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Air-Conditioning & Ventilation Components & Systems



SMART Air Curtain

 **airtècnics**

SMART

New standard decorative generation

Based on the range of standard WINDBOX series and incorporating the contemporary elegance and rounded shapes of DECO air curtains, it comes the next generation, SMART air curtain. This new model integrates the latest technical innovations in the market on a single unit with an adaptive design to any decorative environment, maintaining the efficiency of WINDBOX air curtains.

Combining the properties of steel and rounded shapes of its injected plastic side covers, the SMART air curtain presents a high quality design and finishes, and emerges as a perfect model straddling the standard and decorative ranges.

Thanks to its top inlet, the rounded front panel provides a clean and modern vision of the air curtain, hiding its inlet grille which acts as a filter. Thus, its front panel is available for any customization required by the customer: Logotypes, signage, etc.

In addition, the curtain incorporates a double security opening system for its service door and front panel for convenient maintenance and service.

With self-supporting steel frame panels, finished in epoxy-polyester paint white RAL 9016 as standard.

SMART Air curtain

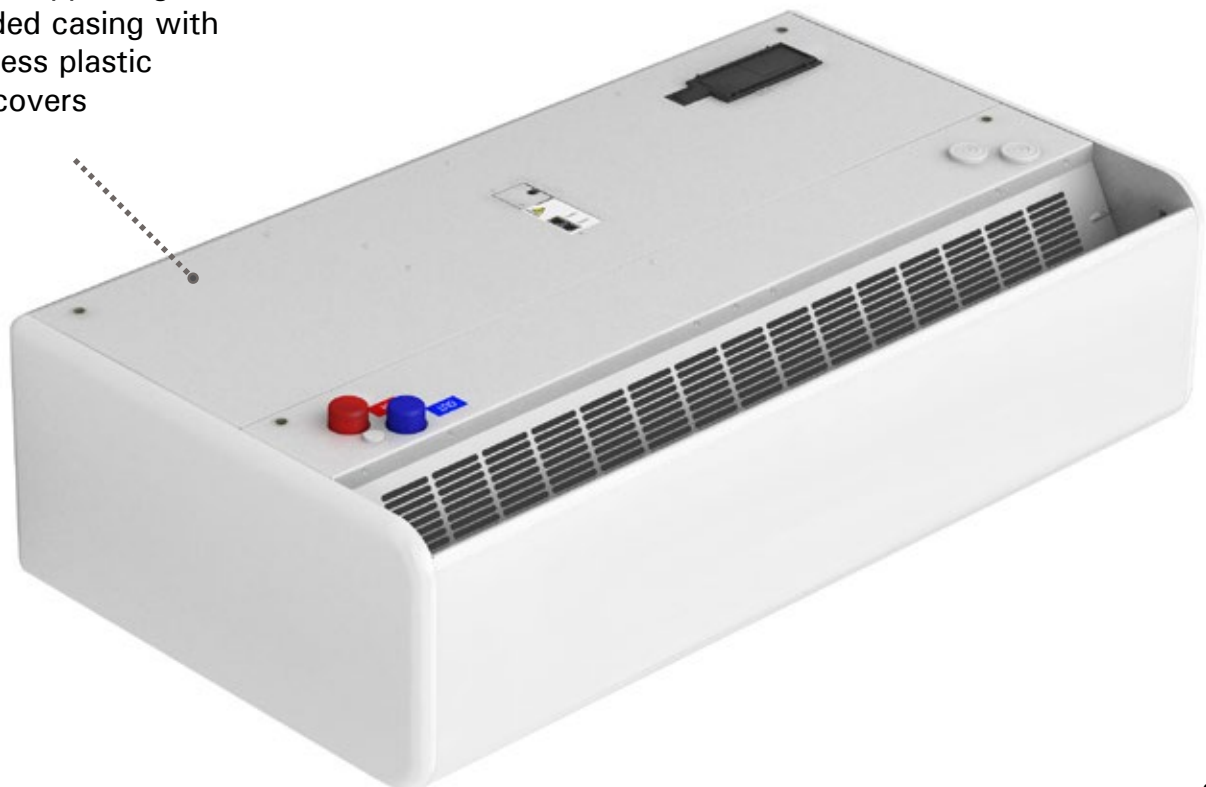
New standard decorative generation

- Hidden top air entrance

- Smooth or customizable front panel with logotypes, lighting or signage



- Self-supporting steel rounded casing with edgeless plastic side covers



SMART | Decorative High Pressure Air Curtains For Commercial And Industrial Doors

Characteristics



- Stylish, discreet and contemporary design adaptive to any interior architecture.
- Smooth front panel can be customized with logotypes, lighting, lettering or safety and informative signals, according to the client requirements.
- Self-supporting steel rounded casing with edgeless plastic side covers, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours are available on request.
- Hidden top air entrance, avoiding the inside view of the unit and the inlet grille.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15° each side.
- 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	Current	Noise	Weight kg
		Fans 230V-50Hz kW	Fans 230V-50Hz A	Level (5 m) dB(A)	
SMART M 1000 A	1800	0,212	0,94	53	34
SMART M 1500 A	2700	0,318	1,41	54	50
SMART M 2000 A	3600	0,424	1,88	55	62
SMART M 2500 A	4500	0,530	2,35	56	66
SMART M 3000 A	5400	0,636	2,82	57	76
SMART ECM 1000 A	1840	0,132	1,14	54	34
SMART ECM 1500 A	2760	0,198	1,71	55	50
SMART ECM 2000 A	3680	0,264	2,28	56	62
SMART ECM 2500 A	4600	0,330	2,85	57	66
SMART ECM 3000 A	5520	0,396	3,42	58	76
SMART G 1000 A	2400	0,642	2,85	55	38
SMART G 1500 A	3200	0,856	3,80	56	55
SMART G 2000 A	4800	1,284	5,70	57	72
SMART G 2500 A	5600	1,498	6,65	58	76
SMART G 3000 A	6400	1,712	7,60	59	86
SMART ECG 1000 A	2700	0,225	1,95	59	38
SMART ECG 1500 A	3600	0,300	2,60	60	55
SMART ECG 2000 A	5400	0,450	3,90	61	72
SMART ECG 2500 A	6300	0,525	4,55	62	76
SMART ECG 3000 A	7200	0,600	5,20	63	86

ELECTRICAL HEATED

Model	Airflow m³/h	Electrical	Power	Current	Noise	Weight kg
		Heating Capacity 400Vx3-50Hz kW	Fans 230V-50Hz kW	Fans 230V-50Hz A	Level (5 m) dB(A)	
SMART M 1000 E	1800	3/6/9	0,212	0,94	53	41
SMART M 1500 E	2700	4/8/12	0,318	1,41	54	62
SMART M 2000 E	3600	6/12/18	0,424	1,88	55	80
SMART M 2500 E	4500	6/12/18	0,530	2,35	56	86
SMART M 3000 E	5400	8/16/24	0,636	2,82	57	99
SMART ECM 1000 E	1840	3/6/9	0,132	1,14	54	41
SMART ECM 1500 E	2760	4/8/12	0,198	1,71	55	62
SMART ECM 2000 E	3680	6/12/18	0,264	2,28	56	80
SMART ECM 2500 E	4600	6/12/18	0,330	2,85	57	86
SMART ECM 3000 E	5520	8/16/24	0,396	3,42	58	99
SMART G 1000 E	2400	5/10/15	0,642	2,85	55	46
SMART G 1500 E	3200	7,5/15/22,5	0,856	3,80	56	68
SMART G 2000 E	4800	10/20/30	1,284	5,70	57	90
SMART G 2500 E	5600	10/20/30	1,498	6,65	58	96
SMART G 3000 E	6400	10/20/30	1,712	7,60	59	109
SMART ECG 1000 E	2700	5/10/15	0,225	1,95	59	46
SMART ECG 1500 E	3600	7,5/15/22,5	0,300	2,60	60	68
SMART ECG 2000 E	5400	10/20/30	0,450	3,90	61	90
SMART ECG 2500 E	6300	10/20/30	0,525	4,55	62	96
SMART ECG 3000 E	7200	10/20/30	0,600	5,20	63	109

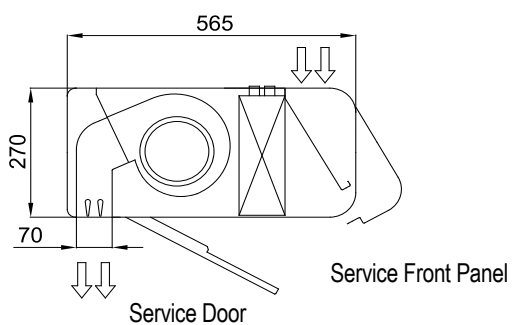
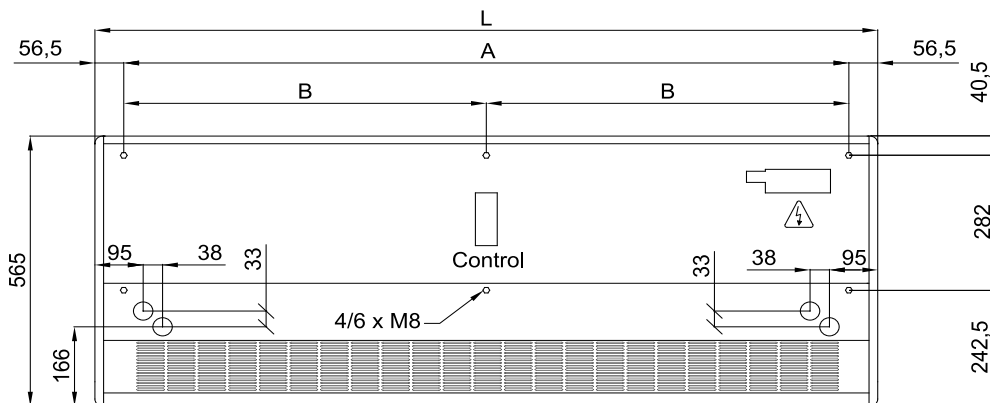
WATER HEATED

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				
SMART M 1000 P	1660	9,17	880	8,56	4370	8,52	1220	0,428	1,90	54	39
SMART M 1500 P	2490	14,26	760	13,69	6460	14,34	4480	0,642	2,85	55	58
SMART M 2000 P	3320	20,65	1930	18,26	4790	18,65	2060	0,856	3,80	56	73
SMART M 2500 P	4150	26,92	3810	22,12	3850	24,32	4040	1,070	4,75	57	79
SMART M 3000 P	4980	33,24	6590	28,37	6760	29,77	5660	1,280	5,70	58	91
SMART ECM 1000 P	1720	9,38	920	8,77	4560	8,74	1280	0,132	1,14	54	39
SMART ECM 1500 P	2580	14,58	790	14,02	6730	14,71	4690	0,198	1,71	55	58
SMART ECM 2000 P	3440	21,12	2010	18,70	4990	19,13	2150	0,264	2,28	56	73
SMART ECM 2500 P	4300	27,53	3960	23,33	4010	24,95	4230	0,330	2,85	57	79
SMART ECM 3000 P	5160	40,00	6860	29,05	7050	30,54	5920	0,396	3,42	58	91
SMART G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	55	44
SMART G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	56	64
SMART G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	57	83
SMART G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	58	87
SMART G 3000 P	6000	37,35	8110	32,10	8410	34,03	7180	1,712	7,60	59	99
SMART ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,225	1,95	59	44
SMART ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,300	2,60	60	64
SMART ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,450	3,90	61	83
SMART ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,525	4,55	62	87
SMART ECG 3000 P	6800	40,34	9290	34,81	9710	37,16	8400	0,600	5,20	63	99

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

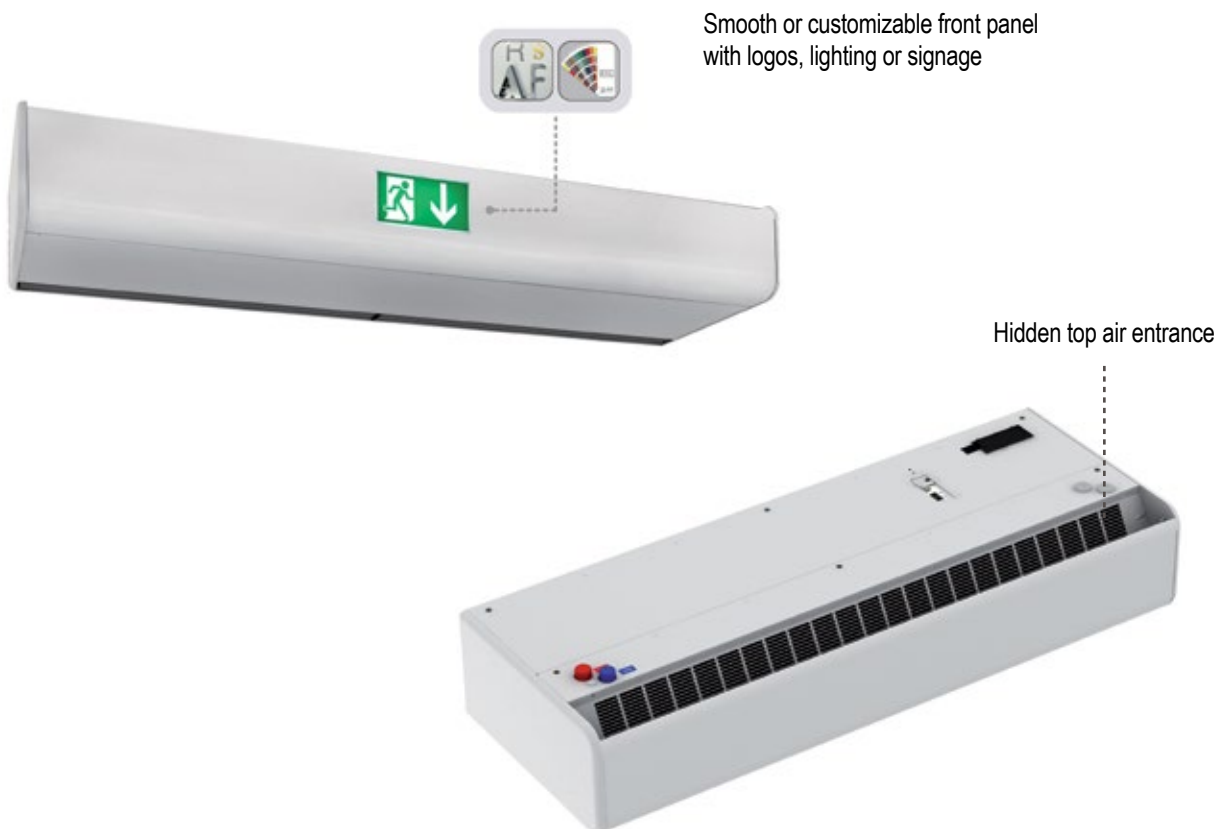
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Dimensions



	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

Finishes and Details





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SMART
Serveto, Lleida (Spain)



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SMART
Carrefour Market, Madrid (Spain)



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SMART

Mood Cinema, Rozzano (Italy)

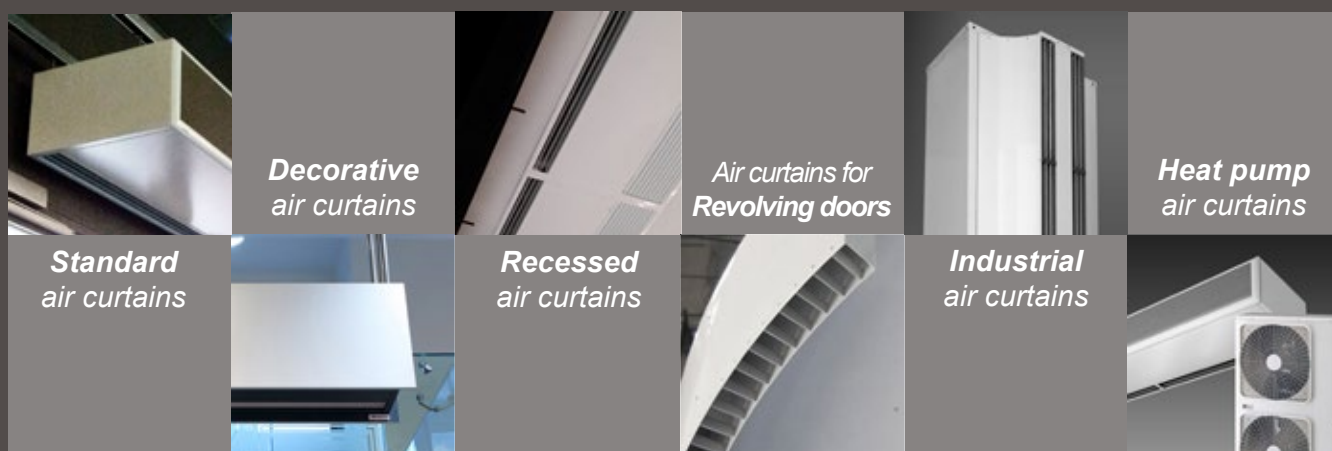
Our air curtains range

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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