO ECG 2000 P	5250	27,34	3180	23,42	8110	24,53	3660	0,762	5,88	63	-
ROTO ECG 2500 P	6125	34,23	5830	27,99	6040	30,51	6600	0,889	6,86	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.

(*) Voltage 240-1ph~60Hz



Selection program

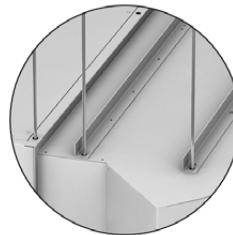


Installation configurations

Standard: Above de door

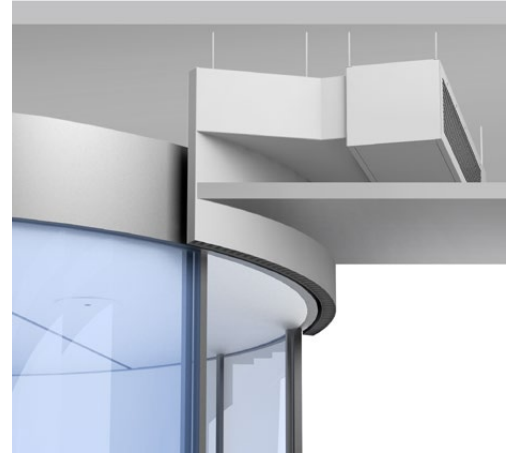


Mounted installation

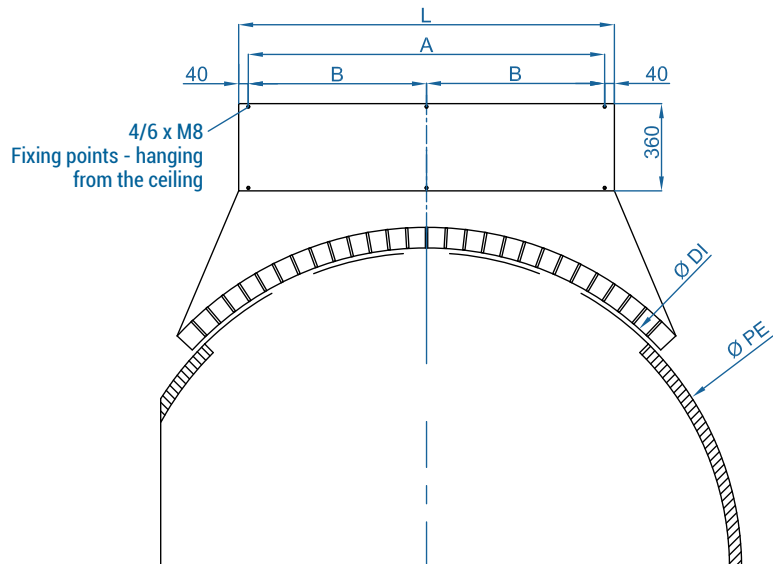
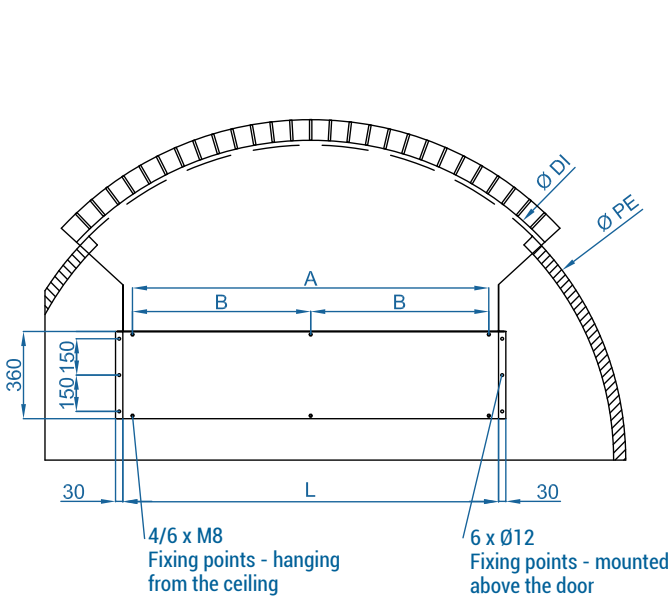
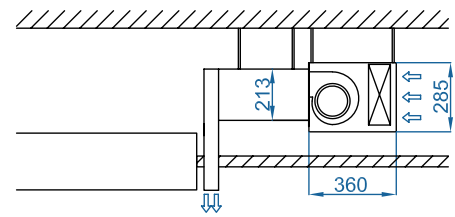
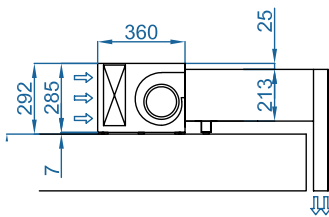


Hanging installation

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

CAD drawings, installation manuals
and other documentation

Ø DI	Inside Outlet Diameter
Ø PE	External Door Diameter



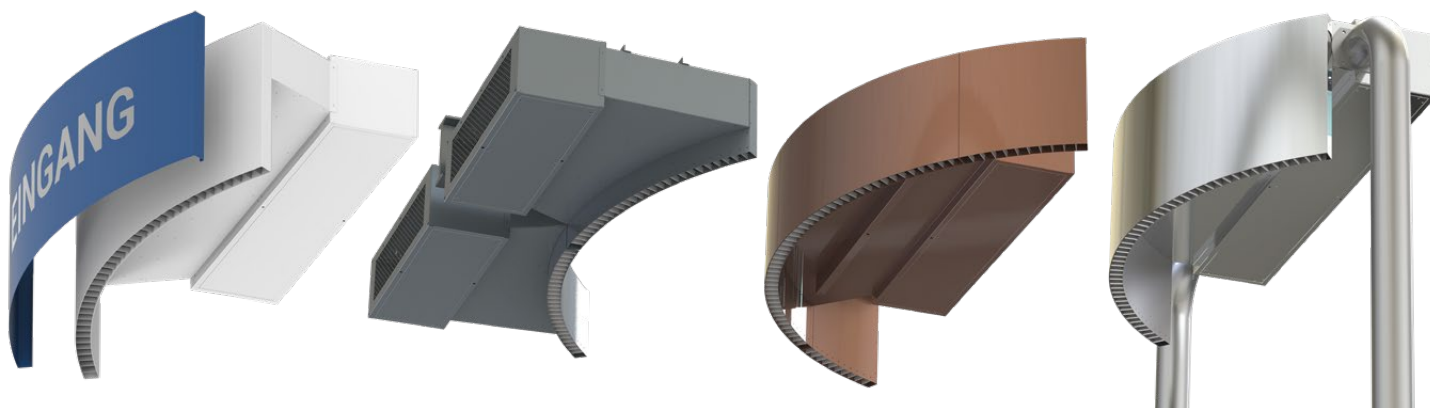
Customizable dimensions on request.



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 accessories

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



RJ45 Cable
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II

Sensors



Magnetic
door contact MAG-DC
✓ Included



Mechanical
door contact MEC-DC



Technical features



Range
Up to 4,2 m



Heating types
A : unheated



Airflow / Length
**1850 - 7600 m3/h
1 m to 3 m**



Heating capacity
-



Fans
**Centrifugal
5-speed**



Control
**Plug&Play manual regulator
+ IR remote control**

RAL 9016
standard



Stainless
steel



Other colors
on request



Casing
Galvanised Steel



Grille type
**Micro-perforated
with prefilter function**



Outlet lamellas
**Aluminium, airfoil type
Adjustable 0-15° 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 large faceted inlet grille avoiding intensive maintenance. Casing and grill painted in RAL 9016. Other colors are available on request.

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 7 m RJ45 cable, infrared remote control and magnetic door contact.

CSA certified.

UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power	Ventilation current	Noise level	Weight
	m3/h	208V-1ph~60Hz kW	208V-1ph~60Hz A	(5 m) dB(A)	
KM 1000 A	1850	0,221	1,07	54	29
KM 1500 A	2775	0,332	1,61	55	44
KM 2000 A	3700	0,442	2,14	56	53
KM 2500 A	4625	0,553	2,68	57	58
KM 3000 A	5550	0,663	3,21	58	76
KG 1000 A	2325	0,332	1,61	56	37
KG 1500 A	3100	0,442	2,14	57	55
KG 2000 A	4650	0,663	3,21	58	71
KG 2500 A	5425	0,774	3,75	59	78
KG 3000 A	6200	0,884	4,28	60	86
KECG 1000 A	2700	0,319	2,79	60	37
KECG 1500 A	3600	0,425	3,72	61	56
KECG 2000 A	5400	0,638	5,58	62	71
KECG 2500 A	6300	0,744	6,51	63	78
KECG 3000 A	7200	0,851	7,44	64	86



❄️ UNHEATED 240V-1ph~60Hz

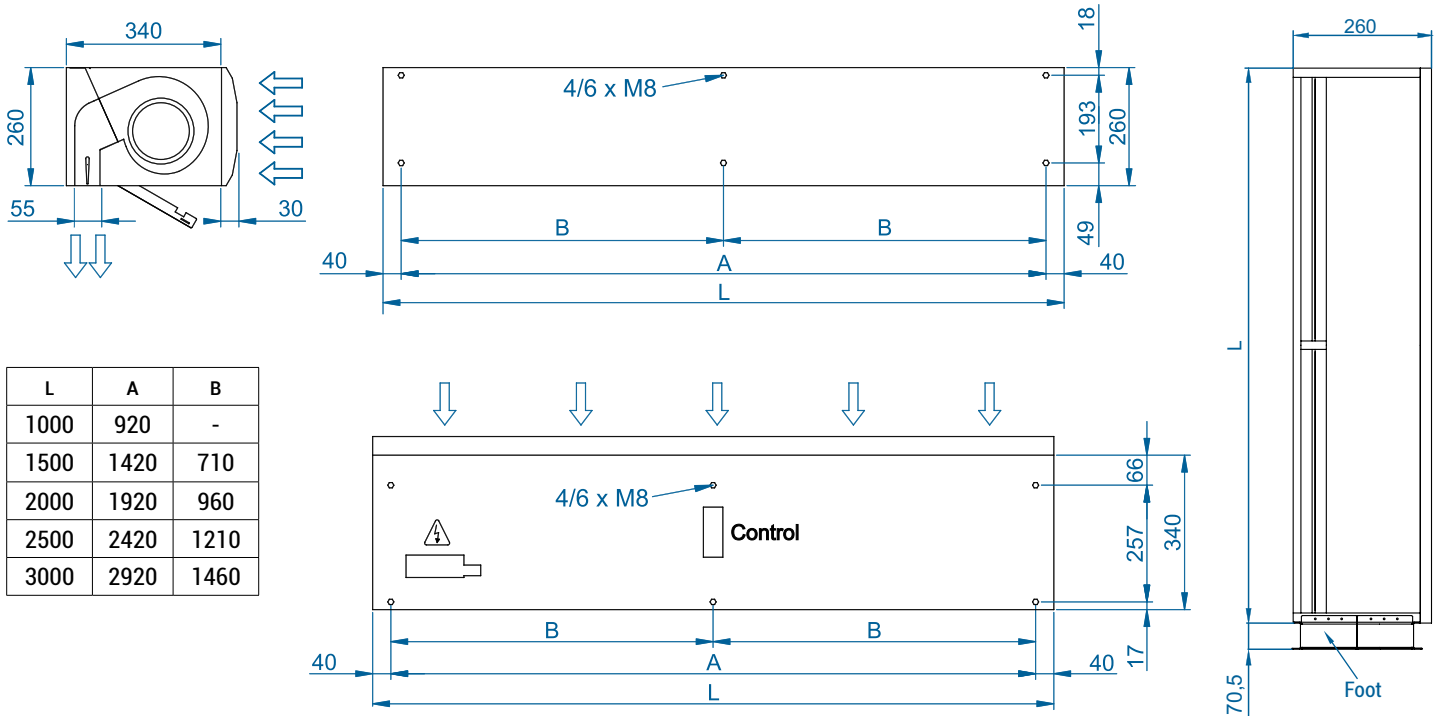
Model	Airflow	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
KM 1000 A	2000	0,263	1,10	55	29
KM 1500 A	3000	0,395	1,65	56	44
KM 2000 A	4000	0,526	2,20	57	53
KM 2500 A	5000	0,658	2,75	58	58
KM 3000 A	6000	0,789	3,30	59	76
KG 1000 A	2475	0,395	1,65	57	37
KG 1500 A	3300	0,526	2,20	58	55
KG 2000 A	4950	0,789	3,30	59	71
KG 2500 A	5775	0,921	3,85	60	78
KG 3000 A	6600	1,052	4,40	61	86
KECG 1000 A	2850	0,381	2,94	61	37
KECG 1500 A	3800	0,508	3,92	62	56
KECG 2000 A	5700	0,762	5,88	63	71
KECG 2500 A	6650	0,889	6,86	64	78
KECG 3000 A	7600	1,016	7,84	65	86



Selection program



Dimensions



Optional accessories

Supports



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



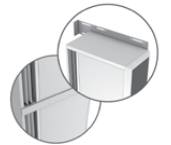
Suspension cables
SPCT



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



Interface kit
IN-NE-II



RJ45 Cable
✓ Included

Sensors



Mechanical door contact
MEC-DC



Magnetic door contact
MAG-DC
✓ Included

CAD drawings, installation manuals
and other documentation





Technical Features



RAL 9016
standard



Other colors
on request



Range
Up to 4,2m



Heating types
A : unheated



Casing
Galvanised Steel



Airflow / Length
1850 - 6650 m3/h
1 m to 2,5 m



Heating capacity
-



Grille type
Micro-perforated
with prefilter function



Fans
Centrifugal
5-speed



Control
Plug&Play manual regulator
+ IR remote control



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

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 7 m RJ45 cable, infrared remote control and magnetic door contact.

CSA certified.

❄️ UNHEATED 208V-1ph~60Hz

Model	Airflow m3/h	Ventilation power 208V-1ph~60Hz kW	Ventilation current 208V-1ph~60Hz A	Noise level (5 m) dB(A)	Weight kg
CR M 1000 A	1850	0,221	1,07	54	33
CR M 1500 A	2775	0,332	1,61	55	50
CR M 2000 A	3700	0,442	2,14	56	61
CR M 2500 A	4625	0,553	2,68	57	68
CR G 1000 A	2325	0,332	1,61	56	37
CR G 1500 A	3100	0,442	2,14	57	55
CR G 2000 A	4650	0,663	3,21	58	71
CR G 2500 A	5425	0,774	3,75	59	78
CR ECG 1000 A	2700	0,319	2,79	60	37
CR ECG 1500 A	3600	0,425	3,72	61	56
CR ECG 2000 A	5400	0,638	5,58	62	71
CR ECG 2500 A	6300	0,744	6,51	63	78



✿ UNHEATED 240V-1ph~60Hz

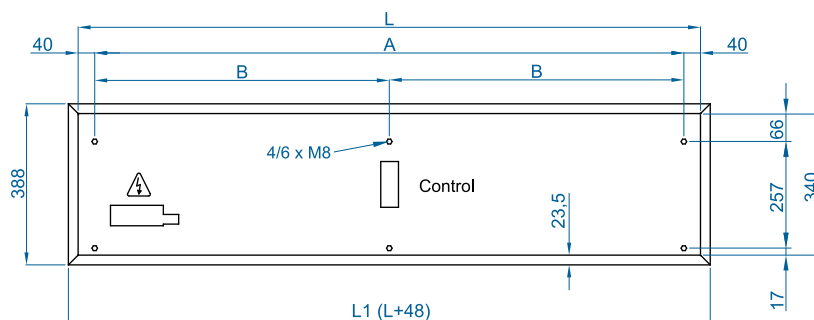
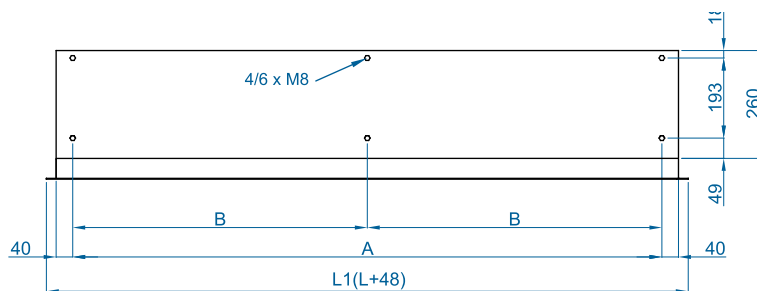
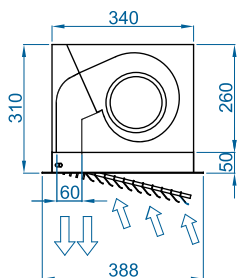
Model	Airflow	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
CR M 1000 A	2000	0,263	1,10	55	33
CR M 1500 A	3000	0,395	1,65	56	50
CR M 2000 A	4000	0,526	2,20	57	61
CR M 2500 A	5000	0,658	2,75	58	68
CR G 1000 A	2475	0,395	1,65	57	37
CR G 1500 A	3300	0,526	2,20	58	55
CR G 2000 A	4950	0,789	3,30	59	71
CR G 2500 A	5775	0,921	3,85	60	78
CR ECG 1000 A	2850	0,381	2,94	61	37
CR ECG 1500 A	3800	0,508	3,92	62	56
CR ECG 2000 A	5700	0,762	5,88	63	71
CR ECG 2500 A	6650	0,889	6,86	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, installation manuals
and other documentation



Optional accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Suspension cables
SPCT

Control



IR Control
✓ Included



Basic Control CA-5AW-IR
✓ Included



Hand-Auto
CH-5HW-NE



Interface kit
IN-NE-II



RJ45 Cable
✓ Included

Sensors



Mechanical door contact
MEC-DC



Magnetic
door contact MAG-DC
✓ Included



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 80/60 °C, 60/40 °C and 50/40 °C with the air inlet temperature at 20 °C.

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	15°C	18°C	20°C	Coil	Difference	Temperatures	15°C	18°C	20°C	
80/60 2 rows	20°C	100/80	1,58	1,53	1,46	50/40 4 rows	20°C	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	
	15°C	100/85	1,72	1,64	1,59	15°C	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		10°C	60/50	1,71	1,57	1,47	
	10°C	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	20°C	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							
15°C		60/45	-	1,22	1,14							
		50/35	0,94	0,82	0,75							
10°C		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



Selection program

$$\text{HEAT CAPACITY} = \text{Nominal Power (20,67 kW)} \times \text{Coefficient (1,35)} = 27,91 \text{ kW}$$

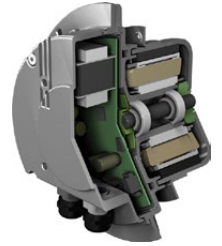


EC Concept

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%

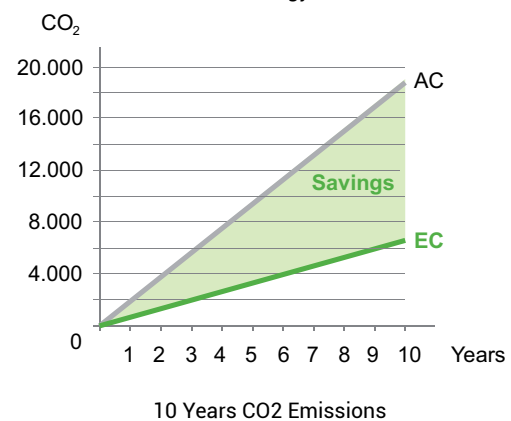
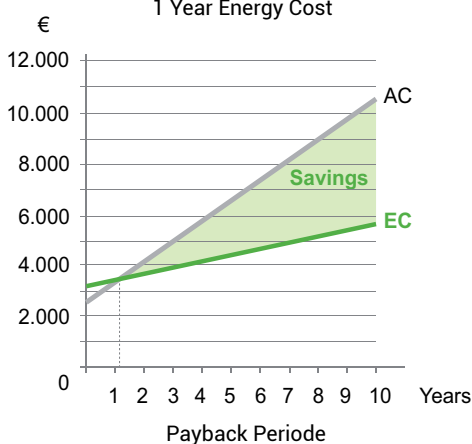
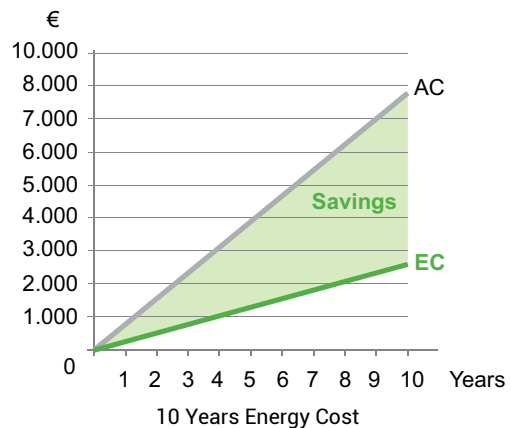
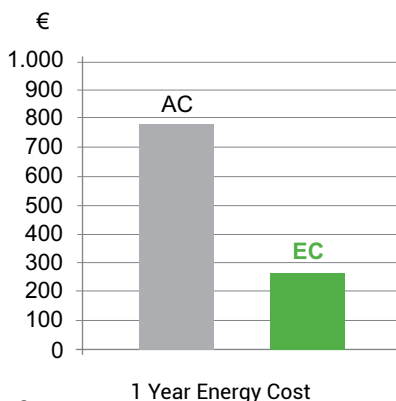
How much money can I save using an EC Air curtain?

Example:

Door dimension: 62 m width by 3,8 m height
 Running time: 12 hours/day, 6 days/week, 50 weeks (~ 1 year)
 Energy cost: 0,05 €/kW (EU-27 average cost)
 Selected unit: AC: G 2000, EC: ECG 2000

	AC Air Curtain		EC Air Curtain		Difference
Total Fans Power	1,285	kW	0,45	kW	- 0,835 kW
Air Curtain Price	2.684	€/unit	3.357	€/unit	+ 673 \$
Energy Consumption	4622	kW/h	1621	kW/h	- 3001 kW/h
Energy Cost	844	€	295	€	- 549 €
CO2 Emissions	1848,84	kg	648,18	kg	- 1200,65 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.





Basic regulation

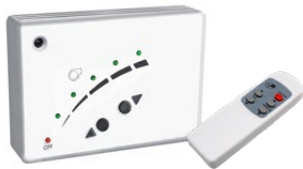
Control panels designed for easy and quick Plug & Play RJ45 cable connection. The digital communication between the control panel and air curtain is a very reliable connection without information losses even at long distances. All control panels can be turned ON/OFF externally and have internal memory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

5-speed range controls

Infrared remote control included. Suitable for air curtains: Windbox MG, Recessed Windbox, Dam, Recessed Dam, Invisair, Smart, Zen, Rund, Rotowind, Kool, Recessed Compact (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



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-5HW-NE

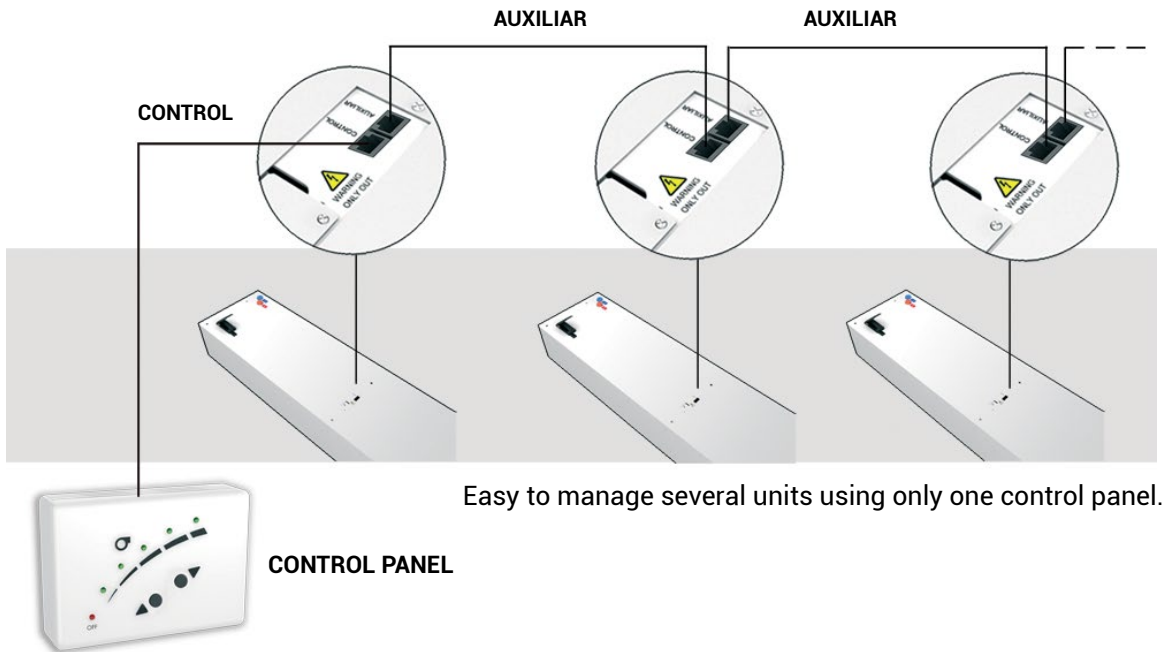
Interface

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

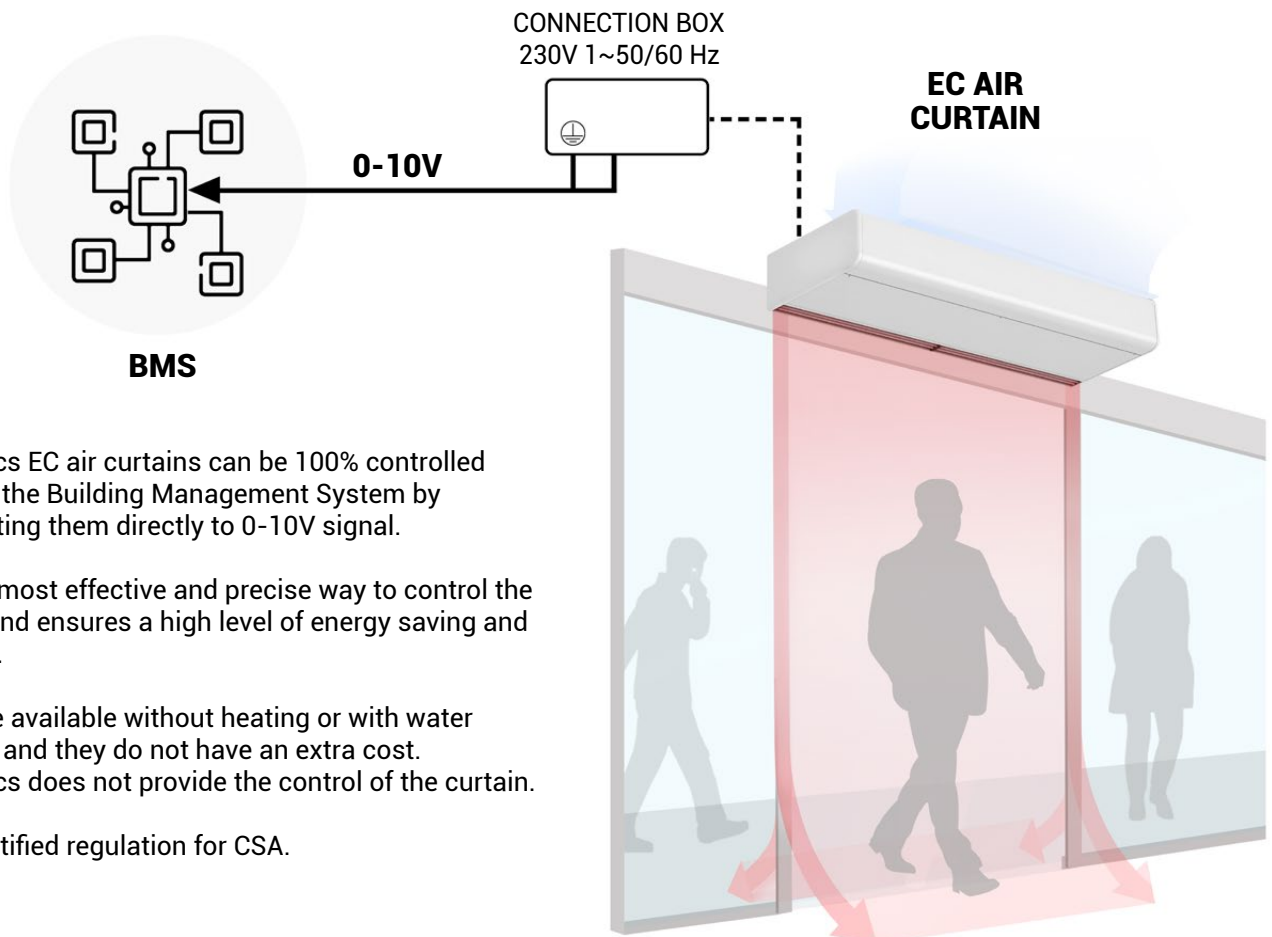


IN-NE-II

Multiple air curtains connection (Basic and advanced regulation)



0-10V connection for BMS (Optional)



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.

Non-certified regulation for CSA.



Clever Control - Advanced regulation

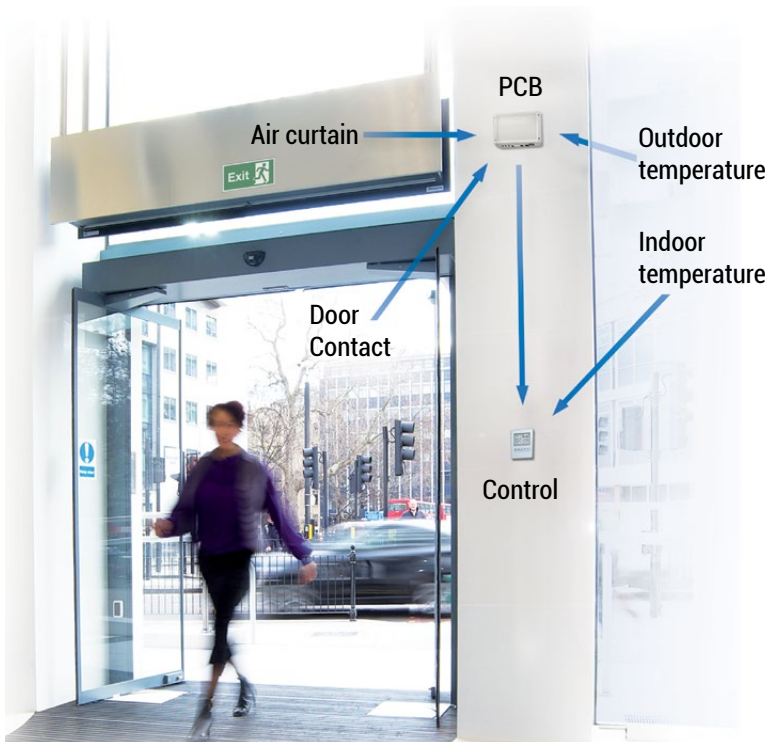
INTELLIGENT
PROACTIVE
REGULATION



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, maintaining comfort while saving energy. It optimizes the ventilation and heating to make an efficient barrier for an optimal climate separation.



Basic and advanced modes

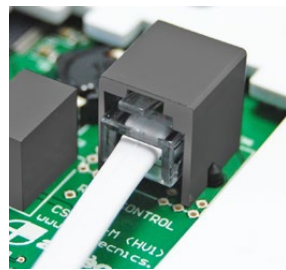


BMS

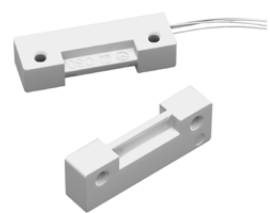
**Connectivity
Modbus BMS**



**Easy
Plug & Play
installation**



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



**Ambient thermostat
and external
temperature
sensors**



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.



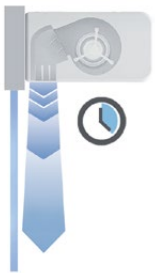
CLEAN FILTER



DIRTY FILTER



REPLACE FILTER



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.



ECO MODE



MEDIUM MODE



COMFORT MODE



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.



Windbox
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



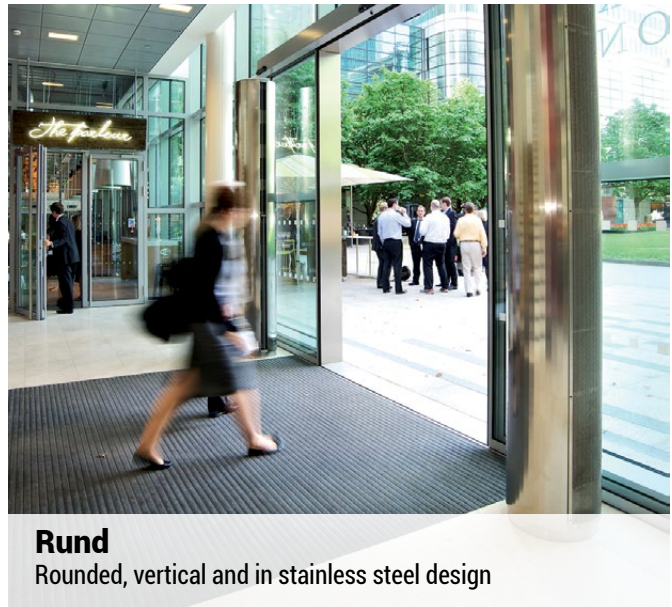
Zen
Elegant with aluminium panels in an offices building



Zen
Exclusive design with custom finishes



Zen
With wood panels in a chain restaurant



Rund
Rounded, vertical and in stainless steel design



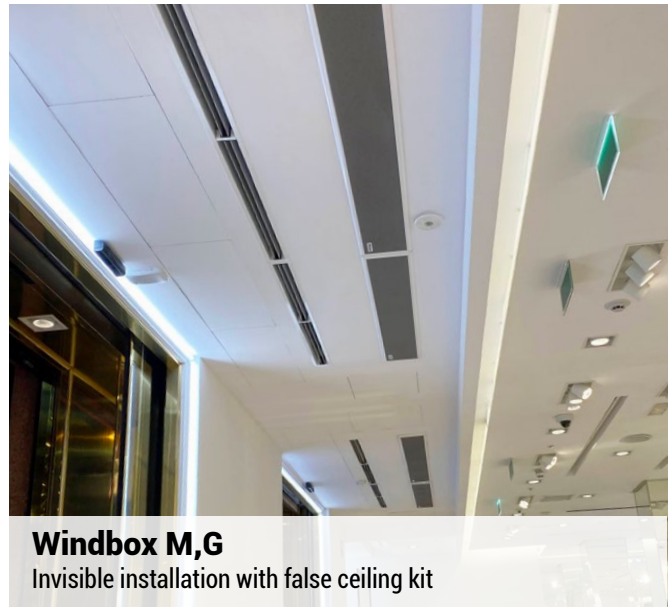
Rund
Tailor made-linear installation for large openings



Rund
Installation with special goalpost supports



Recessed Windbox
Integration in false ceiling in a shopping center



Windbox M,G
Invisible installation with false ceiling kit



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



Rotowind
Special solution for glass revolving doors



Rotowind
Tailor-made design for all types of revolving doors



Rotowind
Tailor-made design for all types of revolving doors

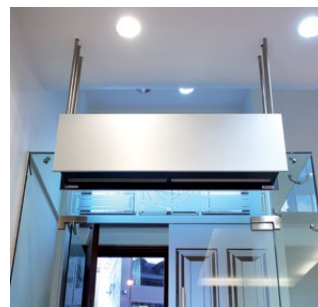
TOP REFERENCES



Production for world renowned brands



See all references



See all installation photos



Sagrada Familia (Barcelona, Spain)

Alhambra (Granada, Spain)

Eiffel Tower (Paris, France)

Nike store (Milan, Italy)

Ferrari (Las Rozas, Spain)

United Nations Palace (Geneva, Switzerland)

El Prat Airport (Barcelona, Spain)

JFK Airport (New York, United States)

Atocha Station (Madrid, Spain)

Barking Hospital (London, UK)

Louvre Museum (Paris, France)

National Theater (London, UK)

Apple Headquarters (London, UK)

Nike Paseo de Gracia (Barcelona, Spain)

Zara (Milan, Italy)

Porsche (Stuttgart, Germany)

BBVA Headquarters (Bilbao, Spain)

Telephone Factory (Madrid, Spain)

Würth factory (Kouvola, Finland)

Aston Martin F1 Team (Silverstone, UK)

BASF factory (Milan, Italy)

American Naval Base (Juffar, Bahrain)

Hilton Hotel (Addis Ababa, Ethiopia)

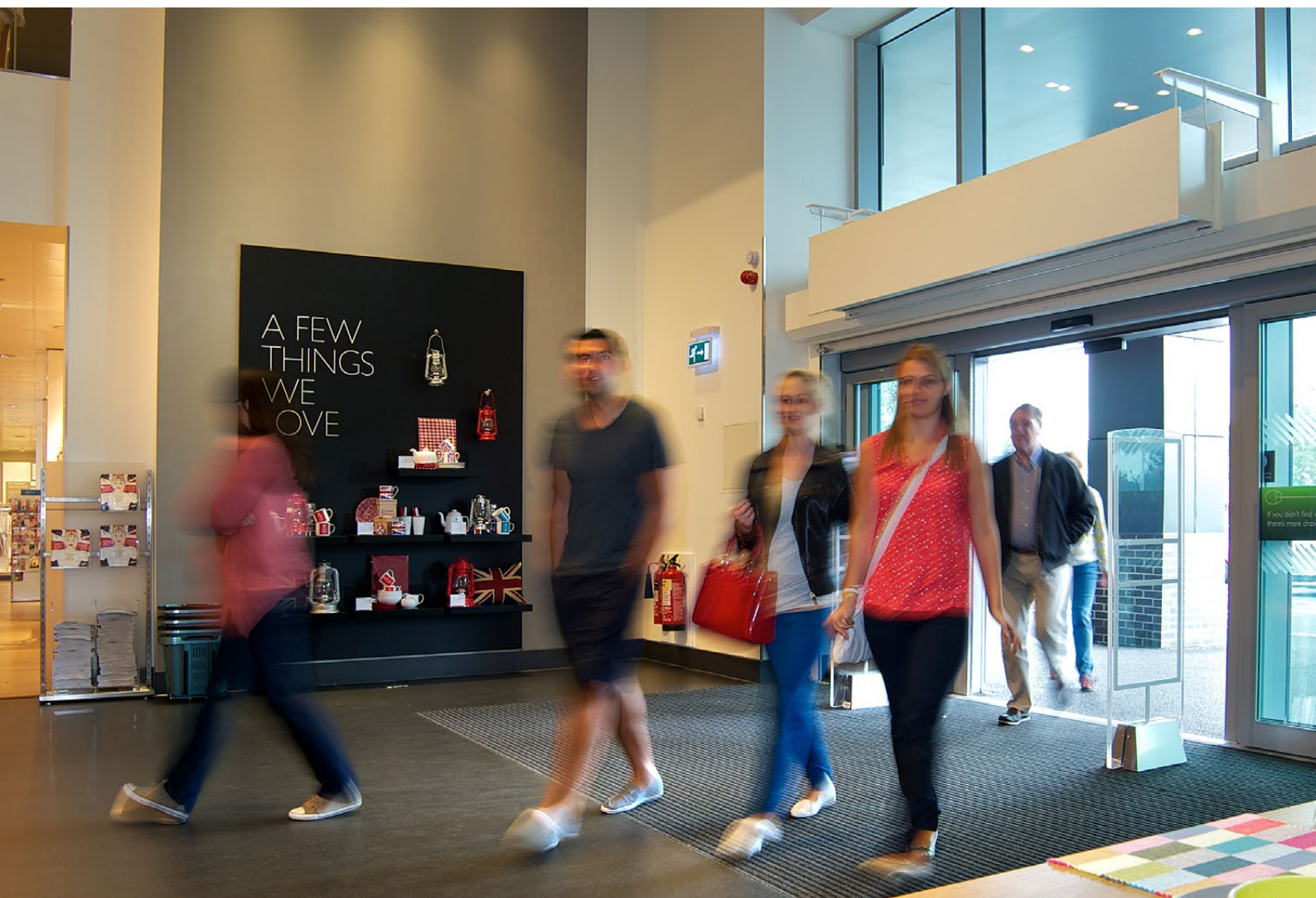
Disneyland (Paris, France)

Port Aventura (Salou, Spain)

Camp Nou (Barcelona, Spain)

San Siro (Milan, Italy)

Circuit de Catalunya F1 (Montmeló, Spain)



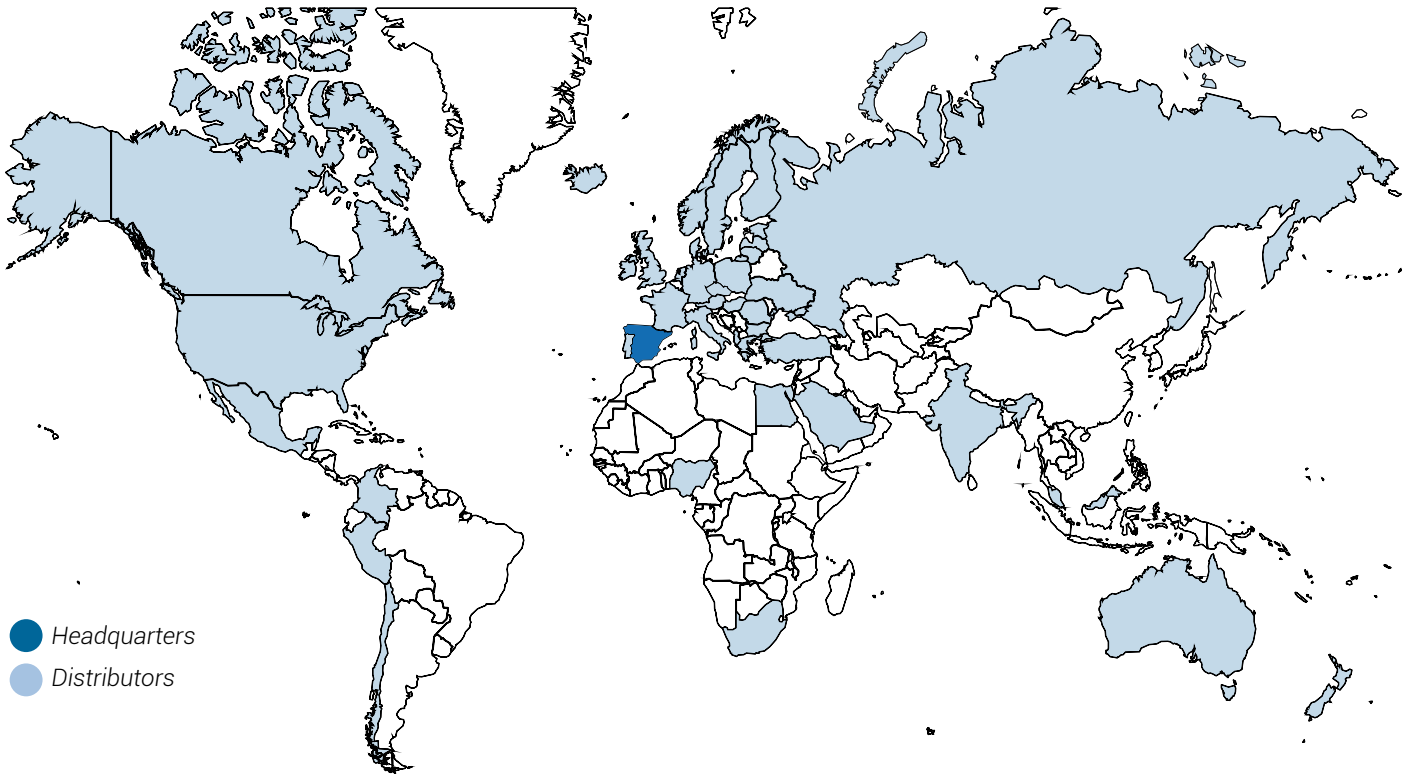
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Victorian Comprehensive (Melbourne, Australia)
Hospital Sant Joan de Déu (Barcelona, Spain)
MNAC (Barcelona, Spain)
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Hugo Boss (Dublin, Ireland)
Foot Locker (Amsterdam, The Netherlands)
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Pepsi Co. Factory (Funza, Colombia)

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Hotel Ritz (Almaty, Kazakhstan)
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W hotel, Dubai (UAE)
Mercadona (Castellar del Valles, Spain)
Vodafone store (Barcelona, Spain)
Alhambra, Granada (Spain)
The Dubai Mall (Dubai, United Arab Emirates)
Water Cube (Beijing, China)
Atomium (Brussels, Belgium)
Palau Sant Jordi (Barcelona, Spain)
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Universal Studios (Sentosa, Singapore)

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