



PARTNER
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2VV.CZ

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Recessed Air Curtain



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Applications

- Airports
- Banks
- Shopping centres
- Administrative buildings



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Types and lengths

- **Versions:**

- Water
- Electric
- Air-only



- **Lengths:**

- 1 m
- 1,5 m
- 2 m
- 2,5 m

- **Output range:**

- B
- C

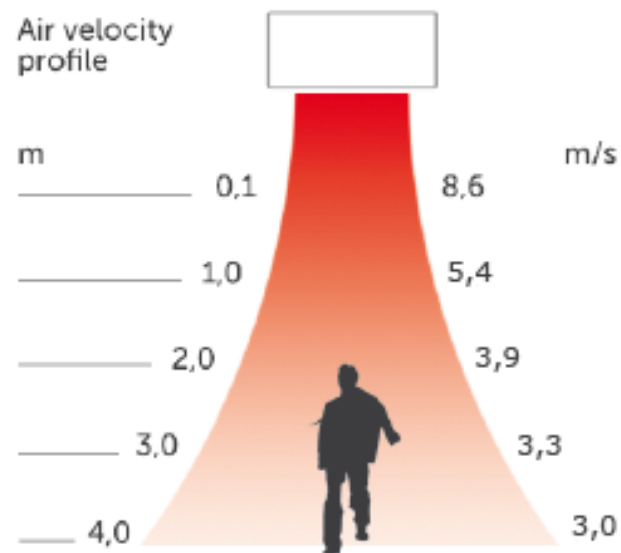
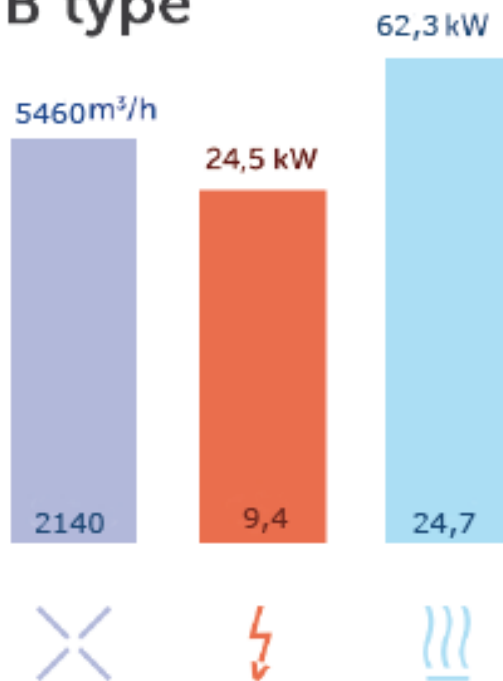


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Installation - B series

- Recommended installation height up to **4 metres**
**) it varies depending on the relevant premises*

B type

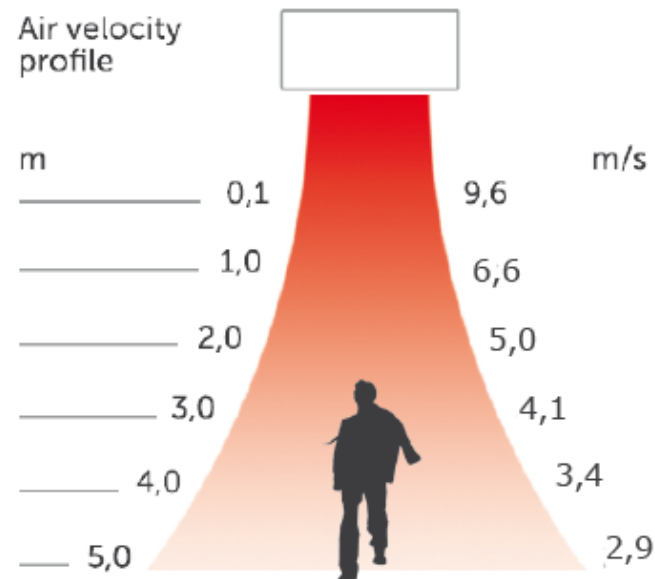
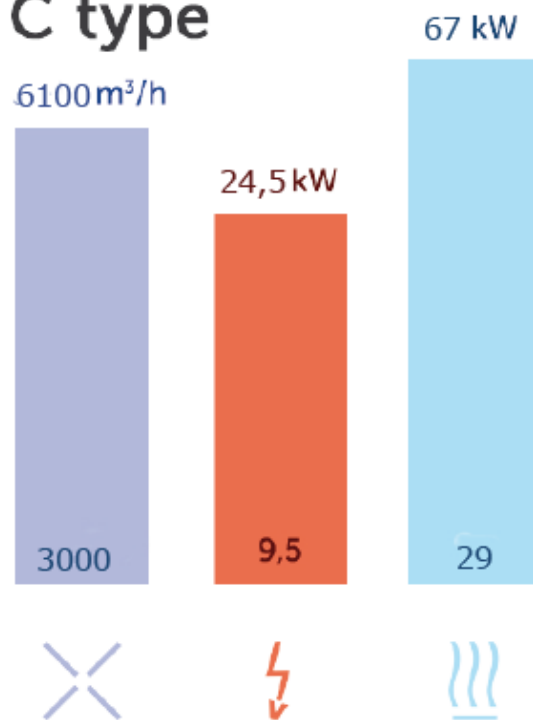


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Installation - C series

- Recommended installation height up to 5 metres
 - *) it varies dependina on the relevant premises*

C type



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Suction grille - FACE 2 in 1



- Air suction + filter = 2 in 1
 - Suction grille with 75% open surface = guarantee of maximum air suction
 - Filter - protects the components inside the curtain against dirt and dust
- Easy maintenance/cleaning

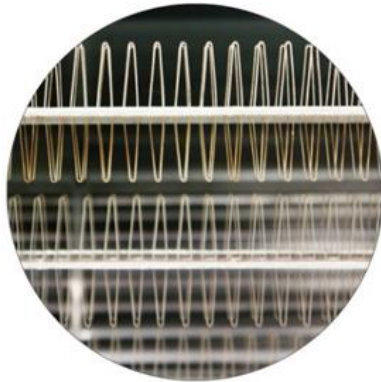


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Electric version

Wire heater

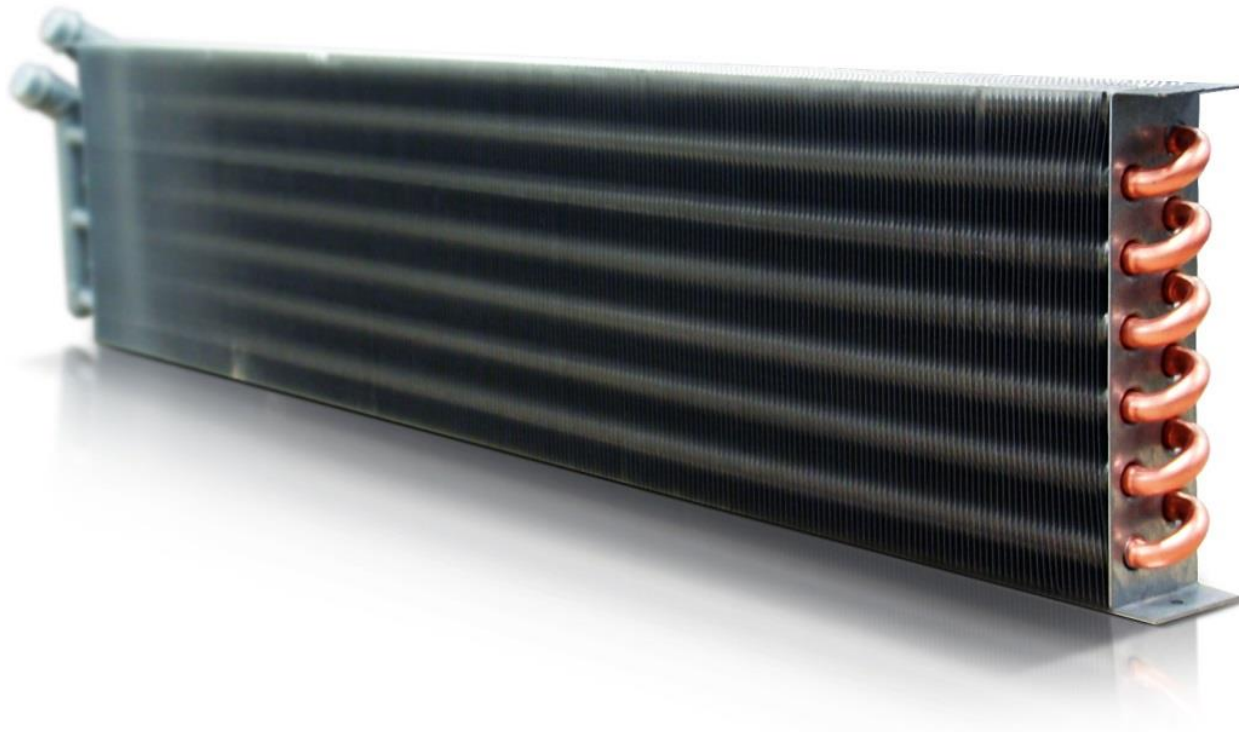
- **ZIG-ZAG** Technology
- Immediate heating output
- **40** seconds  **100%** output
- Own working thermostat  higher safety



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Water version

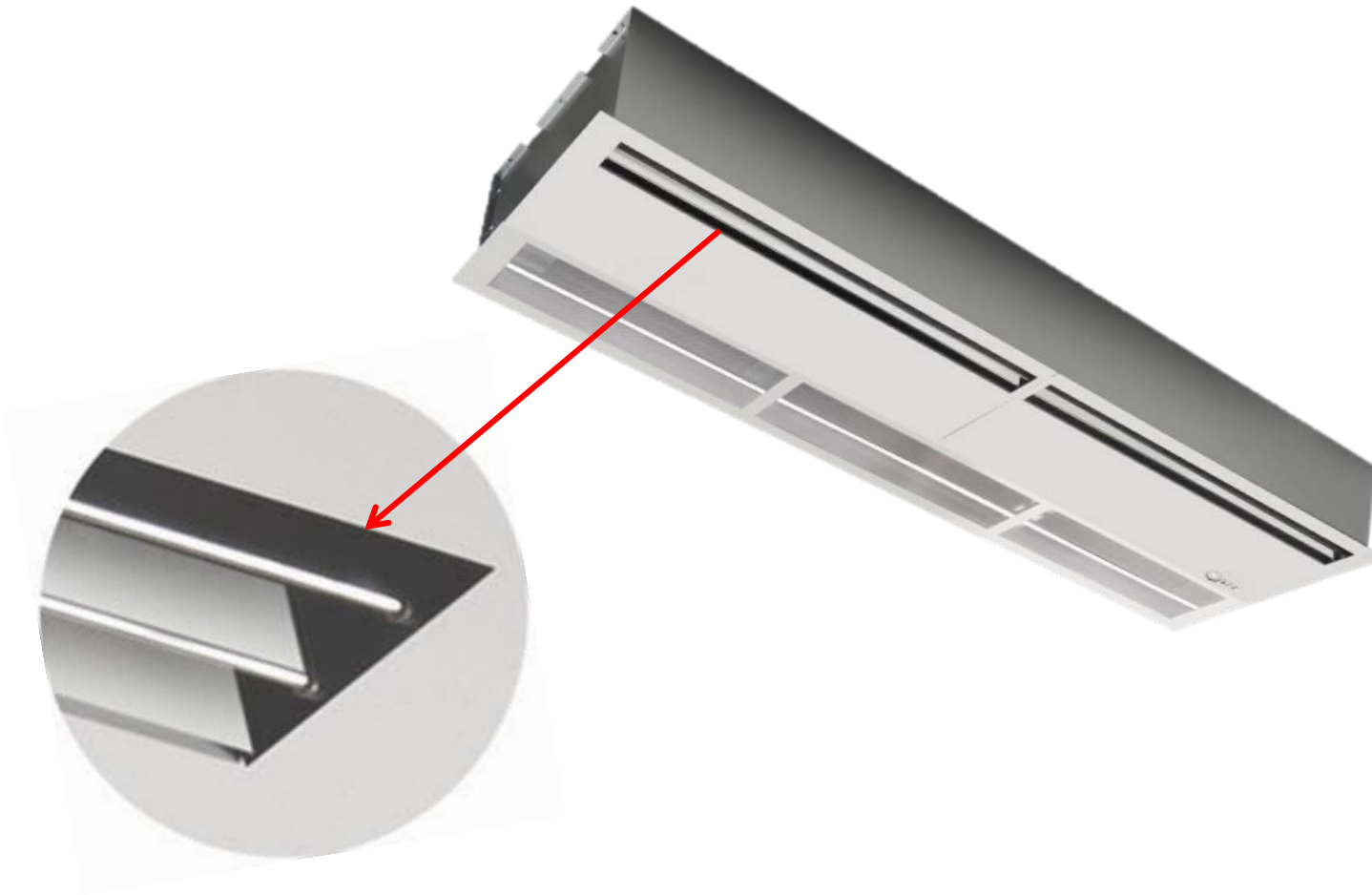
- 2-row water coil in standard (B and C series)
- 6-row water coil for lower temperature gradient (C series only)



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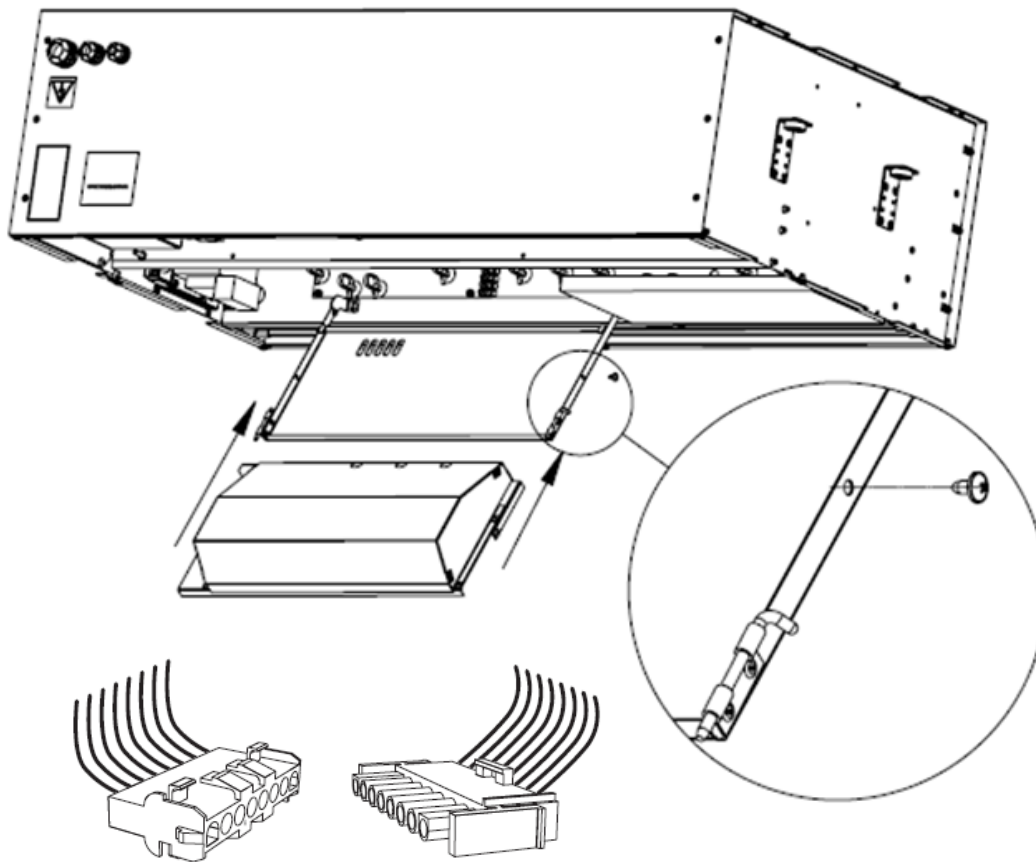
Exhaust

- Adjustable blades



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Controls – Modular system



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AirGENIO Control options

- BASIC
 - COMFORT
 - SUPERIOR
-
- Unified controls thru the whole **2VV** air curtains range



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BASIC controls

- Manual power control (230V)
- **3** fan speeds
- **2** steps of electrical heating
- Open/close water valve
- Connection
 - Door switch (DS)
 - Room thermostat (TER-P)
 - Thermostatic valve or 3-way valve (1 DHW/)



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COMFORT controls



- Coloured touch screen display with NFC
- **3** fan speeds
- **2** steps of electrical heating
- Open/close water valve
- Chaining up to **10+1 pcs** air curtains
- Integrated timer
- **BMS connection (ModBUS RTU)**
- Connection options:
 - Door switch
 - Room thermostat (TER-P)
 - 3-way valve (LPHW)



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SUPERIOR controls



- Coloured touch screen display with NFC
- **3** fan speeds
- **PWM** electrical heating
- 0-10V output for 3-way valve
- Chaining up to **10+1 pcs** air curtains
- Integrated timer
- **BMS** connection (ModBUS RTU, ModBUS TCP)
- Connection options:
 - Room thermostat
 - Door switch
 - 3-way valve for LPHW



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SUPERIOR controls - for maximal efficiency



- Automatic or manual **control of fan speed and heating output (based on signal from up to 5 temperature sensors)**
- Night heating reduction
- Summer heating mode
- Self-learning mode
- Settable door regime
- User mode
- Selective switch-off of slave modules



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MagiCloud

- FINESSE is available  MagiCloud

☰ 4 VARIANTS

VCF-B-E (VCF-B-100-E-ZP-0-0)

3D IMAGE DIMENSIONS

PRODUCT



Manufacturer name	2VV
Edited date	01/06/2014
Active power [W]	10520
Dimensions [mm]	1166 x 638 x 304
Electric active power [W]	10520
IP class	20

● MagiCAD Certified


Electric >> Equipment


Air curtain FINESSE, ouput series B, electric heater

 RFA

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 DXF

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Building design with 2VV has never been easier...



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Choose&GO

- Easiest way how choose proper type of air curtain for specific installation
- All important information's are part of software
- Selected air curtain can be exported to the pdf file which can be used also as offer

The screenshot shows the '2W - Choose&GO' software window. The interface includes a menu bar (File, Calculators), a tabbed navigation system (HRU units, Ventilation units, Air curtains, Summary results, Unit characteristics, Details, Controls + accessories, Noise characteristics), and a main configuration area. The 'Air curtain installation method' section offers four options: Horizontal installation, Horizontal installation - ceiling (selected), Vertical installation, and Two-sided vertical installation. Dimensions A=5m, B=2m, and C=0m are entered. A 'Chained air curtains' checkbox is checked with a value of 1. Temperature inputs are Ti=20°C and Te=-2°C. The 'Type of heater' section has 'Without heater', 'Water heater', and 'Bi. heater' (selected) options. A 'Wind speed in door opening' section shows three diagrams with the first one selected. The 'Air curtain temperature output' is set to 35°C. A 'Solve' button is at the bottom. The right panel displays the selected model 'VCF-B-200-E-ZP-0-0', a list of suitable units, documentation links (PDF output, 2D CAD file, Technical data sheet, Dimensional scheme - log), a 3D model of the unit, and a table of basic parameters and current values.

Basic parameters	
Height	304 mm
Width	638 mm
Length	2166 mm
Weight	71 kg
Maximal airflow	4355 m ³ /h
U	400-50 V-Hz

Current values	
Maximal airflow	4355 m ³ /h

Description of the unit
Discrete and high-performance recessed air curtain for use in entrance areas of banks, administrative centres, luxury boutiques, shopping centres and airport halls with a recommended installation height up to 5 m. The air curtain shall be installed indoor in a dry area with ambient temperatures ranging from +5 °C up to +40 °C and relative humidity of up to 80 %. It is designed for conveying air free of fine dust, grease, chemical fumes, and other impurities.

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Main advantages

- Low built-in height
- **AirGenio** controls
- Adjustable blades
- Great performance
- Low noise level
- Easy maintenance



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References



Thank you for your attention!

