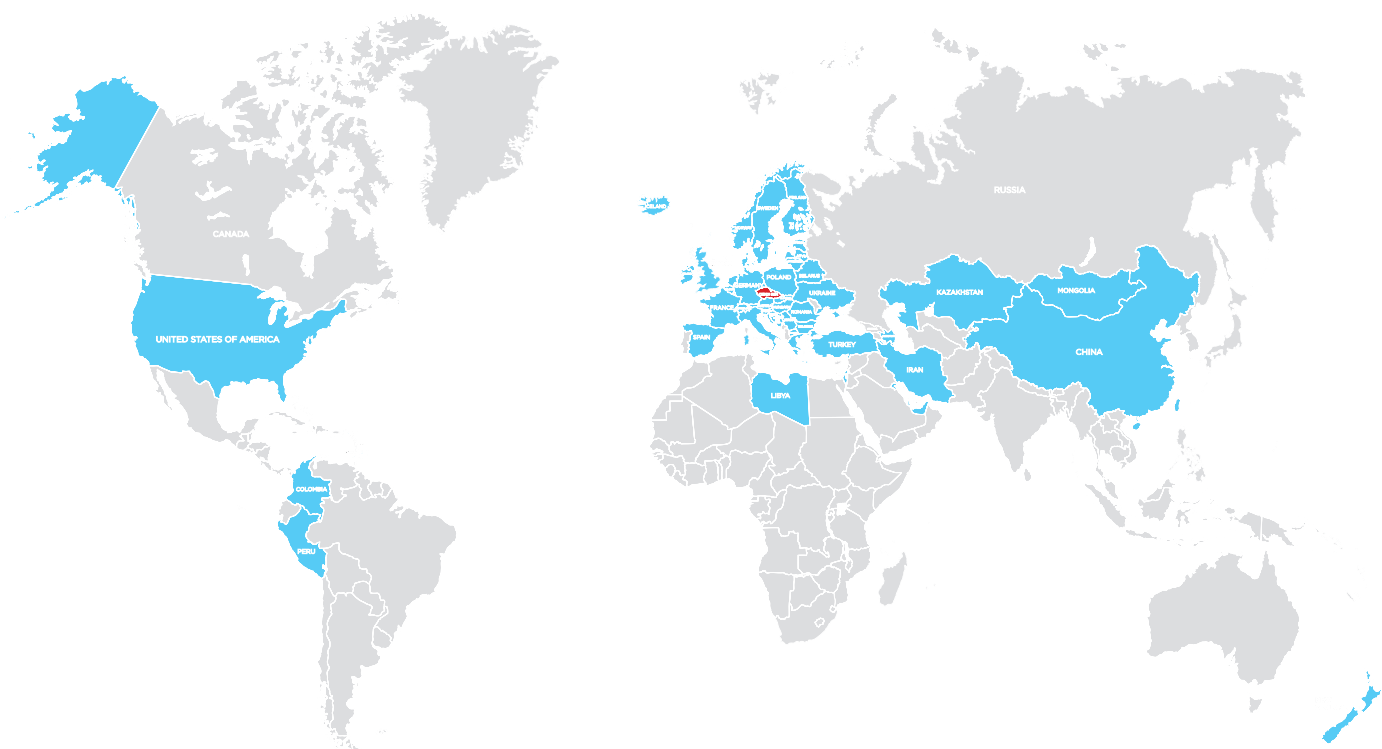


HEAT RECOVERY UNITS

Since 2005

FRESH AIR. EVERYWHERE.



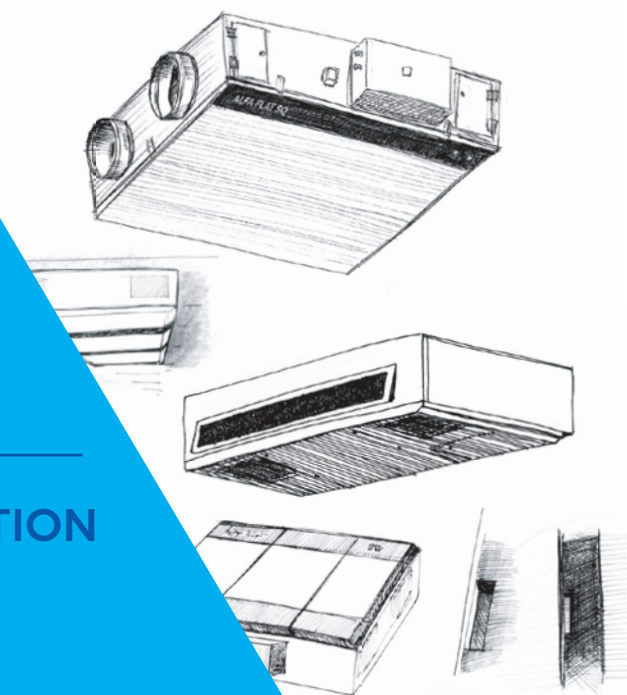
DISTRIBUTORS IN 45 COUNTRIES AROUND THE WORLD

- A leading European manufacturer of Air Curtains, Air Handling and Heat Recovery Units and wide range of HVAC products
- Creating efficient solutions since 1995
- Innovative, specialized, focused approach
- In-house R&D
- European quality
- Worldwide presence



WE DESIGN SILENCE

FROM CONCEPT TO CREATION



At 2VV, we recognize silence as a base stone of quality in ventilation systems. From concept to creation, we prioritize acoustic performance, treating low sound level as an essential feature, not an extra. This commitment ensures our products deliver exceptionally quiet operation, creating serene and comfortable environments.

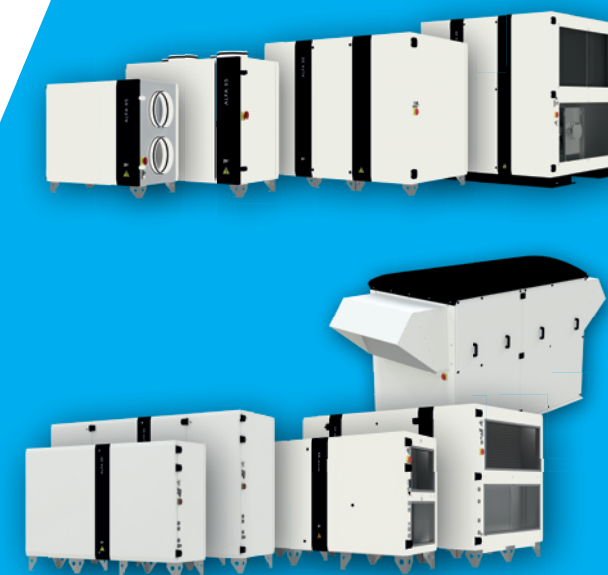
At 2VV, energy efficiency is at the core of our design philosophy. We select high-performance fans and advanced heat recovery cores to maximize savings while maintaining airflow. Every unit features our factory-wired, integrated AirGENIO control, ensuring a fully equipped solution right from the start. The all-in-one approach simplifies installation, enhances efficiency, and guarantees a superior ventilation experience.

2VV HEAT RECOVERY PRODUCT RANGE



Residential
HRU

Non-residential HRU



AirGENIO CONTROL SYSTEM



AirGENIO control system

2VV AirGENIO control system offers seamless and intelligent management of 2VV devices, ensuring effortless operation and enhanced user experience. Designed with a strong emphasis on energy efficiency and indoor comfort, it is equipped with a wide range of smart functionalities, such as automated performance optimization, adaptive airflow control, and real-time monitoring. Additionally, the AirGENIO system supports BMS (Building Management System) integration for centralized control and efficiency across multiple units. With CLOUD connectivity, users can access and manage their devices remotely, enabling real-time adjustments, diagnostics, and system optimization from anywhere.

Ventilation functions

Set up& Maintenance

Choice of ventilation modes:
CAV – Constant Air Volume
VAV – Variable Air Volume
DCV – Demand Control Ventilation



Ventilation Mode

The energy saving process that lowers the building air temperature by adding cooler night time air.



Freecooling

The indoor air quality is essential: AQS sensors activate ventilation and guard the right level of CO₂, relative humidity, etc.



Air Quality Sensors

Ventilation mode with temporarily increased intensity of air change.



Boost

Safety-critical mode allowing adjustments of ventilation setting for emergencies.



Fire Mode



Temperature

Advanced sensors and smart algorithms optimize temperature settings to enhance energy efficiency while maintaining optimal air quality



Timer

Allows operation based on specific time settings. Enables automatic activation or deactivation based on predefined intervals.



Filter Clogging

Monitors filter status by integrated pressure sensors and alerts when cleaning or replacement is needed.



Anti-freeze

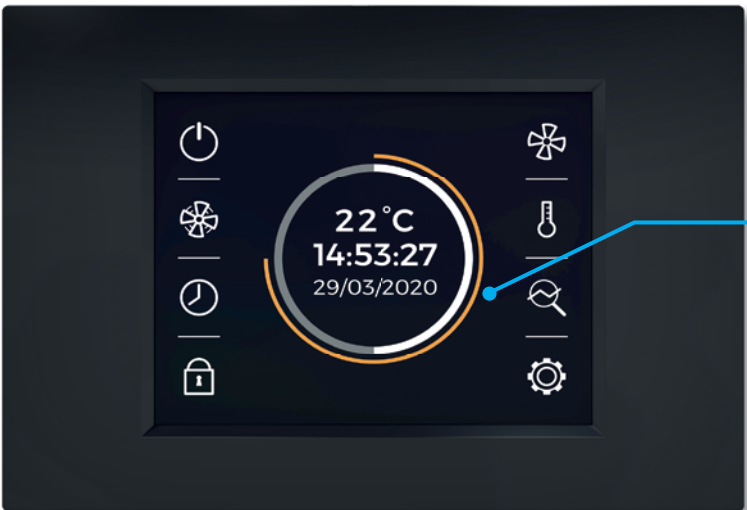
Protects heat exchanger and other components from freezing. Maintain safe operation and system efficiency.



BMS Connectivity

Seamless integration of the ventilation unit into a centralized control system using network protocols: ModBUS RTU/TCP, BACnet.

Intelligent • Intuitive • Innovative



The intuitive color touchscreen control panel allows users to easily customize settings and adjust the unit's operation to their specific needs.

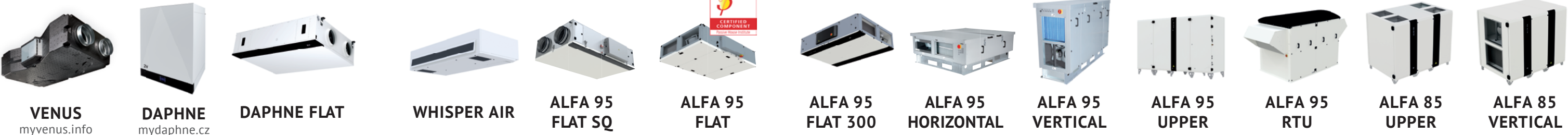
AirGENIO CLOUD - CONNECTION YOU CAN TRUST

AirGENIO CLOUD offers secure remote control and servicing of 2VV devices via a web interface or app. It features an intuitive layout, history logs for performance optimization, notifications for errors, and backup options for quick setup and recovery. Accessible from anywhere, it saves time and money while ensuring optimal device performance.



CONTROL YOUR 2VV DEVICE FROM ANYWHERE IN THE WORLD.

HEAT RECOVERY UNITS



5 sizes with airflow: 140–700m³/h	5 sizes with airflow: 200–900m³/h	3 sizes with airflow: 350–770m³/h	3 sizes with airflow: 400–1.000m³/h	1 sizes with airflow: 965m³/h	4 sizes with airflow: 400–2.000m³/h	1 sizes with airflow: 3.200m³/h	4 sizes with airflow: 800–3.500m³/h	6 sizes with airflow: 800–5.500m³/h	4 sizes with airflow: 1.500–4.700m³/h	1 sizes with airflow: 4.900m³/h	9 sizes with airflow: 700–5.000m³/h	11 sizes with airflow: 700–14.000m³/h
ePM2,5 50%	Coarse 60%	Coarse 60%	ePM1 60%	ePM1 60%	ePM2,5 65%	ePM1 60%	Coarse 60% ePM10 50%	Coarse 60% ePM10 50%	ePM1 60%	Coarse 65% ePM1 60%	Coarse 65% ePM1 60%	Coarse 65% ePM1 60%
Coarse 60%	Coarse 60%	Coarse 60%	Coarse 65%	ePM10 50%	ePM10 70%	ePM10 50%	Coarse 60%	Coarse 60%	ePM10 50%	ePM10 50%	ePM10 50%	ePM10 50%
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AirGENIO
COMFORT



AirGENIO
SUPERIOR



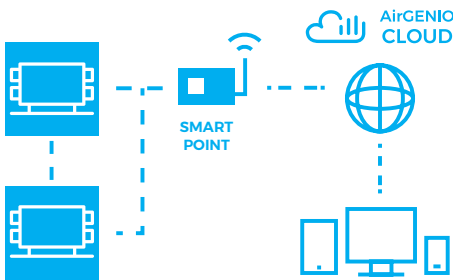
VENUS
COMFORT

Remote control	Touch screen display	Touch screen display	Touch buttons
Control connection	Wire	Wire	Wire
CAV mode	✗	✓	✗
DCV mode	✓ (0–10V)	✓ (0–10V)	✓ (ON/OFF)
VAV mode	✗	✓	✗
Fan speed control	Fluent	Fluent	3 speeds
Fan offset adjustment	✓	✓	✓ (EC fans only)
By-Pass control	✓ (Auto)	✓ (Auto)	✓ (Manual)
Free-Cooling	✓ (Auto)	✓ (Auto)	✓ (Electronic with time delay)
External control	✓	✓	✓
Timer	✓	✓	✗
Boost	✓ (Fully adjustable)	✓ (Fully adjustable)	✓ (Adjustable delay)
Flap control	✓	✓	✓
Error indication	✓ (On screen)	✓ (On screen)	✓
Anti-freeze protection	✓	✓	✓
Electric pre-heater control	✓	✓	✓
Integrated electric Post-Heater control	✓ (PWM)	✓ (PWM)	✗
Integrated LPHW coil control	✗	✓ (0–10V)	✗
Integrated Change-Over coil control	✗	✓ (0–10V)	✗
Integrated DX coil control	✗	✓ (Adjustable)	✗
External post-heater control (Electric, LPHW, Change-Over, DX)	✗	✓ (Adjustable)	✗
Fire mode	✓ (Adjustable)	✓ (Adjustable)	✗
Clogged filter signalization	✓ (Time)	✓ (Pressure)	✓ (Time)
Easy FW update	✓	✓	✗
BMS connection	✓ ModBUS RTU/TCP or BACnet	✓ ModBUS RTU/TCP or BACnet	✗
Service Software	✓	✓	✗

2V AirGENIO CLOUD

Connection you can trust

- Control 2V devices from anywhere in the world
- Easy customization of settings
- History logs
- Smart notifications
- Warning and error messages
- Backup and restore settings



MagiCAD – 3D MODELS

Building design with 2V has never been easier

2V BIM DATABASE

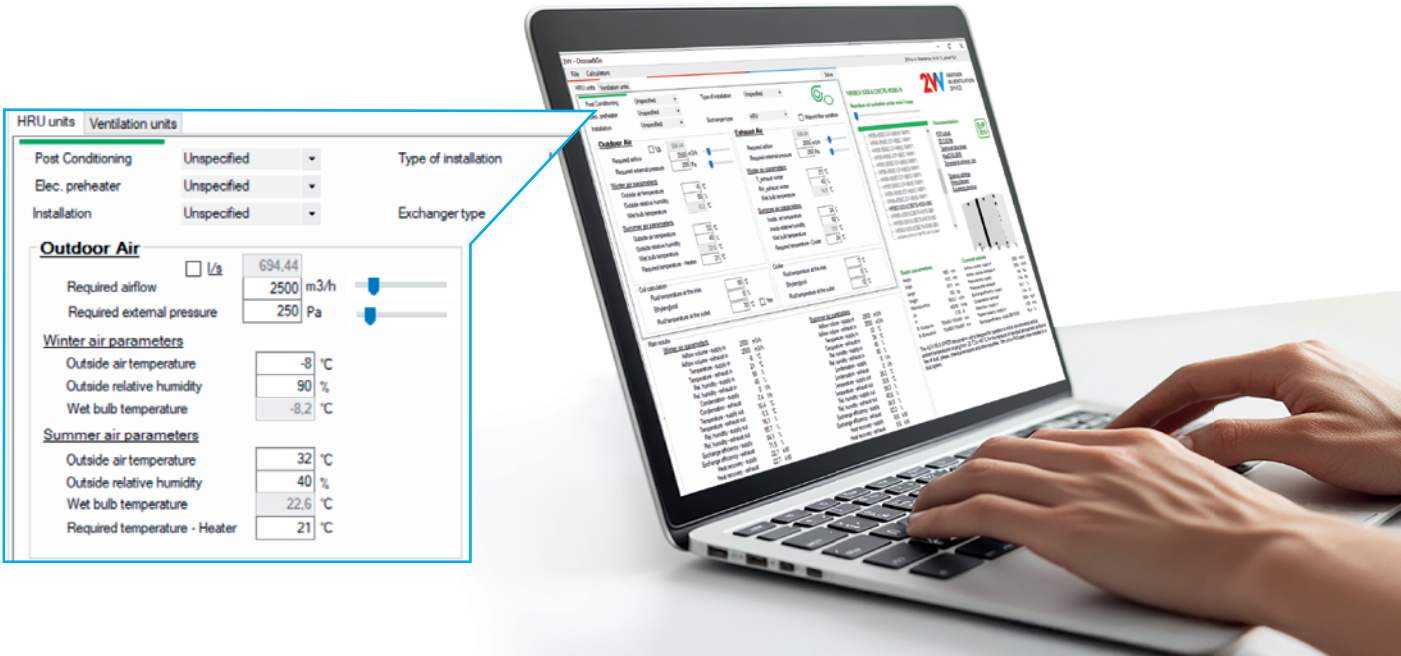
MagiCAD offers designers, engineers and architects access to over 1 million intelligent 3D product models including the complete 2V's range of **Air Curtains**, **Air Heaters** and selection of **Heat Recovery Units**.
MagiCAD can be used with either AutoCAD or Revit.



2V SELECTION SOFTWARE Choose&GO

Essential product selecting tool for project design

- Precise and reliable data
- Right product selection from 2V product portfolio
- Final result and one-click into PDF
- Supplementary documents available
(technical catalogue, 2D drawings, schemes...)



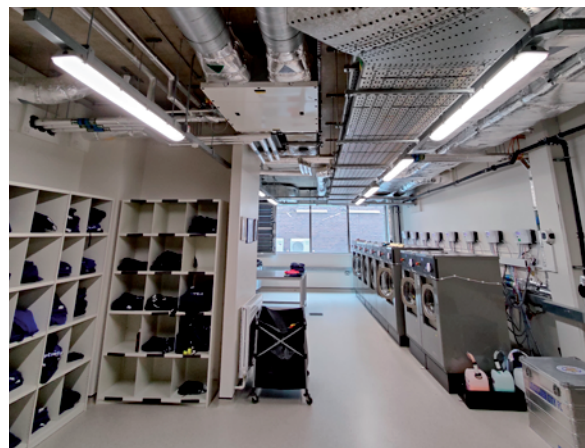
REFERENCES



THE LCFC TRAINING | UK

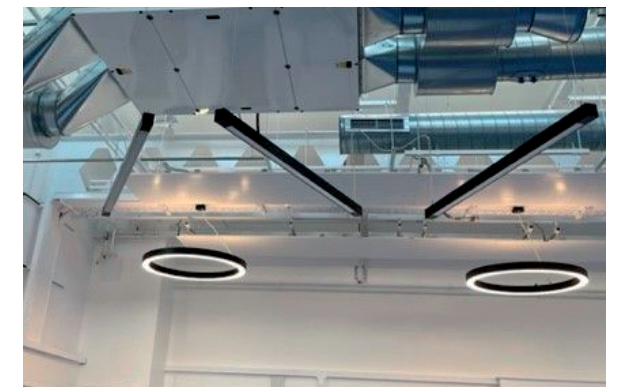
ALFA 95 FLAT units at LCFC Training Ground – ensuring comfort and performance for every training session.

The ALFA 95 FLAT units are installed at the LCFC Training Ground in the UK, ensuring optimal comfort and climate control during training sessions. With their efficient design, these units provide a reliable solution for maintaining a comfortable environment year-round.



GREENHILL AND DRUMPARK SCHOOLS | Ireland

ALFA 95 FLAT and ALFA 85 units at GREENHILL AND DRUMPARK SCHOOLS – creating a comfortable and energy-efficient learning environment.



At the GREENHILL AND DRUMPARK SCHOOLS in Ireland, ALFA 95 FLAT and ALFA 85 units are installed to provide optimal climate control throughout the buildings. These units ensure a comfortable environment for both students and staff, maintaining perfect air quality and temperature year-round with energy-efficient performance.

PRODUCTION HALL 2VV | Czech Republic

ALFA 95 RTU units at our production hall in Rosice – ensuring efficient climate control for a productive work environment.



Fifteen ALFA 95 RTU units are installed on the roof of our new production hall in Rosice, Pardubice. These units ensure efficient ventilation and temperature regulation, providing a reliable solution for maintaining optimal conditions inside the facility. Their robust performance supports a comfortable and energy-efficient working environment all year round.



IDEON PARDUBICE | Czech Republic

WHISPER AIR units at IQ PARK IDEON – combining comfort and innovation for a unique interactive experience..

Our WHISPER AIR units are installed in the IQ PARK IDEON in Pardubice, a place where fun and learning go hand in hand. IQ PARK IDEON is an interactive space full of exciting attractions, where visitors can try virtual motorcycle or car driving, race in a biathlon competition, or challenge themselves on an interactive climbing wall, among many other experiences. Designed to awaken curiosity and promote physical activity, the park offers a hands-on approach to understanding modern technologies. The WHISPER AIR units ensure a comfortable and quiet environment throughout the park, enhancing the experience for everyone.





PARTNER
IN VENTILATION
2VV.CZ

SRA BUILDCORE

COMPANY LTD.

BUILT TO DELIVER

CONTACT SRA

info@srabuildcore.sa

www.srabuildcore.sa

7425 Abar Almashi, Abyar Almashi Dist., Madinah, KSA