RUND Air Curtain

airtècnics

RUND
Decorative Column

Decorative air curtain RUND, cylindrical in shape, is ideal for entrances and buildings where class, elegance and majesty is required.

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.

This air curtain has a wide range of accessories and configurations to suit any need that requires the installation:

With stainless steel cylindrical arms to the wall or ceiling, with goalposts over the door, suspended with steel rods or vertical standing, versatility makes each installation “sui generis”.

With self-supporting steel frame panels, finished in epoxy-polyester paint RAL 9016 white or gray RAL 9006 as standard. Other colors or stainless steel polished finishes available under request.

***RUND**, vertical installation in stainless steel finish*
Pavilion Garden Restaurant Canary Wharf, London (UK)

RUND | Cylindrical Air Curtains

Characteristics

- Decorative rounded air curtain for vertical or horizontal installation.
- Faceted self-supporting casing construction made of galvanized plated steel, finished in structural epoxy-polyester painting white RAL9016 or silver grey RAL9006 as standard. Other colours or stainless steel are available on request.
- Large perforated inlet grille avoiding intensive maintenance.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15º 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	Power Fans 230V-50Hz	Current Fans 230V-50Hz	Noise Level (5 m)	Weight
	m^3/h	kW	A	dB(A)	kg
RUND M 1000 A	1980	0,318	1,41	55	42
RUND M 1500 A	2640	0,424	1,88	56	63
RUND M 2000 A	3960	0,636	2,82	57	79
RUND M 2500 A	4620	0,742	3,29	58	88
RUND M 3000 A	5280	0,848	3,76	59	99
RUND G 1000 A	2400	0,642	2,85	57	46
RUND G 1500 A	3200	0,856	3,80	58	68
RUND G 2000 A	4800	1,284	5,70	59	89
RUND G 2500 A	5600	1,498	6,65	60	98
RUND G 3000 A	6400	1,712	7,60	61	108
RUND ECG 1000 A	2700	0,225	1,95	61	46
RUND ECG 1500 A	3600	0,300	2,60	62	68
RUND ECG 2000 A	5400	0,450	3,90	63	89
RUND ECG 2500 A	6300	0,525	4,55	64	98
RUND ECG 3000 A	7200	0,600	5,20	65	108

ELECTRICAL HEATED

Model	Airflow	Electrical Heating Capacity 400Vx3-50Hz	Power Fans 230V-50Hz	Current Fans 230V-50Hz	Noise Level (5 m)	Weight
	m^3/h	kW	kW	A	dB(A)	kg
RUND M 1000 E	1980	3/6/9	0,318	1,41	55	49
RUND M 1500 E	2640	4/8/12	0,424	1,88	56	75
RUND M 2000 E	3960	6/12/18	0,636	2,82	57	97
RUND M 2500 E	4620	6/12/18	0,742	3,29	58	108
RUND M 3000 E	5280	8/16/24	0,848	3,76	59	119
RUND G 1000 E	2400	5/10/15	0,642	2,85	57	54
RUND G 1500 E	3200	7,5/15/22,5	0,856	3,80	58	81
RUND G 2000 E	4800	10/20/30	1,284	5,70	59	107
RUND G 2500 E	5600	10/20/30	1,498	6,65	60	118
RUND G 3000 E	6400	10/20/30	1,712	7,60	61	128
RUND ECG 1000 E	2700	5/10/15	0,225	1,95	61	54
RUND ECG 1500 E	3600	7,5/15/22,5	0,300	2,60	62	81
RUND ECG 2000 E	5400	10/20/30	0,450	3,90	63	107
RUND ECG 2500 E	6300	10/20/30	0,525	4,55	64	118
RUND ECG 3000 E	7200	10/20/30	0,600	5,20	65	128

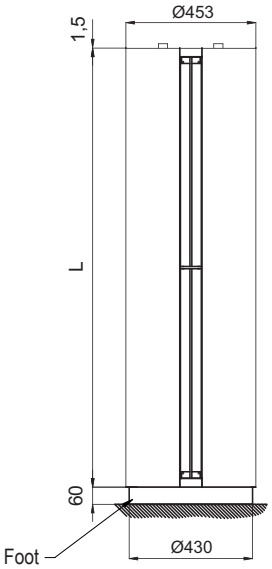
WATER HEATED

		P86		P64		P54					
Model	Airflow	Heating Capacity 80/60ºC	Water Drop Pressure 80/60ºC	Heating Capacity 60/40ºC	Water Drop Pressure 60/40ºC	Heating Capacity 50/40ºC	Water Drop Pressure 50/40ºC	Power Fans 230V-50Hz	Current Fans 230V-50Hz	Noise Level (5 m)	Weight
	m^3/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
RUND M 1000 P	1860	9,84	1000	9,22	4990	-	-	0,318	1,41	55	47
RUND M 1500 P	2480	14,23	760	13,65	6430	-	-	0,424	1,88	56	71
RUND M 2000 P	3720	22,17	2190	19,70	5470	-	-	0,636	2,82	57	90
RUND M 2500 P	4340	27,69	4000	23,48	4060	-	-	0,742	3,29	58	101
RUND M 3000 P	4960	33,15	6560	28,29	6730	-	-	0,848	3,76	59	112
RUND G 1000 P	2250	11,04	1230	10,42	6190	10,56	1790	0,642	2,85	57	52
RUND G 1500 P	3000	16,02	940	15,47	8020	16,37	5670	0,856	3,80	58	77
RUND G 2000 P	4500	24,92	2700	22,29	6810	23,15	3030	1,284	5,70	59	100
RUND G 2500 P	5250	31,16	4930	26,61	5060	28,76	5450	1,498	6,65	60	109
RUND G 3000 P	6000	37,35	8110	32,10	8410	34,03	7180	1,712	7,60	61	119
RUND ECG 1000 P	2550	11,89	1400	11,27	7110	11,50	2090	0,225	1,95	61	52
RUND ECG 1500 P	3400	17,29	1070	16,77	9240	17,86	6620	0,300	2,60	62	77
RUND ECG 2000 P	5100	26,86	3080	24,14	7850	25,24	3530	0,450	3,90	63	100
RUND ECG 2500 P	5950	33,63	5650	28,84	5840	31,38	6360	0,525	4,55	64	109
RUND ECG 3000 P	6800	40,34	9290	34,81	9710	37,16	8400	0,600	5,20	65	119

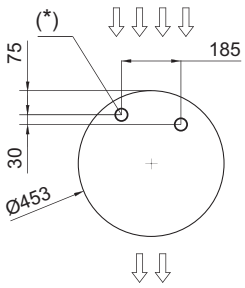
Water heated: connection pipes P86 and P64 are 2x3/4” male (female if rear pipes), P54 2x1” male . P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

Layouts and dimensions

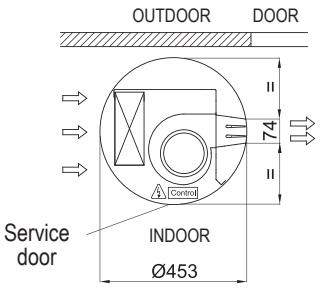
Vertical installation



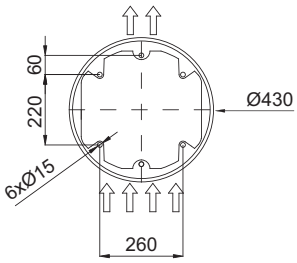
Water pipes top entrance



Standard installation
(vertical left side)



Floor fixing points with foot



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

Horizontal installation

Ceiling fixation through threaded rods

Wall/ceiling fixation through arms

Wall/ceiling fixation through angle supports

Wall fixation through lateral arms

Floor fixation (goalpost)

***RUND**, multiple horizontal installation, stainless steel finish*
National Audit Office, London (UK)

Our Air Curtains go to great lengths

Installation of a 7.4 m long stainless steel Rund air curtain system in central London.
The system is installed at 151 Buckingham Palace Road, an early 1990`s landmark property situated adjacent to Victoria Station let to the Government and many organizations.

Two decorative air curtains with a dummy section at each end create a barrier of air that prevents cold air from entering the reception area even with the doors open.

***RUND**, painted white RAL horizontal installation*
Fire Brigade Building, London (UK)

***RUND**, horizontal installation with goalposts over the door*
Cadbury Factory, Bournville (UK)

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.

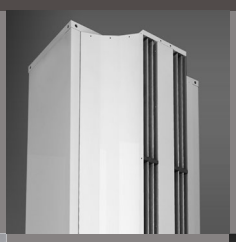
Air curtains create an invisible barrier that efficiently divides the internal atmosphere from the external one.
They substantially reduce energy losses through the door, up to 80%, while increasing employees and clients comfort.

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 appropiate 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.

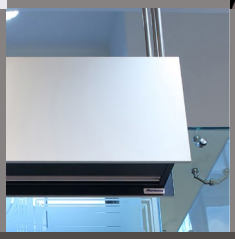
Decorative *air curtains*

Air curtains for ***Revolving doors***



Heat pump *air curtains*

Standard *air curtains*



Recessed *air curtains*

Industrial *air curtains*

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.

EC TECHNOLOGY · ENERGY SAVING · ErP ready · HEAT PUMP

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.

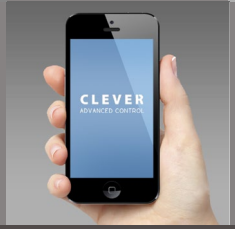
- Proactive and intelligent regulation
- Many advanced functions and programmes
- Maximum energy savings
- Friendly interface design
- “Plug & Play” installation
- BMS connection

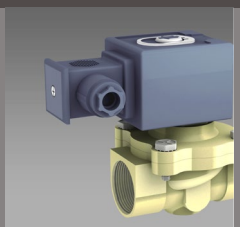
Management: App PC / ANDROID / iOS:

BMS Windows

Intelligent ***Total Control*** *CLEVER*

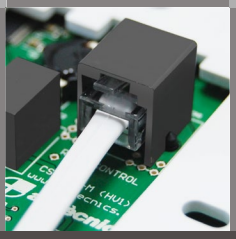
Compatibility ***PC / BMS ANDROID / iOS***





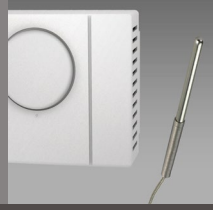
Regulation with valves *thermostatic and solenoid*

Simple installation ***Plug & Play***



Magnetical ***Door Contact***

Ambient ***Thermostat*** *and external temperature* ***sensors***



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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