AIR CURTAINS

FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS

SODECA®

OUR COMMITMENT TO THE **ENVIRONMENT**

Sodeca has begun a new stage of study and design of new trends in ventilation which will help to preserve the environment and to make the energy saving which so much concerns today's society.

efficient energy applications

In order to obtain an improvement in the energetic consumption, SODECA has adjusted the impellers in the maximum efficiency working area. For this reason there might be changes in the curves of this catalogue compared to previous editions.

SODECA has concentrated its activity on the production of industrial fans, ventilation systems and extractors for the removal of smoke in case of fire since 1983, when it was founded.

SODECA's fans and extractors are present in all European countries and in many parts of the world, thanks to the quality of the product and the methods of research and development used.

Our quality procedures used and certified by BUREAU VERITAS, in accordance with ISO 9001:2008, are another of the reasons which make **SODECA** one of the best and most renowned fan manufacturers in Europe.

Without a doubt, the most important factor to achieve our objectives is the human factor, the great professionals who work at your service, offering not only ventilation equipment but also solutions to any ventilation need required by our customers.

We offer you the possibility of visiting our facilities in Sant Quirze de Besora, with over 16,000 square metres of built area, where you will be able to see our fan manufacture with perfect clarity and with the highest standards of quality, complying with the ISO and AMCA standards.

This catalogue is only a small part of our possibilities. Do not hesitate to contact us. We will put all our experience and our human resources at your disposal.

Installations headquarters of SODECA s.a., at Sant Quirze de Besora and manufacturing plant in Santiago de Chile.

SODECA

AIR CURTAINS
COMMERCIAL AND INDUSTRIAL

EFFICIENCY WITHOUT COMPROMISING

Air curtains can reduce the consumption of air-conditioning in a premises up to 30%, avoiding draughts and thermal gradients that affect comfort and well-being.

INNOVATIVE DESIGN

Curtains that perfectly combine innovation and design.

A WIDE VARIETY OF APPLICATIONS

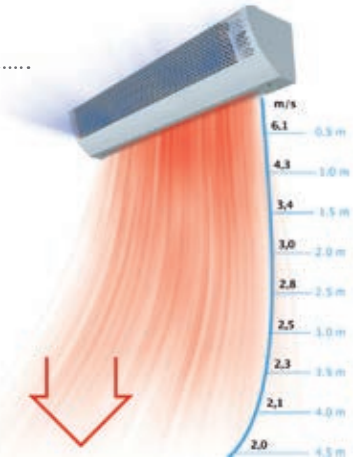
Large variety of curtains for a multitude of applications, doorway sizes and assembly possibilities.

NUMEROUS CONTROL POSSIBILITIES

Most curtains can be controlled in a variety of ways thus covering a diverse range of needs.

EFFICIENT DESIGNS

Efficient designs that achieve adjustable laminar flows with a greater scope and minimum consumption of electricity.



TYPES OF AIR CURTAINS

The air curtains can be used just to recirculate the indoor air or they can be used as heating in many premises:

ENVIRONMENTAL
These use fans to recirculate the room air without adding heat.

ELECTRICAL
These recirculate the room air and, during the cold months, when necessary, they heat this air using electrical resistances.

HOT WATER
These recirculate the room air and, during the cold months, when necessary, they heat this air using hot water batteries.

The curtains that come with electrical or water battery heating can be used as a source of heating, as their output and volume of hot air can heat a surface area of between 500 and 750 m2, depending on the model, in the area surrounding the door.

SELECTING AND INSTALLING AIR CURTAINS

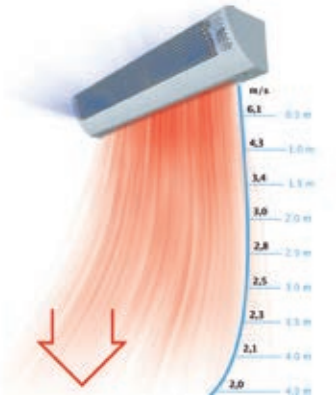
1. Decide which series of air curtains most interests you based on doorway height and preferred design
2. Choose the ideal model based on the width of the doorway, the curtain should cover the entire doorway area with an extra 100 mm overlapping on each side
3. Select the type of curtain desired: the environmental, electrical or hot water model
4. Select the air curtain that best suits your needs to obtain a suitable sound level
5. Install the curtain as close as possible to the entrance on the inside of the premises
6. In the case of separate premises requiring a great deal of refrigeration, install the curtain on the warmer side

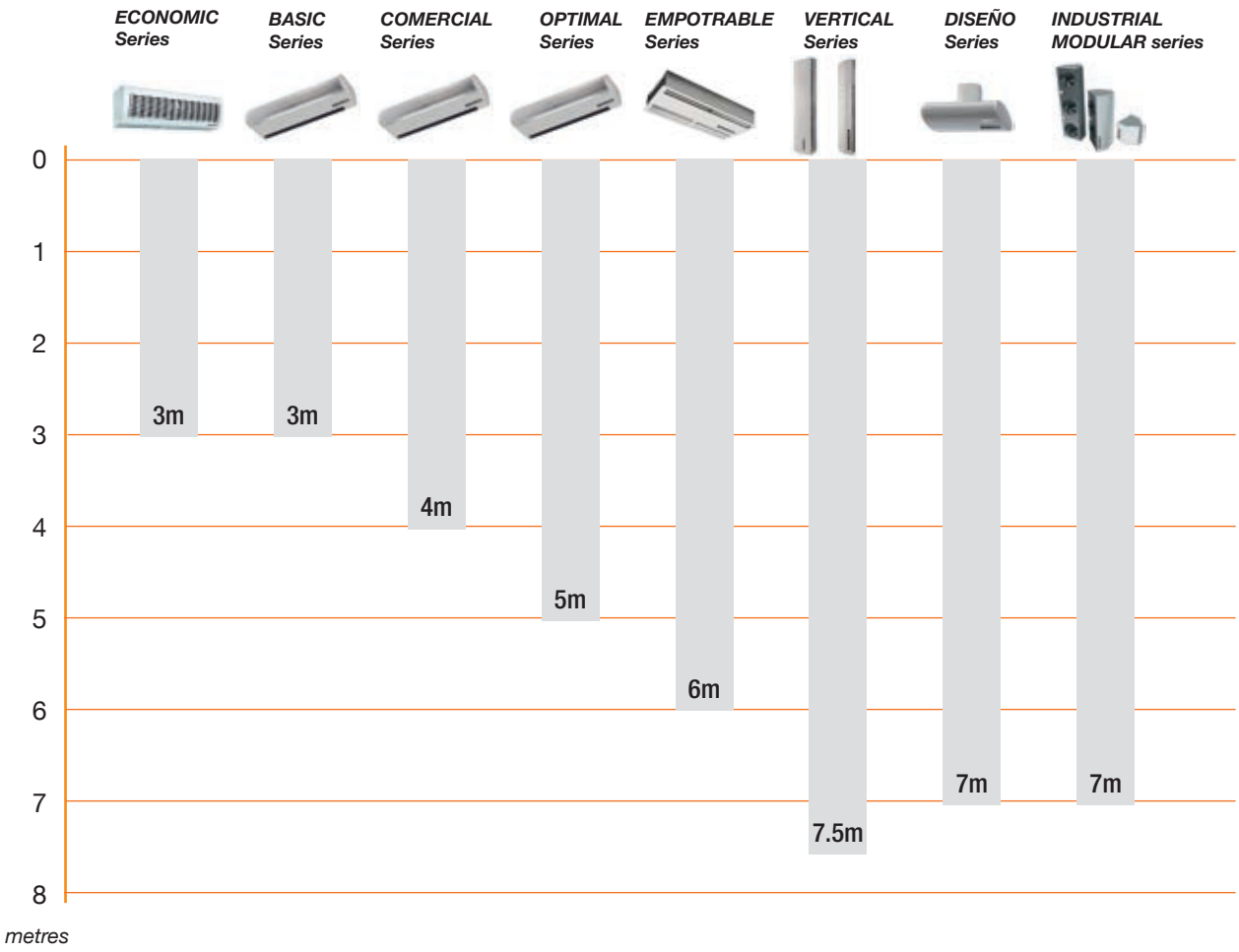
To ensure the air curtain works as well as possible, it is advisable to install and operate this using the especially designed controllers.

SELECTION CHART BY DOORWAY HEIGHT

Choose the series that best suits your project's needs based on doorway height

The maximum doorway height specified in the graph is limited when the curtain's air speed reaches 2.1 m/second. With lower air speeds higher doorways are also possible.





Environmental | Electrical | By hot water | Horizontal assembly | Vertical assembly

A BRIEF SUMMARY TO HELP YOU CHOOSE QUICKLY

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ECONOMIC series
AC Model


Control

External control *(Included in electrical version)*

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
3			AC-09	900	RAL 9016
3			AC-10	1000	RAL 9016
3			AC-15	1500	RAL 9016
3			AC-20	2000	RAL 9016

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BASIC series
VCZ-20 A model


RF


SM

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
3			VCZ-20-A-100	1000	RAL 9010
3			VCZ-20-A-150	1500	RAL 9010
3			VCZ-20-A-200	2000	RAL 9010

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COMERCIAL series
VCZ-02 B Model


SM


DMT

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
4			VCZ-02-B-100	1000	RAL 9010
4			VCZ-02-B-150	1500	RAL 9010
4			VCZ-02-B-200	2000	RAL 9010

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OPTIMAL series
VCO-B Model


SM


DMT

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
5			VCO-B-100	1000	RAL 9010
5			VCO-B-150	1500	RAL 9010
5			VCO-B-200	2000	RAL 9010

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EMPOTRABLE series
VCS3-F model

SM DMRF DARF

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
4			VCS-F-B-100	1000	RAL 9010
4			VCS-F-B-150	1500	RAL 9010
4			VCS-F-B-200	2000	RAL 9010
4			VCS-F-B-250	2500	RAL 9010
5			VCS-F-C-100	1000	RAL 9010
5			VCS-F-C-150	1500	RAL 9010
5			VCS-F-C-200	2000	RAL 9010
5			VCS-F-C-250	2500	RAL 9010

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VERICAL series
VCV-B Model

Installed on double side,
maximum range: 11m

External control
(Incluided in electrical versión)

DM control

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
7			VDV-B-25	2500	Ral9010 Stainless

55 dB

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DISEÑO series
VCC-C Model

External control *(included)*

DM control *DA control*

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
6			VCC-C-10	1000	RAL 9010
6			VCC-C-15	1500	RAL 9010
6			VCC-C-20	2000	RAL 9010

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INDUSTRIAL
MODULAR series
VCP-03 model

External control *(not included)*

ROV Control *ROD Control* *RB control*

Height Door max.	Assembly	Use	Model	Length (mm)	Colour
6			VCP-03-055	550	Ral 9010
6.5			VCP-03-150	1500	Ral 9010
7			VCP-03-200	2000	Ral 9010

ECONOMIC

Economical air curtains, for small commercial premises

Control

Economical air curtains for heights of up to 3m, to be installed horizontally, specially designed for small commercial premises

Construction:
- Painted metallic structure
- Designed to be installed in a horizontal position
- S version: Two fan operating speeds
- Led operating indicator
- Support for assembly wall
- E version: Electrically heated coil control with safety components. Fan stop delayed to remove residual heat

Version:
Environmental: Re-circulate air
Electric: Incorporates electrical resistances

External control
- E version: Remote control included

Application: Small commercial premises	Shops Bars	Offices

Control:		
Operation	manual	manual
Speeds	2 speeds	1 speed
Electrical batery control	no	1 Power level
Contact door	no	no
Led operating indicator	yes	yes

Order code

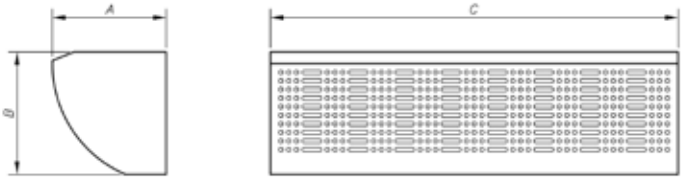
AC **10** **E**

- AC: ECONOMIC series
- 09: 90 cm long
10: 100 cm long
15: 150 cm long
20: 200 cm long
- S: Environmental
E: 230V or 400V Electrical depending on model

Technical characteristics

Model	Height door (m)	Maximum airflow (m^3/h)	Irradiated NPS dB(A)	Heat power (kW)	Battery voltage (V)	Battery current (A)	Fan voltage (V)	Fan current (A)	Weight (Kg)
AC-09-S	3	1200	43				1x230	0.65	14.5
AC-10-S	3	1350	44				1x230	0.72	16
AC-15-S	3	2100	46				1x230	0.95	23.5
AC-09-E	3	1000	45	3.5	1x230	15	1x230	0.65	18
AC-10-E	3	1150	46	4.0	1x230	19	1x230	0.72	20
AC-15-E	3	1800	47	5.5	3X400	9	1x230	0.95	31
AC-20-E	3	2400	51	10	3X400	16	1x230	1.38	39

Dimensions in mm



Model	A	B	C
AC-09-S	200	215	900
AC-10-S	200	215	1000
AC-15-S	200	215	1500
AC-09-E	195	220	900
AC-10-E	195	220	1000
AC-15-E	195	220	1500
AC-20-E	195	220	2000

BASIC

Air curtain for commercial doors up to 3 m height

A perfect combination of innovation and design, providing a perfect and silent air curtain with outlet through an adjustable diffuser, for optimum air direction.

RF

SM

Construction:
- Metallic structure paint with polyester RAL-9010
- Widths of 1, 1.5 and 2m
- Horizontal installation
- Reduced height
- Support for assembly wall incluided
- Adjustable flow
- Outlet grille with adjustable tilt

Battery version:
- S: Environmental. Re-circulate air
- E: Electric. Electrical battery control with up to 2 stages.

Control version:
- RF: Radio-frequency remote control
- SM: Manual selector for wall assembly.

On request:
- Control DMT version

Control options

Control type	**RF**	**RF**	**SM**	**SM**
Battery type				
Speeds	2	2	3	3
Electrical battery control	NO	On / Off	NO	2 stages
Contact door	YES (DS Accessory)	YES (DS Accessory)	YES (DS Accessory)	YES (DS Accessory)
External control contact	NO	NO	Contact door	Contact door
Electric battery cooling	NO	YES	NO	NO
Interconnection curtains	YES (Radio-frequency remote control)	YES (Radio-frequency remote control))	NO	NO
LED functions	In Curtain	In Curtain	NO	NO
Remote control connection	Radio-frequency	Radiofrecuencia	Power cable (230V) Max.100 meters	

Order code

VCZ-20-A - 100 - S - RF

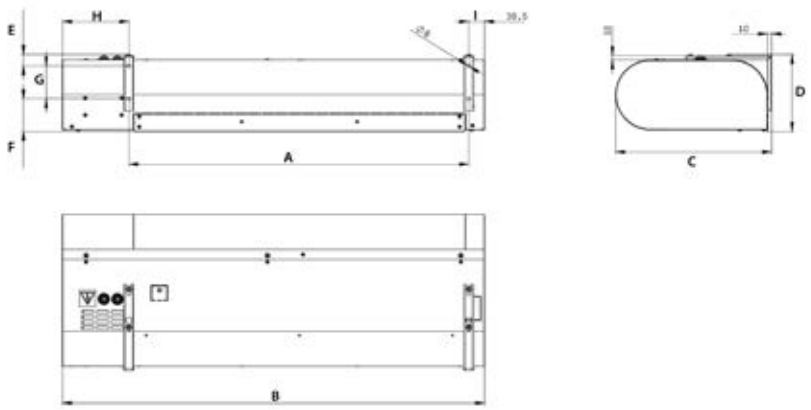
- VCZ-20-A: BASIC series
- 100: Lenght (cm) / 150: Lenght (cm) / 200: Lenght (cm)
- S: No heater battery / E: Electrical battery
- RF: Radio-frecuency remote control / SM: Manual selector using a power cable

Technical characteristics

Model	**Height door (m)**	**Maximum airflow (m^3/h)**	**LpA 5m dB(A)**	**Heater power (kW) 1ª stage**	**Max.**	**Voltage/Total current (V)/(A)**	**Voltage/Fan current (V)/(A)**	**Increase temp. (ºC)**	**Weight (Kg)**
VCZ-20-A-100-S	3	1000	44	-	-	1x230/0.3	1x230/0.3	-	14
VCZ-20-A-150-S	3	1500	45.9	-	-	1x230/0.4	1x230/0.4	-	18
VCZ-20-A-200-S	3	2050	46.5	-	-	1x230/0.5	1x230/0.5	-	23
VCZ-20-A-100-E	3	1000	44	2.4	4.7	3x400/7.1	1x230/0.3	14	15
VCZ-20-A-150-E	3	1450	45.9	3.8	7.6	3x400/11.4	1x230/0.4	15	20
VCZ-20-A-200-E	3	2000	46.5	4.8	9.5	3x400/14.1	1x230/0.5	14	25

400V curtains: Three-phase cable + neutral

Dimensions in mm



Model	A	B	C	D	E	F	G	H	I
VCZ-20-A-100	834	1035	347	179	24	60	80	169	32
VCZ-20-A-150	1334	1535	347	179	24	60	80	169	32
VCZ-20-A-200	1834	2035	347	179	24	60	80	169	32

Accessories

DS

SH-TM-848

COMERCIAL

Air curtain for commercial doors up to 4 m height

A perfect combination of innovation and design, providing a perfect and silent air curtain with outlet through an adjustable diffuser, for optimum air direction.

SM

DMT

Construction:
- Metallic structure paint with polyester RAL-9010
- Widths of 1, 1.5 and 2m
- Horizontal installation
- Support for assembly wall incluided
- Adjustable flow
- Outlet grille with adjustable tilt

Battery version:
- S: Environmental. Re-circulate air
- E: Electric. Electrical battery control with up to 2 stages.
- V: Water. Hot water coils. Maximum temperature of 100° C and 16 bar pressure.

Control version:
- SM: Manual selector for wall assembly.
- DMT: Digital touch selector for wall assembly.

On request:
- RF-type control and other electrical battery powers.

Control options

Control type	SM	SM	SM	DMT	DMT	DMT
Battery type						
Speeds	3	3	3	3	3	3
Electrical battery control	NO	NO	2 stages	NO	NO	2 stages
Water battery control	NO	YES (*)	NO	NO	2 stages (**)	NO
Contact door	DS Accessory	DS Accessory	DS Accessory	DK-1 Accessory	DK-1 Accessory	DK-1 Accessory
External control contact	Contact door	Contact door	Contact door	Contact free voltage	Contact free voltage	Contact free voltage
Electric battery cooling	NO	NO	NO	NO	NO	YES
Interconnection curtains	NO	NO	NO	max. 6 curtains (***)	max. 6 curtains (***)	max. 6 curtains (***)
LED functions	NO	NO	NO	In control	In control	In control
Remote control connection	Power cable (230V) Max.100 meters			RJ-12 cable / PTPM connector of 10m		

(*) Requires TV1-1/1 thermostatic valve separate from the selector (**) Requires ZV-3 and TER-P (***) Requires KABEL connection cable between the curtains

Order code

VCZ-02-B - 100 - S - SM

- VCZ-02-B: COMERCIAL series
- 100: Lenght (cm) 150: Lenght (cm) 200: Lenght (cm)
- S: No heater battery E: Electrical battery V: Water battery
- SM: Manual selector using a power cable DMT: Digital touch selector using a cable

Technical characteristics

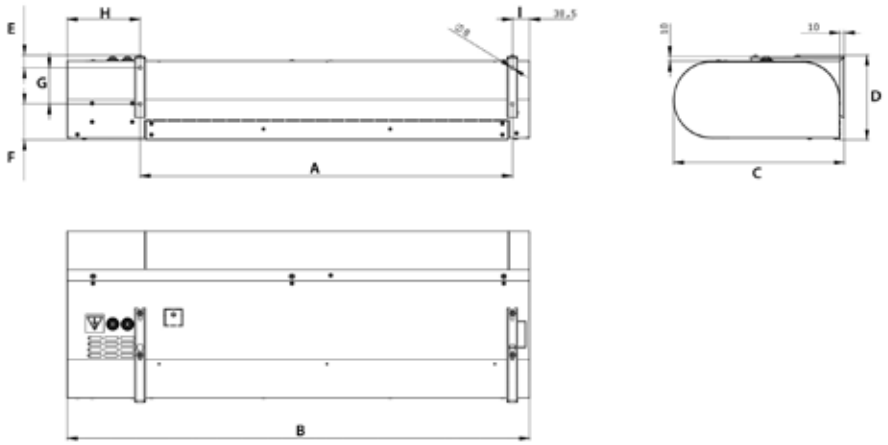
Model	Height door (m)	Maximum airflow (m^3/h)	LpA 5m dB(A)	Heater power (kW)		Voltage/Total current (V)/(A)	Voltage/Fan current (V)/(A)	Increase temp. (ºC)	Weight (Kg)
				1ª stage	Max.				
VCZ-02-B-100-S	4	1500	52	-	-	1x230/0.6	1x230/0.6	-	15
VCZ-02-B-150-S	4	2200	54.2	-	-	1x230/0.7	1x230/0.7	-	20
VCZ-02-B-200-S	4	2900	53.2	-	-	1x230/0.8	1x230/0.8	-	24
VCZ-02-B-100-E	4	1450	51.5	2.4	5.9	3x400/10.2	1x230/0.6	12	16
VCZ-02-B-150-E	4	2150	52.6	4.9	10	3x400/15.9	1x230/0.7	15	22
VCZ-02-B-200-E	4	2800	53	6	12.5	3x400/19.6	1x230/0.8	14	27
VCZ-02-B-100-V	4	1300	51.3	9.6	9.6	1x230/0.6	1x230/0.6	24	17
VCZ-02-B-150-V	4	1900	49.9	15.7	15.7	1x230/0.7	1x230/0.7	26	23
VCZ-02-B-200-V	4	2550	49.7	22.4	22.4	1x230/0.8	1x230/0.8	27	28

400V curtains: Three-phase cable + neutral

Water battery technical characteristics

Model	Airflow ref. (m^3/h)	Thread connection	Temperature gradient 80/60ºC			Temperature gradient 60/40ºC		
			Heat power (kW)	Output temperature (ºC)	Loss of load (kPa)	Heat power (kW)	Output temperature (ºC)	Loss of load (kPa)
VCZ-02-B-100-V	1300	G ½"	8	37.9	0.4	4.7	29.5	0.2
VCZ-02-B-150-V	1900	G ½"	13	40	2	7.7	30.7	1
VCZ-02-B-200-V	2550	G ½"	18.6	41.4	2.2	12.2	31.5	0.8

Dimensions in mm



Model	A	B	C	D	E	F	G	H	I
VCZ-02-B-100	829	1030	381	189	29	80	80	163	38
VCZ-02-B -150	1330	1530	381	189	29	80	80	163	38
VCZ-02-B -200	1830	2030	381	189	29	80	80	163	38

Accessories

DS DK-1 SH-TM-848 TV1-1/1 ZV-3 TER-P KABEL

OPTIMAL

Air curtain for commercial doors up to 5 m height

A perfect combination of innovation and design, providing a perfect and silent air curtain with outlet through an adjustable diffuser, for optimum air direction.

SM

DMT

Construction:
- Metallic structure paint with polyester RAL-9010
- Widths of 1, 1.5 and 2m
- Horizontal installation
- Support for assembly wall incluided
- Adjustable flow
- Outlet grille with adjustable tilt

Battery version:
- S: Environmental. Re-circulate air
- E: Electric. Electrical battery control with up to 2 stages.
- V: Water. Hot water coils. Maximum temperature of 100° C and 16 bar pressure.

Control version:
- SM: Manual selector for wall assembly.
- DMT: Digital touch selector for wall assembly.

On request:
- RF-type control and other electrical battery powers.

Control options

Control type	SM	SM	SM	DMT	DMT	DMT
Battery type						
Speeds	3	3	3	3	3	3
Electrical battery control	NO	NO	2 stages	NO	NO	2 stages
Water battery control	NO	YES (*)	NO	NO	2 stages (**)	NO
Contact door	DS Accessory	DS Accessory	DS Accessory	DK-1 Accessory	DK-1 Accessory	DK-1 Accessory
External control contact	Contact door	Contact door	Contact door	Contact free voltage	Contact free voltage	Contact free voltage
Electric battery cooling	NO	NO	NO	NO	NO	YES
Interconnection curtains	NO	NO	NO	max. 6 curtains (***)	max. 6 curtains (***)	max. 6 curtains (***)
LED functions	NO	NO	NO	In control	In control	In control
Remote control connection	Power cable (230V) Max.100 meters			RJ-12 cable / PTPM connector of 10m		

(*) Requires TV1-1/1 thermostatic valve separate from the selector (**) Requires ZV-3 and TER-P (***) Requires KABEL connection cable between the curtains

Order code

VCO-B - 100 - S - SM

VCO-B -	100 -	S -	SM
VCO-B: OPTIMAL series	100: Lenght (cm) 150: Lenght (cm) 200: Lenght (cm)	S: No heater battery E: Electrical battery V: Water battery	SM: Manual selector using a power cable DMT: Digital touch selector using a cable

Technical characteristics

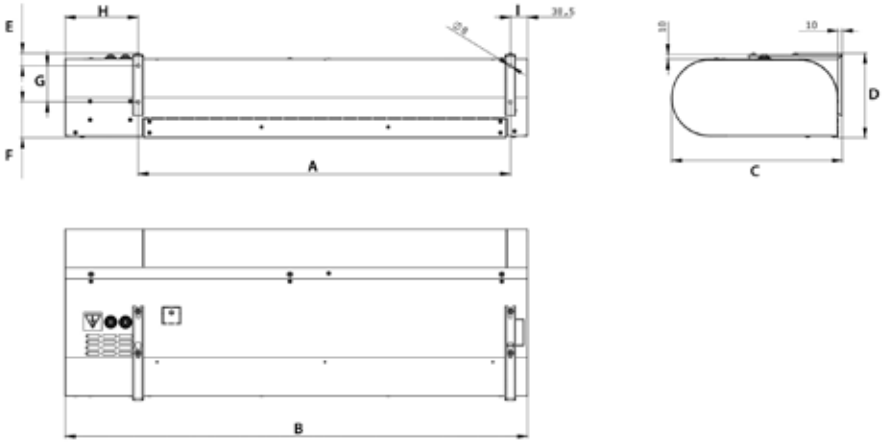
Model	Height door (m)	Maximum airflow (m^3/h)	LpA 5m dB(A)	Heater power (kW)		Voltage/Total current (V)/(A)	Voltage/Fan current (V)/(A)	Increase temp. (ºC)	Weight (Kg)
				1ª stage	Max.				
VCO-B-100-S	5	2500	61.1	-	-	1x230/1.3	1x230/1.3	-	22
VCO-B-150-S	5	3800	61.7	-	-	1x230/1.7	1x230/1.7	-	30
VCO-B-200-S	5	4700	60.6	-	-	1x230/2.8	1x230/2.8	-	37
VCO-B-100-E	5	2500	61.1	5	9.9	3x400/15.7	1x230/1.3	12	23
VCO-B-150-E	5	3600	61.7	7.9	15.2	3x400/23.8	1x230/1.7	13	32
VCO-B-200-E	5	4550	60.6	10.2	19.1	3x400/30.5	1x230/2.8	13	39
VCO-B-100-V	5	2150	60.6	17.2	17.2	1x230/1.0	1x230/1.0	24	25
VCO-B-150-V	5	3000	58	25.6	25.6	1x230/1.4	1x230/1.4	25	33
VCO-B-200-V	5	4250	59.9	37	37	1x230/2.8	1x230/2.8	24	42

400V curtains: Three-phase cable + neutral

Water battery technical characteristics

Model	Airflow ref. (m^3/h)	Thread connection	Temperature gradient 80/60ºC			Temperature gradient 60/40ºC		
			Heat power (kW)	Output temperature (ºC)	Loss of load (kPa)	Heat power (kW)	Output temperature (ºC)	Loss of load (kPa)
VCO-B-100	2150	G ½"	14.1	37.7	1.8	8.3	29.6	0.7
VCO-B-150	3000	G ½"	21	39	13.7	12.4	30.4	5.6
VCO-B-200	4250	G ½"	30.4	39.4	9.9	17.8	30.6	4.2

Dimensions in mm



Model	A	B	C	D	E	F	G	H	I
VCO-B-100	835	1075	441	250	50	110	90	203	38
VCO-B-150	1337	1577	441	250	50	110	90	203	38
VCO-B-200	1837	2077	441	250	50	110	90	203	38

Accessories

DS DK-1 SH-TM-848 TV1-1/1 ZV-3 TER-P KABEL

EMPOTRABLE

SM

DMRF

DARF

High-pressure recessed air curtain for commercial doors up to 5 m height according to model

Designed specifically for installing air curtains in false ceilings, with air inlet and outlet grille, easy maintenance.

Construction:
- Metallic structure paint with polyester RAL-9010
- Widths of 1, 1.5, 2 and 2.5m
- Horizontal installation
- Adjustable flow
- Outlet grille with adjustable tilt

Battery version:
- S: Environmental. Re-circulate air
- E: Electric. Electrical battery control with up to 3 stages.
- V: Water. Hot water coils. Maximum temperature of 100° C and 16 bar pressure.

Control version:
- SM: Wiring manual selector for wall assembly.
- DMRF: Wireless electronic selector for wall assembly.
- DARF: Wireless automatic electronic selector for wall assembly.

On request:
- Support for assembly wall. Ref: VCS4-KONZ-STE
- Supports for assembly ceiling. Ref: VCS4-KONZ-STR

Control options

Control type	**SM**	**SM**	**SM**	**DMRF**	**DMRF**	**DMRF**	**DARF**	**DARF**
Battery type								
Speeds	3	3	3	3	3	3	3	3
Electrical battery control	NO	2 stages	NO	NO	2 stages	NO	3 stages	NO
Water battery control	NO	NO	YES (*)	NO	NO	(*2)	NO	(*3)
Contact door	Accessory	Accessory	Accessory	Accessory	Accessory	Accessory	Accessory	DS
Accessory	DS	DS	DK-1	DK-1	DK-1	DK-1	DK-1	
External control for door	Contact for door	Contact for door	Contact	NO	NO	NO	YES (*4)	YES (*4)
Electric battery cooling	NO	NO	NO	30 Seconds	30 Seconds	30 Seconds	30 Seconds	30 Segundos
Interconnection curtains	NO	NO	NO	Wireless Unlimited units	Wireless Unlimited units	Wireless Unlimited units	Wireless Unlimited cable to 6 ud.(*5)	Wireless Unlimited cable to 6 ud.(*5)
Hour/week timer	NO	NO	NO	NO	NO	NO	YES	YES
Temperature sensor	NO	NO	NO	NO	NO	NO	YES	YES
Remote control connection	Power cable (230V) Max.100 meters			Wireless (radio). Range 100 m line of sight or soft obstacles.				

*(*1) Requires Thermostatic valve TV1-1/1*
*(*2) Requires ZV-3 and TER-P*
*(*3) Requires MV-3*
*(*4) Potential free contact or MODBUS RTU (RJ12) connection*
*(*5) Requires KABEL connection cable between the curtains*

Order code

VCS-F - B - 100 - S - SM

VCS-F	B	100	S	SM
VCS-F: EMPOTRABLE serie	B: Height door 4m C: Height door 5m	100: Lenght (cm) 150: Lenght (cm) 200: Lenght (cm) 250: Lenght (cm)	S: No heater battery E: Electrical battery V: Hot water battery	SM: Manual selector using a power cable DMRF: Radio-frequency manual selector DARF: Radio-frequency automatic selector

Technical characteristics

Model	Height door (m)	Maximum airflow (m³/h)	LpA 3m (*1) dB(A)	Heater power (kW)	Voltage/Total current (V)/(A)	Voltage/Fan current (V)/(A)	Increase temp. (*2) (ºC)	Weight (Kg)
VCS-F-B-100-S	4	2270	58.3	-	1x230/2.2	1x230/2.2	-	37.5
VCS-F-B-150-S	4	3280	60.2	-	1x230/3.4	1x230/3.4	-	51
VCS-F-B-200-S	4	4400	61.5	-	1x230/4.2	1x230/4.2	-	66
VCS-F-B-250-S	4	5460	62.7	-	1x230/5.4	1x230/5.4	-	80
VCS-F-B-100-E	4	2250	57.9	9.4	3x400/15.5	1x230/2.2	12.1	39.5
VCS-F-B-150-E	4	3230	60.2	15	3x400/25.2	1x230/3.3	13.5	54.5
VCS-F-B-200-E	4	4360	61.2	19	3x400/31.3	1x230/4.4	13.1	71
VCS-F-B-250-E	4	5300	62.8	24.5	3x400/41.1	1x230/5.4	13.8	85
VCS-F-B-100-V	4	2140	57.5	25	1x230/2.2	1x230/2.2	36.4	41
VCS-F-B-150-V	4	3100	9.6	39	1x230/3.3	1x230/3.3	39.3	56
VCS-F-B-200-V	4	4280	61	53	1x230/4.3	1x230/4.3	38.7	73
VCS-F-B-250-V	4	5140	62.5	62	1x230/5.4	1x230/5.4	38.1	87
VCS-F-C-100-S	5	3020	61.9	-	1x230/3.9	1x230/3.9	-	42
VCS-F-C-150-S	5	4160	63	-	1x230/5.2	1x230/5.2	-	56.5
VCS-F-C-200-S	5	5270	64.2	-	1x230/6.7	1x230/6.7	-	71
VCS-F-C-250-S	5	6100	65.7	-	1x230/7.9	1x230/7.9	-	84
VCS-F-C-100-E	5	2960	61.2	9.4	3x400/17.9	1x230/4.0	9.7	44
VCS-F-C-150-E	5	4080	62.7	15	3x400/27.2	1x230/5.2	10.7	60
VCS-F-C-200-E	5	5180	64	19	3x400/34.3	1x230/6.8	10.9	75.5
VCS-F-C-250-E	5	6020	65.8	25	3x400/42.8	1x230/7.9	11.7	90
VCS-F-C-100-V	5	2800	61.2	29	1x230/3.8	1x230/3.8	32.7	45.5
VCS-F-C-150-V	5	3900	62.5	45	1x230/5.2	1x230/5.2	36	61
VCS-F-C-200-V	5	5070	63.7	57	1x230/6.5	1x230/6.5	35.4	77
VCS-F-C-250-V	5	5860	65.6	67	1x230/7.6	1x230/7.6	36.1	91.5

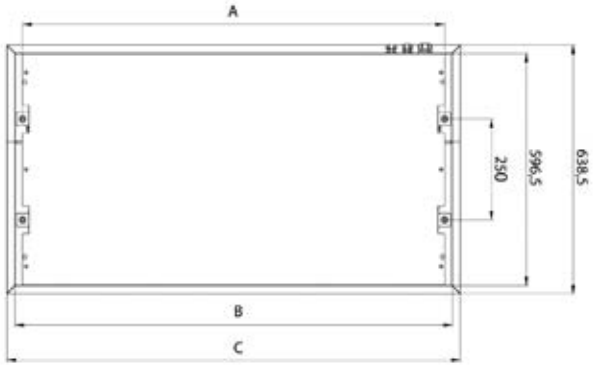
*(*1) Acoustic data at 3 m with a coefficient of Q=2*
*(*2) Temperature increase data at +18ºC of air intake temperature. Water circuit at 90/70ºC*

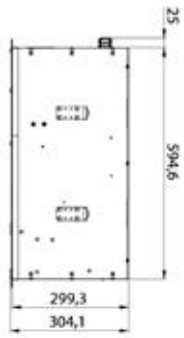
Water battery technical characteristics

Model	Airflow ref. (m³/h)	Thread connection	Temperature gradient 80/60ºC				Temperature gradient 60/40ºC			
			Heat power (kW)	Air outlet temperature (ºC)	Water level (l/s)	Loss of load (kPa)	Heat power (kW)	Air outlet temperature (ºC)	Water level (l/s)	Loss of load (kPa)
VCS-F-B-100-V	2140	G ¾"	20.2	46.4	0.2	8.8	20.2	46.4	0.2	8.8
VCS-F-B-150-V	3100	G ¾"	31.7	48.8	0.3	20.8	31.7	48.8	0.3	20.8
VCS-F-B-200-V	4280	G ¾"	43.1	48.3	0.5	17.7	43.1	48.3	0.5	17.7
VCS-F-B-250-V	5140	G ¾"	51	47.8	0.6	13.4	51	47.8	0.6	13.4
VCS-F-C-100-V	2800	G ¾"	23.8	43.6	0.2	10.9	23.8	43.6	0.2	10.9
VCS-F-C-150-V	3900	G ¾"	36.5	46.1	0.4	25.3	36.5	46.1	0.4	25.3
VCS-F-C-200-V	5070	G ¾"	46.7	45.6	0.5	19.8	46.7	45.6	0.5	19.8
VCS-F-C-250-V	5860	G ¾"	51	47.8	0.6	13.4	51	47.8	0.6	13.4

**Air inlet temperature = +18ºC*

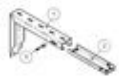
Dimensions in mm

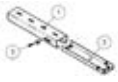




Model	A	B	C
VCS-F-x-100	1085	1125	1167
VCS- F-x-150	1585	1625	1667
VCS- F-x-200	2085	2125	2167
VCS- F-x-250	2465	2505	2547

Accessories


VCS4-KONZ-STE


VCS4-KONZ-STR


DS


DK-1


TV1-1/1


ZV-3


MV-3


TER-P


KABEL

VERTICAL

Truly silent air curtains for commercial doors up to 7.5 m wide.

55 dB

Powerful, silent air curtain due to the perfect combination of flow, absorbed power and sound level characteristics.

Made from
- Metallic structure paint with polyester RAL-9010 or stainless steel
- Designed for vertical installation
- Electronic remote control included
- Three operating speeds
- Led operating indicator
- Version E: Electric battery monitoring with automatic reset thermometer if the temperature exceeds 50ºC, and emergency thermometer with manual reset if the inner temperature of the curtain exceeds 115ºC
- Version W: Water coils designed for a maximum temperature of 100ºC and maximum pressure of 1.6Mpa

Version:
Environmental: Re-circulate air
Electric: Incorporates electrical resistances
Per water: Incorporates water batteries

External control:
- Environmental version: Manual control by DM selector, included
- Electric version: Manual control by DM selector, included
- Water batteries version: See section on control of curtains with water coils

Application:
Shopping centres
Hotels
Banks
Public administration

DM control

Control	DM	DM
Operation	manual	manual
Included	yes	yes
Speeds	3 speeds	3 speeds
Electrical battery control	no	2 levels
Contact door	yes	yes
Contact Thermostat	yes	yes
Contact timer	yes	yes
Led cleaning	yes	yes
Led door situation	yes	yes
Interconnection curtains	max 6	max 6
Led operating indicator	yes	yes
Curtain with control selector connection	Communications cable	Communications cable

Order code

VCV	25	S	0
VCV-B: Vertical series	25: 250cm lenght	S: Environmental E: 400V Electrical F: High power electrical W: Hot water	0: RAL-9010 colour N: Stainless steel

Technical characteristics

Model	Width door (m)	Maximum airflow (m^3/h)	Irradiated NPS dB(A)	Heater power (kW)	Total voltage (V)	Total current (A)	Fan voltage (V)	Fan current (A)	Weight (Kg)
VCV-B-25S	7	5,500	56.00	-	-	-	1x230	6.50	95.00
VCV-B-25E	7	5,400	55.50	24.00	3x400	33.5	1x230	6.50	103.00
VCV-B-25F	7	5,400	55.50	36.00	3x400	50	1x230	6.50	103.00
VCV-B-25W	7	5,100	55.00	41.10	-	-	1x230	6.50	104.00

Electrical battery technical characteristics

Model	Maximum airflow (m^3/h)	Heat power (kW)	Increase temperature (ºC)*
VCV-B-25E	5,400	24.00	13.33
VCV-B-25F	5,400	36.00	20.00

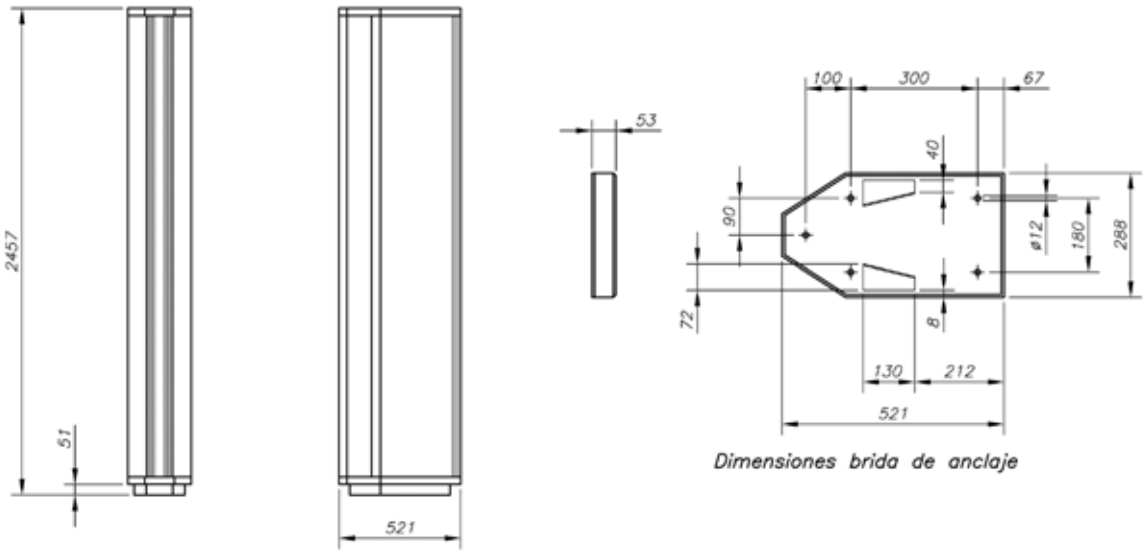
**Result achieved with maximum volume and maximum electrical power*

Water battery technical characteristics with temperature gradient 80/60ºC

Model	Maximum airflow (m^3/h)	Heat power (kW)*	Output temperature (ºC)	Water level (l/s)	Water pressure (kPa)
VCV-B-25W	5,100	33.80	37.60	0.41	7.00

**Air inlet temperature +18ºC*

Dimensions in mm



Dimensiones brida de anclaje

DISEÑO

Designer air curtains for commercial doorways of up to 6 m in height

Sophisticated and elegant design for select premises, with high air flow and low noise

Made from
- Structure in metal sheeting, painted in metallic silver colour
- Designed to be installed in a horizontal position
- Diffuser with adjustable slats
- Manual remote control included
- Three operating speeds
- Led operating indicator, except for air-only version
- Version E: Electrically heated coil controlled by automatic thermostats and emergency thermostat with manual reset and electrical overload protection
- Version W: Water coils designed for a maximum temperature of 100ºC and maximum pressure of 1.6Mpa

Version:
Environmental: Re-circulate air
Electric: Incorporates electrical resistances
Per water: Incorporates water batteries

External control
- Environmental version: Manual control by DM selector, included
- Electric version: Automatic control by DA selector, included
- Water batteries version: See section on control of curtains with water coils

Applications:
Design shops
Restaurants
Hotels
Landmark buildings
Banks
Shopping centres
Design offices


DM control


DA control

	DM	DA
Control	DM	DA
operation	manual	manual-automatic
Included	yes	yes
Speeds	3 speeds	3 speeds
Electrical battery control	no	lineal
Water battery control	no	lineal
Contact door	yes	yes
Contact Thermostat	no	no
Contact timer	yes	yes
Outdoor temperature sensor	no	yes
Led cleaning	yes	yes
Led door situation	yes	yes
Led electrical overload	no	yes
Interconnection curtains	max 6	max 6
Led operating indicator	yes	yes
Curtain with control selector connection	Communications cable	Communications cable

Order code

VCC-C	10	S	1	0
VCC-C: Design series	10: 100cm lenght 15: 150cm lenght 20: 200cm lenght	S: Environmental E: 400V Electrical W: Hot water	1: DM selector only for S version 2: DA selector only for E and W versions	0: Metallized silver

Technical characteristics

Model	Height door (m)	Maximum airflow (m^3/h)	Irradiated NPS dB(A)	Heat power (kW)	Voltage resistance (V)	Current resistance (A)	Fan voltage (V)	Current fan (A)	Weight (Kg)
VCC-C-10S-1	6	2550	50.50	-	-	-	1x230	1.50	29.00
VCC-C-15S-1	6	3825	53.00	-	-	-	1x230	2.00	41.00
VCC-C-20S-1	6	5100	54.50	-	-	-	1x230	2.50	50.00
VCC-C-10E-2	6	2500	50.50	9.50	3x400	14.5	1x230	1.20	32.00
VCC-C-15E-2	6	3750	53.00	15.00	3x400	22.5	1x230	2.00	45.00
VCC-C-20E-2	6	5000	54.50	19.00	3x400	28.5	1x230	2.50	54.00
VCC-C-10W-2	6	2400	50.00	20.10	-	-	1x230	1.20	37.00
VCC-C-15W-2	6	3600	52.50	31.60	-	-	1x230	2.00	52.00
VCC-C-20W-2	6	4800	54.00	42.00	-	-	1x230	2.50	62.00

Electrical battery technical characteristics

Model	Maximum airflow (m^3/h)	Heat power (kW)	Increase temperature (ºC)*
VCC-C-10E-2	2500	9.50	10.60
VCC-C-15E-2	3750	15.00	11.10
VCC-C-20E-2	5000	19.00	11.20

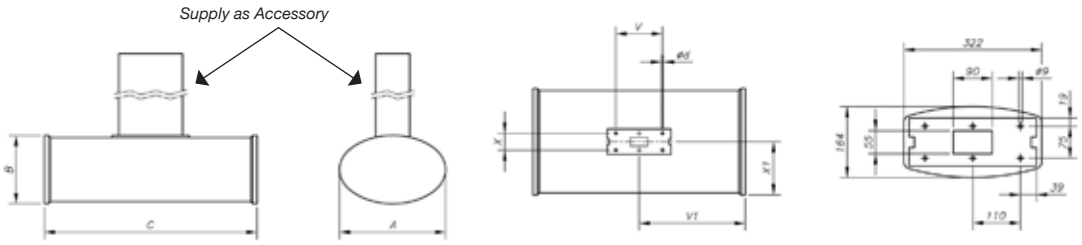
**Result achieved with maximum volume and maximum electrical power*

Water battery technical characteristics with temperature gradient 80/60ºC

Model	Maximum airflow (m^3/h)	Heat power (kW)*	Output temperature (ºC)	Water level (l/s)	Water pressure (kPa)
VCC-C-10W-2	2400	16.35	38.10	0.20	2.06
VCC-C-15W-2	3600	25.83	39.20	0.31	2.45
VCC-C-20W-2	4800	35.10	39.60	0.42	2.30

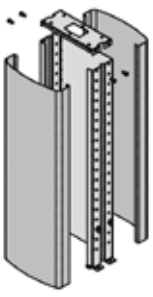
**Air inlet temperature +18ºC*

Dimensions in mm



Model	A	B	C	Ø d	V	V1	X	X1
VCC-C-10	520	350	1050	M8	220	520	75	240
VCC-C-15	520	350	1600	M8	220	800	75	240
VCC-C-20	520	350	2030	M8	220	1015	75	240

Accessory



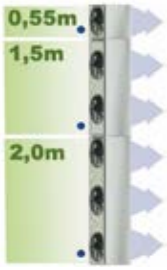
Support for suspending the curtain from the ceiling

The support for suspending the curtain from the ceiling must be ordered separately, specifying the desired colour and length

VCC-DR 10 1

- VCC-DR
- 10: 100cm lenght
  15: 150cm lenght
  20: 200cm lenght
- 0: Metallized silver
  1: Light metallic gold
  2: Dark metallic grey

INDUSTRIAL MODULAR



Modular build

ROV Control

ROD Control

RB control

Air curtains of modular construction for installing on industrial doorways up to 7m height and 11m wide, installing air curtains on both sides

Robust construction with modular design, in for maximum curtain size adjustment to the door and optimising the amount of air required and electrical power consumption.

Construction:
- Galvanized steel structure painted with polyester RAL-9010
- Designed to be installed in vertical or horizontal position
- 0.55m 1 fan module
- 1.5m 2 fans module
- 2m 3 fans module
- E version: Electrically heated coil controlled by automatic thermostats and emergency thermostat with manual reset and electrical overload protection
- W version: Water coils designed for a maximum temperature of 130ºC and maximum pressure of 1.6Mpa

Version:
- S: Environmental: Re-circulate air
- E: Electric: Incorporates electrical resistances
- T, H: Per water: Incorporates water batteries

External control on request:
- ROV: Basic 5-speed selector. No heating regulation.
- ROD: Basic 5-speed selector. Contact control from outside doorway available. No heating regulation.
- RB: Advanced 3-speed digital control selector. Compatible with electrical or water battery regulation.

Brackets on request:
- VCP-DK-01 : Set of 2 supports for vertical assembly on the floor.
- VCP-DH-01 : Set of 2 supports for horizontal assembly on the ceiling. Ask for 1 set of supports for each module to be assembled + 1 additional set of supports.

Order code

VCP-03	-	*055*	-	*S*	-	*O*
VCP-03: INDUSTRIAL MODULAR Series		055: Lenght (cm) 150: Lenght (cm) 200: Lenght (cm)		S: No heater battery E: Electrical battery T: Water battery 100ºC H: Water battery 130ºC		O: No antifreeze module P: With antifreeze module

Applications

Technical characteristics

Model	Height door (m)	Maximum airflow (m^3/h)	NPS 5m dB(A)	Heat* power (kW)	Battery voltage (V)	Battery consumption (I)	Fan voltage (V)**	Fan consumption (I)	Weight (Kg)
VCP-03-055-TO	6	2,650	72	12	-	-	3x400	0.6	37
VCP-03-055-TP	6	2,650	72	12	-	-	3x400	0.6	37
VCP-03-055-HO	6	2,650	72	14	-	-	3x400	0.6	37
VCP-03-055-HP	6	2,650	72	14	-	-	3x400	0.6	37
VCP-03-055-EO	6	3,250	70.2	6	3X400	9	3x400	0.6	29.5
VCP-03-055-SO	6	3,500	70.5	-	-	-	3x400	0.6	25
VCP-03-150-TO	6.5	5,250	70	23	-	-	3x400	1.3	99
VCP-03-150-TP	6.5	5,250	70	23	-	-	3x400	1.3	99
VCP-03-150-HO	6.5	5,250	70	27	-	-	3x400	1.3	99
VCP-03-150-HP	6.5	5,250	70	27	-	-	3x400	1.3	99
VCP-03-150-EO	6.5	6,350	68	12	3X400	18	3x400	1.3	79
VCP-03-150-SO	6.5	6,600	68	-	-	-	3x400	1.3	67
VCP-03-200-TO	7	8,100	69	34	-	-	3x400	2	133
VCP-03-200-TP	7	8,100	69	34	-	-	3x400	2	133
VCP-03-200-HO	7	8,100	69	41	-	-	3x400	2	133
VCP-03-200-HP	7	8,100	69	41	-	-	3x400	2	133
VCP-03-200-EO	7	10,000	67	18	3X400	27	3x400	2	106
VCP-03-200-SO	7	10,200	67	-	-	-	3x400	2	90

** Heating power with water circuit 90/70ºC and air intake at 18ºC.*

*** 3 wires + ground connection. External control accessories may requiere additional neutral cable.*

Electrical battery technical characteristics

Model	Maximum airflow (m^3/h)	Heat power (kW)	Increase temperature (ºC)*
VCP-03-055-EO	3,250	6	4.5
VCP-03-150-EO	6,350	12	4.9
VCP-03-200-EO	10,000	18	4.9

Water battery technical characteristics with temperature gradient 80/60ºC

Model	Maximum airflow (m^3/h)	Thread connection	Heat power (kW)	Output temperature (ºC)	Water level (l/s)	Loss of load (kPa)
VCP-03-055-T	2650	2 x ¾"	12	27	0.12	3.07
VCP-03-150-T	5250	2 x ¾"	23	27	0.22	5.17
VCP-03-200-T	8100	2 x ¾"	34	26	0.34	6.55

Air inlets to +15ºC

Water battery technical characteristics with temperature gradient 130/70ºC

Model	Airflow ref. (m^3/h)	Thread connection	Heat power (kW)	Output temperature (ºC)	Water level (l/s)	Loss of load (kPa)
VCP-03-055-H	2650	2 x ¾"	14	33	0.06	0.75
VCP-03-150-H	5250	2 x ¾"	27	33	0.11	1.24
VCP-03-200-H	8100	2 x ¾"	41	33	0.16	1.59

Air inlets to +15ºC

Technical characteristics INDUSTRIAL MODULAR controls

ROV Control

ROD Control

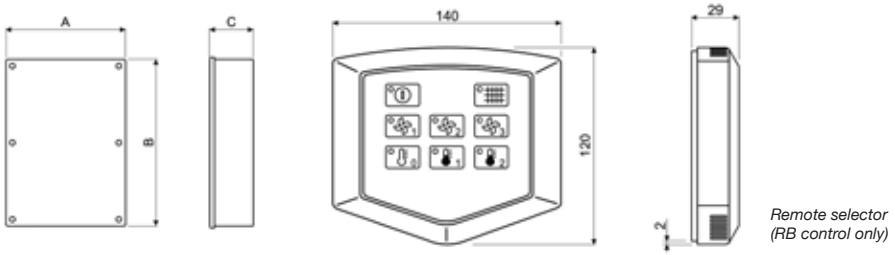
RB control

Optional controls (control - battery)	**ROV – S**	**ROD-S**	**RB-S**	**RB-E**	**RB-T,H**
Control type	Manual	Manual	Manual	Manual	Manual
Speeds	5	5	3	3	3
Electrical battery regulation in the control	NO	NO	NO	2 levels	NO
Electrical battery cooling control	NO (*1)	NO (*1)	NO (*1)	NO (*1)	ON/OFF(*2)
Contact door	NO	DS Accessory	DK-1 Accessory	DK-1 Accessory	DK-1 Accessory
External control contact	NO	Contact door	Contact free voltage	Contact free voltage	Contact free voltage
Electrical battery cooling control	NO	NO	NO	YES	NO
Anti-frost control	NO	NO	YES	YES	YES
Visual operating indicator	NO	ON/OFF only	YES	YES	YES
Module interconnection	NO	NO	Up to 6 modules (*3)	Up to 6 modules (*3)	Up to 6 modules (*3)
Connection from curtain to control	Power cable (400V)		Power cable (400V)	Power cable (400V)	Power cable (400V)
Cable from selector to control	-	-	10 m cable included. Up to 40 m optional (Acc. KABEL)		
Max. nº of ventilators (*4)	10	14	6 ventilators for each RB control cabinet		

*(*1) A TV1-1/1 thermostatic valve separate from the selector may be used*
*(*2) Requires a ZV-3 3-way valve*
*(*3) Requires more than one RB module and a KABEL connection cable between modules.*
*(*4) There are several sizes for each control. The maximum number of supported ventilators for each type of control.*

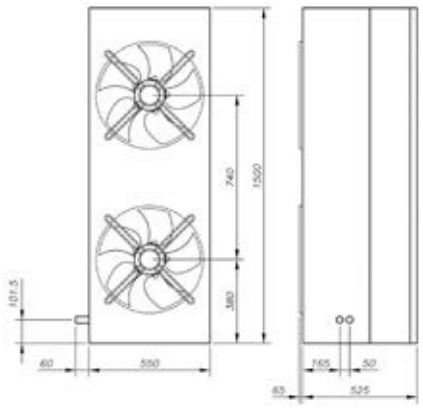
Model	**Power supply**	**IP protection**	**Max. current (A)**	**Dimensions in mm AxBxC**	**Weight (Kg)**
ROV-D2	3x400 + neutral	40	2	240x310x110	12
ROV-D4	3x400 + neutral	40	4	240x310x110	12
ROV-D7	3x400 + neutral	40	7	300x380x180	16
ROD-B2	3x400 + neutral	40	2	185x305x175	12
ROD-B4	3x400 + neutral	40	4	185x305x175	12
ROD-B7	3x400 + neutral	40	7	305x375x175	16
ROD-B9	3x400 + neutral	40	9	305x490x175	22
RB3-4A	3x400 + neutral	55 (*)	4	240x310x110	11.8

(*) The remote selector is IP20

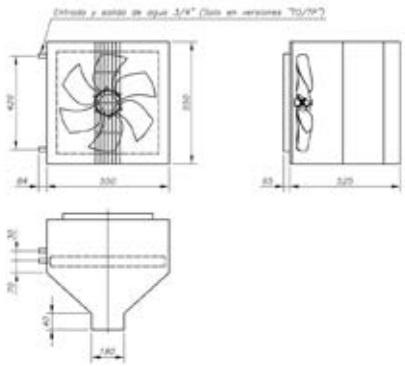


Remote selector (RB control only)

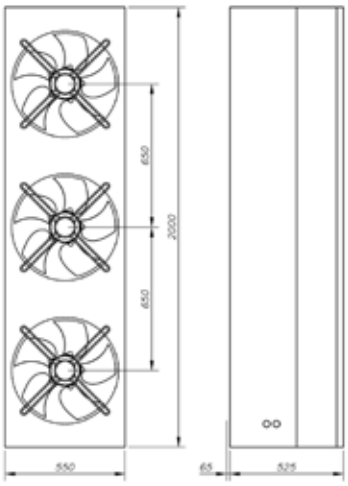
Dimensions in mm



Model
VCP-03-150-TO
VCP-03-150-TP
VCP-03-150-HO
VCP-03-150-HP
VCP-03-150-EO
VCP-03-150-SO



Model
VCP-03-055-TO
VCP-03-055-TP
VCP-03-055-HO
VCP-03-055-TP
VCP-03-055-EO
VCP-03-055-SO



Model
VCP-03-200-TO
VCP-03-200-TP
VCP-03-200-HO
VCP-03-200-TP
VCP-03-200-EO
VCP-03-200-SO

Horizontal assembly

Vertical assembly

Accessories

VCP-DK-01

VCP-DH-01

DS

DK-1

TV1-1/1

ZV-3

MV-3

TER-P

KABEL

ROV Control

ROD Control

RB control

ACCESSORIES

External controls for curtains

Curtains can be controlled remotely using the outside selector to operate these manually or automatically. Most curtains include a specific selector; however, with others it is necessary to request the desired selector depending on the application.

RF

Remote selector for manual control through radio-frequency

- Remote control to manually control the curtain.
- Available for curtains with and without electrical batteries.
- Controls multiple curtains at the same time through radio-frequency.
- Compatible with: BASIC, COMERCIAL, OPTIMAL

SM

Wall selector for manual control using a 230V cable

- Manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- 3 fan speeds.
- 2 battery power levels
- Controls the equipment as a power switch (230V).
- Compatible with: BASIC, COMERCIAL, OPTIMAL, EMPOTRABLE

DMT

Touch wall selector for manual control using a data cable

- Manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- Allows control electrical and water batteries.
- Allows control up to 6 curtains linked wirelessly.
- Button-free touch pad
- 3 fan speeds.
- 2 battery power levels
- RJ-12-type data cable
- Compatible with: BASIC, COMERCIAL, OPTIMAL

DMRF

Wall-mounted selector for manual control through radio-frequency

- Manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- Allows control electrical and water batteries.
- Allows control up to 6 curtains linked wirelessly.
- 3 fan speeds.
- 2 battery power levels
- Radio-frequency control
- Compatible with: EMPOTRABLE

DARF

Wall-mounted selector for automatic control through radio-frequency

- Manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- Allows control electrical and water batteries.
- Allows control up to 6 curtains linked with or without wires.
- 3 fan speeds.
- 2 battery power levels
- Radio-frequency control
- Compatible with: EMPOTRABLE

DM

Wall-mounted selector for manual control using a data cable

- Manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- Allows control electrical and water batteries.
- Allows control up to 6 curtains linked with or without wires.
- 2 external contacts for remote control.
- 3 fan speeds.
- 2 battery power levels
- Compatible with: VERTICAL, DISEÑO

DA

Wall selector for automatic control using a data cable

- Manual or automatic control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- Allows control electrical and water batteries.
- Allows control up to 6 curtains linked with or without wires.
- 2 external contacts for remote control.
- 3 fan speeds.
- 2 battery power levels
- Compatible with: DISEÑO

ROV

Cabinet for manual control using a 400V cable

- Cabinet for manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- 5 fan speeds.
- Controls the equipment as a power switch (400V).
- Compatible with: INDUSTRIAL

ROD

Cabinet for manual control using a 400V cable

- Cabinet for manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- 5 fan speeds.
- Motor thermal protector connection
- Status display
- Contact for external control
- Controls the equipment as a power switch (400V).
- Compatible with: INDUSTRIAL

RB

Cabinet for manual control using a data cable and external selector

- Cabinet for manual control of the curtain to be mounted on the wall.
- Available for curtains with and without electrical batteries.
- Allows control electrical and water batteries.
- Allows control up to 6 curtains linked with or without wires.
- 2 external contacts for remote control.
- 3 fan speeds.
- 2 battery power levels
- Compatible with: INDUSTRIAL

Remote control | Wall-mounted control | Radio-frequency | Data cable | Power cable

Interconnection of curtains and electrical circuit diagrams

The interconnection of the curtains makes it possible to control several units using the same remote selector so that these all operate at the same time and in the same way.

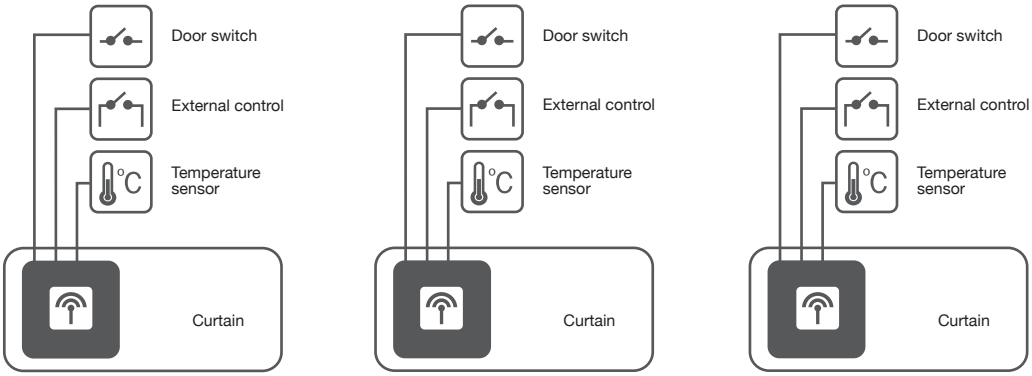
Due to the range of the wireless selector the curtains that are linked wirelessly are limited in terms of the maximum number of units that can be interconnected.

If a cable is used to link the curtains up to six units can be interconnected. In the case of the INDUSTRIAL type it is possible to link up 6 RB controls, and each one of these can control several curtain modules.

When cables are used to form the interconnections, choose one curtain as the main master curtain and connect this to the external control panel using the communication cable supplied. The rest of the curtains should be linked up using the KABEL accessory cable, indicating the necessary length.

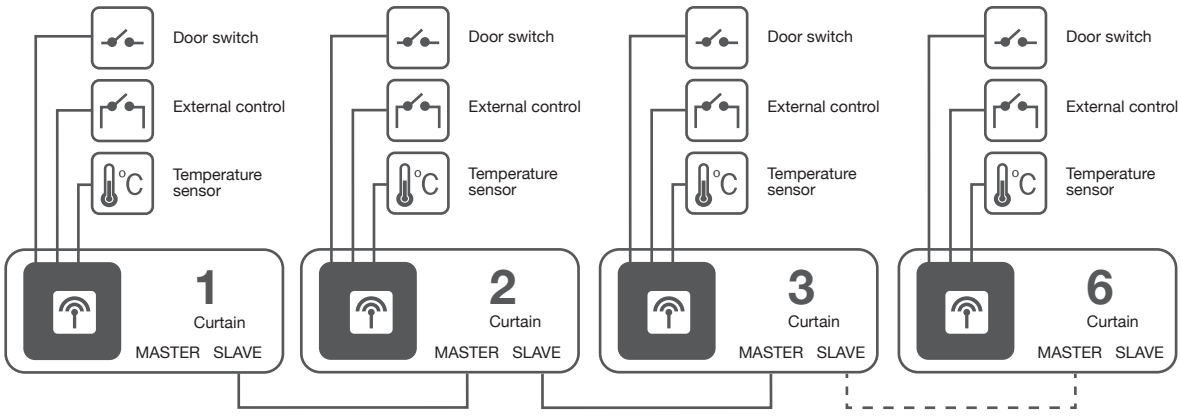
The external control selector connected to the main curtain and to the external contacts will control all of the curtains at the same time.

DMRF built-in / DARF built-in / RF Basic

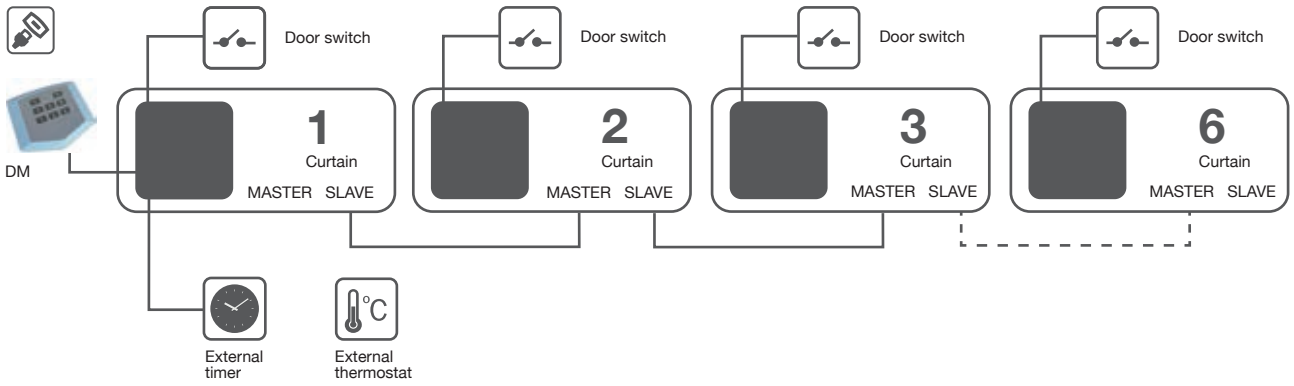


* Temperature sensor and external control only available for DARF

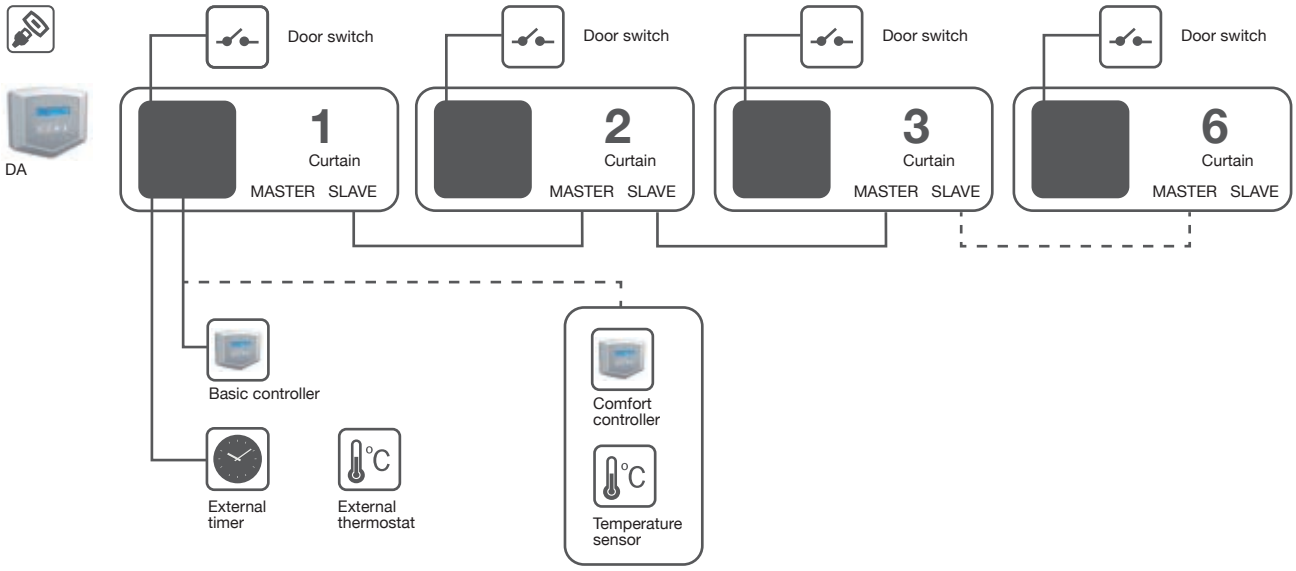
DARF built-in



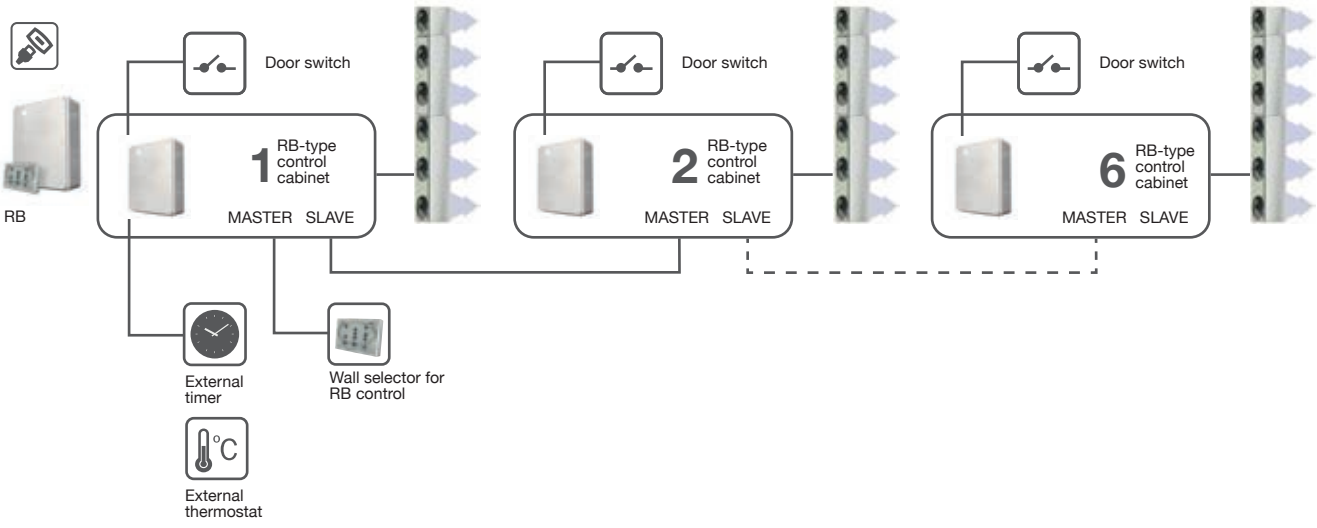
DM Vertical / DMT Comercial / DMT Optimal



Diseño



RB Modular Industrial



Control Accessories

DS

Contacts for doors

- Contact for doors that acts as a 230V voltage switch.
- Compatible with SM, RO, ROV selectors

DK-1

Contacts for doors

- Contact for doors that acts as a 12V, 30mA voltage switch.
- Compatible with DM, DA, DMRF, DARF selectors

TER-P

Room temperature thermostat

- Activates the air curtain based on the temperature of the premises; can be connected to the air curtain's external contact.
- Depending on the model, this makes it possible to control the power level of the electrical or water batteries. See manuals for further information.
- Compatible with curtains that have external contacts

SH-TM-848

Timer with weekly programme

- The operating times of the curtains can be programmed for the entire week.
- Can be connected to the air curtain's external contact.
- Compatible with SM, DM, DA, DARF selectors

KP-VCE

Data cable

- Data cable to connect the DMT control with the curtain.
- Standard 10 m length supplied with a DMT control. Available up to 30 m.
- Compatible with DMT selectors

KABEL

Data cable

- Data cable to link curtains so these can be operated using just one selector.
- Lengths available up to 40 m.

Actuators to control water batteries

TV1-1/1

Thermostatic valve TV1-1/1

- Provides proportional temperature control of the water in the curtain's coils.
- The valve will be installed in dry areas, where the ambient temperature is between +5ºC and +60ºC. The water temperature can be set to between 0ºC and +90ºC, with a maximum pressure of 0.1 MPa
- Compatible with all curtains with water batteries

ZV-3

3-way thermostatic valve, with ZV-3 servomotor

- Provides proportional temperature control of the water in the curtain's coils through a 3-way valve and servomotor. The valve will be installed in dry areas, where the ambient temperature is between +5ºC and +60ºC. The water temperature can be set to between 0ºC and +110ºC, with a maximum pressure of 0.1 MPa
- Compatible with all curtains with water batteries

SMU

Mixed control system SMU

- This system provides energy savings by checking on and controlling the proportion of hot water in the curtain's coils' supply and return circuits and the temperature of the premises. This system can control several curtains simultaneously, provided that they are all of the same size and connected in parallel. It consists of two shut-off valves, a mixed valve with servo-actuator, two flexible tubes, two thermometers and a pump, to be installed in hot water pipes. Also includes an ambient sensor and a control panel
- Compatible with INDUSTRIAL

MV3

Mixing valve with servo

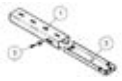
- This system provides energy savings by checking on and controlling the proportion of hot water in the curtain's coils' supply and return circuits and the temperature of the premises. This system can control several curtains simultaneously, provided that they are all of the same size and connected in parallel. Incorporates a double valve with a servo-actuator.
- Compatible with BASIC, COMERCIAL, OPTIMAL

Brackets

VCS4-KONZ-STE

Supports for wall assembly

- Set of 2 supports for wall assembly
- Compatible with EMPOTRABLE curtain



VCS4-KONZ-STR

Supports for assembly ceiling

- Set of 2 supports for ceiling assembly
- Compatible with EMPOTRABLE curtain

VCC-DR

Support for suspending the DISEÑO curtain from the ceiling

- The support for suspending the curtain from the ceiling must be ordered separately, specifying the desired colour and length
- Compatible with DISEÑO curtain

VCP-DK-01

Set of 2 feet for mounting the INDUSTRIAL curtain vertically

- Set of 2 feet for supporting the industrial curtain in a vertical position
- 1 set for each curtain
- VCP-DK-01
- Compatible with INDUSTRIAL curtain

VCP-DH-01

Set of 2 bolts to assemble the INDUSTRIAL curtain horizontally

- Set of 2 feet for supporting the industrial curtain in a horizontal position
- 1 set of 2 supports + 1 additional set will be needed for each module.
- VCP-DH-01
- Compatible with INDUSTRIAL curtain

ASSEMBLY AND INSTALLATION

- The air curtain shall be assembled as close as possible to the upper edge of the doorway in the case of horizontal curtains and in the case of vertically assembled ones, as close as possible to the side edge of the doorway (see figure 1)
- To ensure these work correctly, the curtain should overlap approximately 100 mm each side of the doorway (see figure 2)
- The minimum recommended distance between the curtain and the ceiling is 50 mm
- Any obstacle close to the curtain must be placed at a distance of at least 200 mm to ensure that this does not interfere with its operation
- In the case of the electrical and water versions, remember to take into consideration the outlet side of the electrical connections and water from the batteries during assembly
- Assembly can be carried out using support arms or using rods hanging from the ceiling (see the Accessories Section)
- The electricity connection cables and electrical wire to join the curtains and the SM control are not supplied. It is the installer who will set up the connection.
- The communication cables between curtains and those used to link the curtain to the DM and DA control are supplied with the curtain (5 m long). For longer lengths, see the Accessories Section

General installation diagram for the air curtains

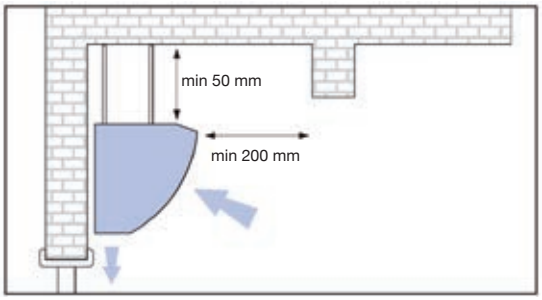


Figure 1

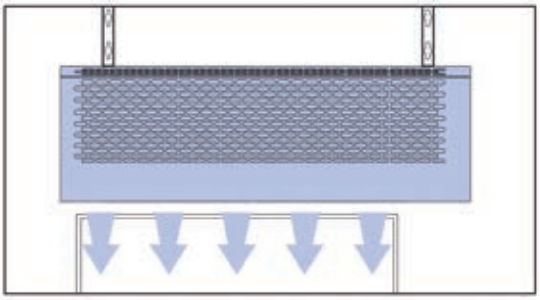


Figure 2

General installation diagram for the industrial series air curtains

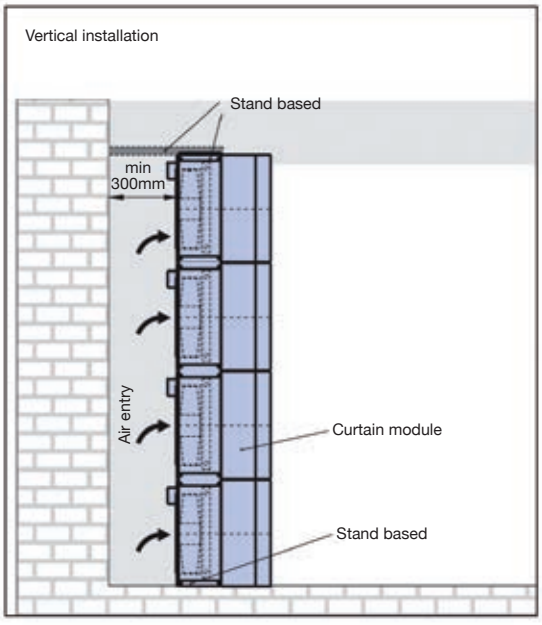


Figure 3

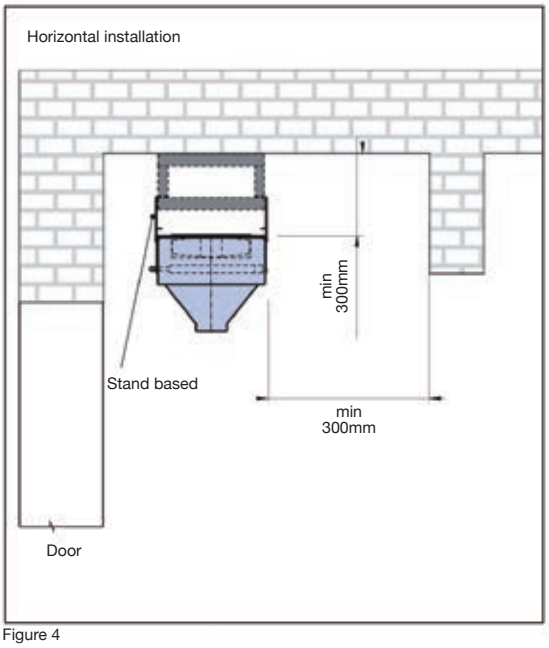


Figure 4

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Alphabetical index of ACCESORIES

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