



ZEN Air Curtain

 **airtècnics**

ZEN

Design and Customization

Aware of the importance that the visual impact has in today's society, Airtècnics have managed to combine to perfection the highest technology with the more exclusive beauty.

Decorative, minimalist and elegant, the new ZEN air curtain makes it the favorite of architects and designers to include in their projects. Apart from seamlessly integrate into any space, ZEN can become an active part of the decor and premises ambience offering more features than a standard air curtain.

On several occasions, the front panel has been used to signal an exit or indicate a path (as is the case of Barcelona airport). Many other times it has also been customised to include one or more clocks, textures, logos, backlighting, brand names, slogans, etc.



Versatility and customisation

Decorative curtain air ZEN is fashionable.

With a central steel structure finished in black paint RAL 9913 and anodized aluminum front panels as standard.

Available in other colors, stainless steel AISI 304 glossy, matte or brushed. Special finishes with other materials such as aged metal, wood, glass, PVC / PES, logos, signage, graphics, lights, clocks, vinyl, slogans, etc.

ZEN, with anodized aluminum panels,
Bishopsgate Office Building, London (UK)

Characteristics



- Decorative air curtain in contemporary architectural style. Its minimalist and smart design integrates in any environment and offers infinite options to customize.
- Can include personalized logotypes, signs or graphic designs. It can even incorporate clocks or lighting.
- Front anodized aluminium panels. Optionally manufactured in brushed or mirror polished stainless steel. Other materials are possible, such as wood, metal, etc.
- Central structure made of galvanized steel finished in black forge as standard. Other colours are available on request.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable in both directions.
- Double-inlet centrifugal fans driven by an external rotor motor and low noise level. 5-speed selector. "EC" models assembled with very low consumption efficiency fans.
- "P" type with water heated coil. "E" type with electrical shielded elements, three stages with integrated regulation. "A" type without heating, air only. Optional "DX" with direct expansion coil.
- Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optional: Clever control (programmable, automatic, intelligent, energy saving, Modbus RTU for BMS...).

Specifications

AIR ONLY

Model	Airflow m³/h	Power Fans	Current Fans	Noise Level	Weight kg
		230V-50Hz kW	230V-50Hz A	(5 m) dB(A)	
ZEN M 1000 A	1980	0,318	1,41	55	32
ZEN M 1500 A	2640	0,424	1,88	56	46
ZEN M 2000 A	3960	0,636	2,82	57	62
ZEN M 2500 A	4620	0,742	3,29	58	75
ZEN G 1000 A	2400	0,642	2,85	57	36
ZEN G 1500 A	3200	0,856	3,80	58	50
ZEN G 2000 A	4800	1,284	5,70	59	69
ZEN G 2500 A	5600	1,498	6,65	60	83
ZEN ECG 1000 A	2700	0,225	1,95	61	36
ZEN ECG 1500 A	3600	0,300	2,60	62	50
ZEN ECG 2000 A	5400	0,450	3,90	63	69
ZEN ECG 2500 A	6300	0,525	4,55	64	83

ELECTRICAL HEATED

Model	Airflow m³/h	Electrical Heating Capacity	Power Fans	Current Fans	Noise Level	Weight kg
		400Vx3-50Hz kW	230V-50Hz kW	230V-50Hz A	(5 m) dB(A)	
ZEN M 1000 E	1980	3/6/9	0,318	1,41	55	40
ZEN M 1500 E	2640	4/8/12	0,424	1,88	56	58
ZEN M 2000 E	3960	6/12/18	0,636	2,82	57	77
ZEN M 2500 E	4620	6/12/18	0,742	3,29	58	94
ZEN G 1000 E	2400	5/10/15	0,642	2,85	57	43
ZEN G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	62
ZEN G 2000 E	4800	10/20/30	1,284	5,70	59	85
ZEN G 2500 E	5600	10/20/30	1,498	6,65	60	103
ZEN ECG 1000 E	2700	5/10/15	0,225	1,95	61	43
ZEN ECG 1500 E	3600	7,5/15/22,5	0,300	2,60	62	62
ZEN ECG 2000 E	5400	10/20/30	0,450	3,90	63	85
ZEN ECG 2500 E	6300	10/20/30	0,525	4,55	64	103

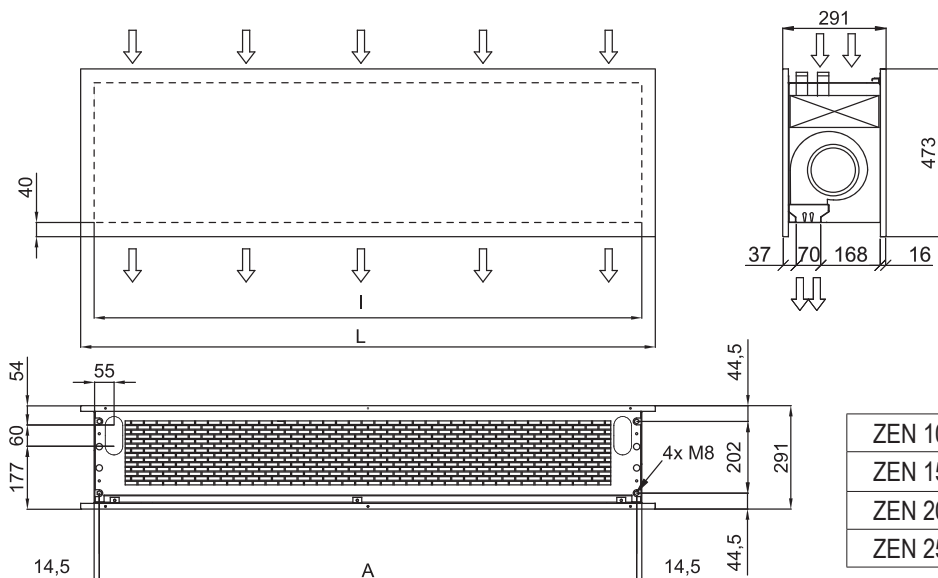
WATER HEATED

Model	Airflow m³/h	P86		P64		P54		Power Fans 230V-50Hz kW	Current Fans 230V-50Hz A	Noise Level (5 m) dB(A)	Weight kg
		Heating Capacity 80/60°C kW	Water Drop Pressure 80/60°C Pa	Heating Capacity 60/40°C kW	Water Drop Pressure 60/40°C Pa	Heating Capacity 50/40°C kW	Water Drop Pressure 50/40°C Pa				
ZEN M 1000 P	1860	9,84	1000	9,22	4990	-	-	0,318	1,41	55	37
ZEN M 1500 P	2480	14,23	760	13,65	6430	-	-	0,424	1,88	56	53
ZEN M 2000 P	3720	22,17	2190	19,70	5470	-	-	0,636	2,82	57	71
ZEN M 2500 P	4340	27,69	4000	23,48	4060	-	-	0,742	3,29	58	86
ZEN G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	40
ZEN G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	57
ZEN G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	78
ZEN G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	95
ZEN ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,225	1,95	61	40
ZEN ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,300	2,60	62	57
ZEN ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,450	3,90	63	78
ZEN ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,525	4,55	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.

ZEN | Decorative Air Curtains For Commercial Doors

Dimensions



Finishes

Vertical installation

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

- Painted any RAL colour or metal
- Different materials: aluminium, stainless steel AISI 304 (brushed or polished), wood, glass, PVC/PES, etc.
- Logos, lights, clocks, signs, vinyls, patterns, etc.



**ZEN, with stainless steel panels,
Unite The Union Office Building, London (UK)**



Manchester



Mecca



Medina



Islamabad

ZEN, with aluminum panel, clocks and Exit sign
Manzil Banqueting Hall Restaurant, Manchester (UK)



ZEN, black painted RAL and vinyl signage
El Prat Airport, Barcelona (Spain)



Airtècnics, also specialist in air curtains for Airports

In general, for its important area, Airports require all kind of air curtains, from the small ones used in the small conveyor belt openings to huge powerful units for hangar doors.

Architects and designers have at their disposal a decorative range of air curtains with countless possibilities. Zen, Rund, Dam and Deco models can be customised to integrate in the Airport environment and can even be used as gage panels.



SORTIDA

ZEN, wood panels finishing
Viena Cornellà Store Splau Restaurant, Barcelona (Spain)



ZEN, painted black RAL, multiple installation
National Art Museum of Catalonia (MNAC),
Barcelona (Spain)



*ZEN, with aluminum panels and vinyl logo
Camp Nou Stadium Offices, FC Barcelona, Barcelona (Spain)*



ZEN, painted black RAL, multiple installation with threaded rods
MANGO Outlet Shop, Santa Perpètua, Barcelona (Spain)

Our air curtains range

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

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

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

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



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



Control & regulation

The control over air curtains is essential to avoid spending more energy than necessary.

Our latest generation controller CLEVER, allows the automatic control of the air curtains performance in each situation, maintaining the comfort with the maximum energy saving.

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

Management: App PC / ANDROID / iOS:



Accesories

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

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

We present some of the possibilities:

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

Please consult us for further information or other options.



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