

# EMPOTRABLE

Recessed air curtains for commercial doors up to 4 m high



BASIC



COMFORT

Special design for installing the air curtain in technical ceilings with an inlet impulsion grille that requires little maintenance.

Construction:

- Metal structure painted in RAL-9016 polyester.
- Widths of 1, 1.5, 2 and 2.5 m.
- Horizontal installation.
- Outlet grill with adjustable inclination.
- Door height up to 4 meters.

Battery version:

- S: Environmental. Air recirculation.
- E: Electric. Control of the electric battery with up to 2 stages.
- V: Water. Hot water batteries. For a maximum temperature of 100 °C and 16 bar pressure.

Fan:

- 3 speed for flow rate adjustment.

Control version:

- BA: BASIC. Manual selector for wall installation.
- CO-MA: COMFORT-MASTER. Advanced digital selector for wall installation.

On request:

- Air curtains with COMFORT 'SLAVE' control only to interconnect a maximum of 10 'SLAVE' curtains to a 'MASTER' main curtain.
- Brackets for wall mounting. Ref: VCS4-KONZ-STE.
- Brackets for ceiling mounting. Ref: VCS4-KONZ-STR.

## Control options

Control type	BASIC	BASIC	BASIC	COMFORT	COMFORT	COMFORT
Battery type	S	V	E	S	V	E
Electric battery control accessory	-	-	TER-P	-	-	TER-P
Water battery control accessory	-	TER-P + 3-way valve	-	-	TER-P + 3-way valve	-
Door contact control accessory	DS	DS	DS	DS / DK-1 / DK-B-3	DS / DK-1 / DK-B-3	DS / DK-1 / DK-B-3
External control voltage free contact	Door contact	Door contact	Door contact	Dedicated contact	Dedicated contact	Dedicated contact
Alarm contact	-	-	-	YES	YES	YES
Programmer	SH-TM-848	SH-TM-848	SH-TM-848	Integrated	Integrated	Integrated
Battery cooling control	-	-	YES	-	-	YES
Interconnection curtains	-	-	-	Max. 11 units	Max. 11 units	Max. 11 units
MODBUS RTU communication	Accessory OE-M-AC3	Accessory OE-M-AC3	Accessory OE-M-AC3	YES	YES	YES
Remote control connection	Max. power cable 100 meters			UTP cable 4 wires max. 40 meters		
Possibility of additional control	-	-	-	YES	YES	YES
Power cables	2 + ground	2 + ground	4 + ground	2 + ground	2 + ground	4 + ground

## Order code

<b>EMP</b>	-	<b>B</b>	-	<b>100</b>	-	<b>S</b>	-	<b>BA</b>
↓		↓		↓		↓		↓
EMPOTRABLE: Recessed air curtains for commercial doors up to 4 m high		B: Height up to 4 m		100: Length cm 150: Length cm 200: Length cm 250: Length cm		S: No heater battery E: Electrical battery V: Water battery		BA: BASIC manual selector CO-MA: COMFORT MASTER advanced control

## Technical characteristics

Model	Height door	Maximum flow rate	Sound pressure level <sup>1</sup>	Power equipment	Equipment consumption	Motor consumption	Heater power (kW)		Increase temperature	Approx. weight
	(m)	(m <sup>3</sup> /h)	dB (A)	(V) / (Hz)	(kW) / (l)	(W) / (l)	1st stage	max.	(°C)	(Kg)
EMP-B-100-S	4	1790	58	1x230 / 50	0.6 / 2.8	630 / 2.8	-	-	-	38
EMP-B-150-S	4	2590	60	1x230 / 50	0.9 / 4.0	900 / 4.0	-	-	-	51
EMP-B-200-S	4	3480	62	1x230 / 50	1.2 / 5.3	1200 / 5.3	-	-	-	66
EMP-B-250-S	4	4310	63	1x230 / 50	1.5 / 6.5	1500 / 6.5	-	-	-	80
EMP-B-100-E	4	1780	58	3x400 / 50	10.1 / 16.3	630 / 2.8	4.6	9.4	15.7	40
EMP-B-150-E	4	2550	60	3x400 / 50	16.0 / 26.1	920 / 4.0	7.6	15.0	17.5	55
EMP-B-200-E	4	3440	61	3x400 / 50	20.5 / 32.4	1220 / 5.3	9.8	19.0	16.4	71
EMP-B-250-E	4	4190	63	3x400 / 50	26.1 / 42.2	1500 / 6.5	12.5	24.5	17.4	85
EMP-B-100-V	4	1690	58	1x230 / 50	0.6 / 2.8	630 / 2.8	-	24.8	36.2	41
EMP-B-150-V	4	2450	60	1x230 / 50	0.9 / 4.0	900 / 4.0	-	38.8	38.1	56
EMP-B-200-V	4	3390	61	1x230 / 50	1.2 / 5.3	1200 / 5.3	-	52.6	37.6	73
EMP-B-250-V	4	4060	63	1x230 / 50	1.5 / 6.5	1500 / 6.5	-	62.3	37.3	87

1. Sound pressure level in dB(A) at a distance of 3 m and at maximum flow rate.

## Water battery technical characteristics and 3-way valves accessories

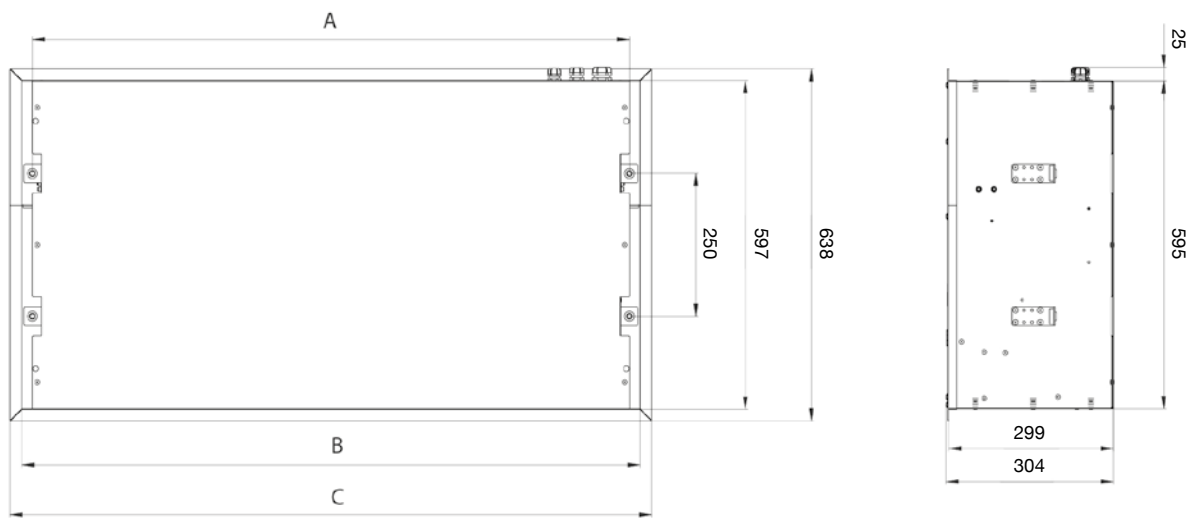
Model	Airflow ref. (m <sup>3</sup> /h)	Thread connection	Temperature gradient 80/60 °C				Temperature gradient 60/40 °C				3-way valve accessory
			Heat power (kW)	Outlet temperature (°C)*	Loss of load (kPa)	Water level (l/s)	Heat power (kW)	Outlet temperature (°C)*	Loss of load (kPa)	Water level (l/s)	
EMP-B-100-V	1690	G 3/4"	16.8	47.7	8	0.2	9.3	34.4	4	0.1	ZV-3
EMP-B-150-V	2450	G 3/4"	25.9	49.5	16	0.3	14.9	36.1	8	0.7	ZV-3
EMP-B-200-V	3390	G 3/4"	35.1	49.0	13	0.4	20.0	35.7	6	0.2	ZV-3
EMP-B-250-V	4060	G 3/4"	41.8	48.7	10	0.5	23.7	35.4	5	0.3	ZV-3

\* Air inlet temperature: +18 °C, at maximum heating and fan speed.

## Air speed and range

Model	0 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m
EMP-B	7.7 m/s	4.8 m/s	3.5 m/s	3.0 m/s	2.5 m/s	2.2 m/s	2.0 m/s	-

## Dimensions mm

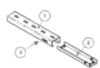


	A	B	C
EMP-100	1085	1125	1167
EMP-150	1585	1625	1667
EMP-200	2085	2125	2167
EMP-250	2465	2505	2547

## Accessories



VCS4-KONZ-STE



VCS4-KONZ-STR



CONTACTO  
PUERTAS



TER-P



ZV