



HEAT RECOVERY VENTILATION UNIT

ARIA VITALE



reddot winner 2023



DESIGN
AWARD
2023

5 year
warranty

Complete
MVHR system

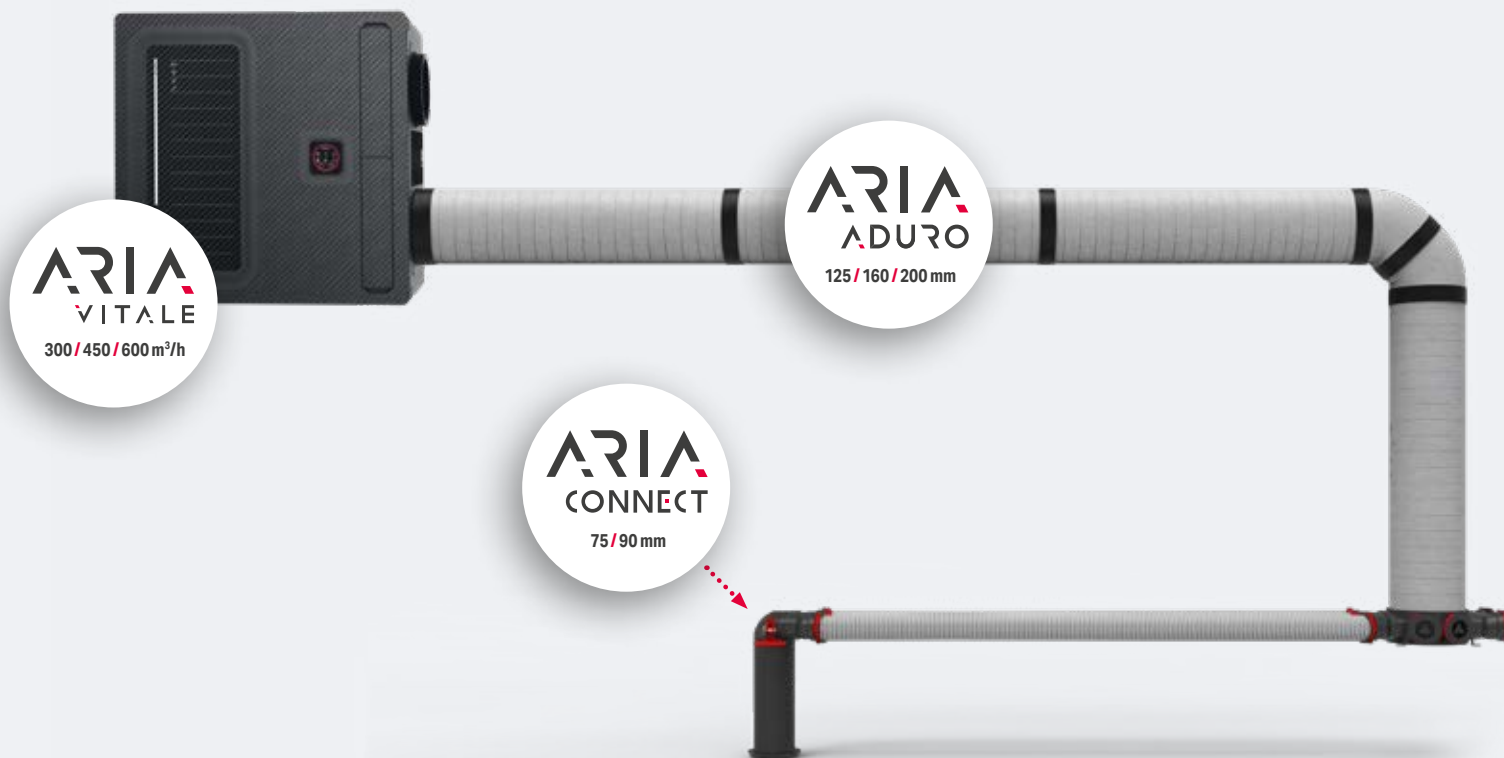
HEATPEX

> heatpex.pl

HEATPEX ARIA



Complete MVHR system
pays off more



HEATPEX
ARIA

ARIA
VITALE

Heat
recovery
ventilation
unit



ARIA
ADURO

Insulated
mass flow
ductwork



ARIA
CONNECT

Air distribution
ducting system

FIND OUT MORE ABOUT HEATPEX'S COMPLETE MVHR SYSTEM ON OUR WEBSITE > heatpex.pl

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ARIA
VITALE

Stylish, modern and efficient
heat recovery ventilation unit



Discover ARIA VITALE – stylish, modern and efficient heat recovery ventilation unit

Ventilation - key to a healthy home.

**Without proper ventilation,
the house does not „breathe“.**

**That was the reason for HEATPEX to develop a device designed to ensure
the highest air quality in your environment.**

ARIA VITALE MVHR unit has been designed in the spirit of the so-called “sustainable design”, i.e. where the choice of construction materials and technical solutions translate to durability, functionality and environmental aspect of the product. We have used the **best components** focusing on speed and simplicity of assembly and operation. The **innovative use of EPP material for the casing created a lightweight unit with high acoustic parameters and aesthetic appearance**, while reducing the environmental footprint.

ARIA VITALE is **the only such product on the market that can be mounted in 6 positions without compromising the efficiency of operations**. The installation and service are extremely easy. Simple and intuitive touch-screen control panel completes the picture.





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ARIA VITALE

ARIA VITALE comes in **5 unique models** that can be easily matched to your needs. The MVHR unit contains a **great number of practical features and solutions** (Wi-Fi and wireless connectivity, glass touch-screen control panel, 100% by-pass, built-in pre-heater, mounting brackets), affecting the comfort and simplicity of everyday use.

FLOW RATES

300 / 450 / 600 m³/h
Wi-Fi
Remote control6 installation
configurations
(wall, floor, ceiling)

Plug & Play



100% by-pass

SILVER

Temperature sensor

GOLD

Temperature sensor
Humidity and CO₂ sensor

GOLD **CF**

Temperature sensor
Humidity and CO₂ sensor
Constant Flow (CF)

PLATINUM Enthalpy

Enthalpy exchanger
Temperature sensor
Humidity and CO₂ sensor

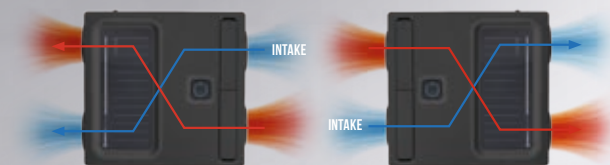
PLATINUM **CF** Enthalpy

Enthalpy exchanger
Temperature sensor
Humidity and CO₂ sensor
Constant Flow (CF)

6 mounting
options

Versatility & simplicity of installation

ARIA VITALE is the only heat recovery unit on the market today with 6 installation configurations – **3 different positions** (floor, wall and ceiling) and **2 sides** – left or right.

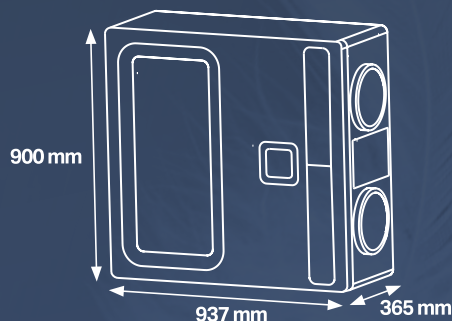


Left or right-hand installation for each version



Light-weight and compact device

Easy installation due to low weight.



36 cm

Depth is only 36 cm

27,5 kg » 40 %

Weight

40% lower weight
compared to most
competitors

ARIA
ADURO
COMPATIBLE

Epp connection
stub pipes diameter
200 mm



**The MVHR packaging contains custom-fit
mounting brackets with built-in spirit levels.**

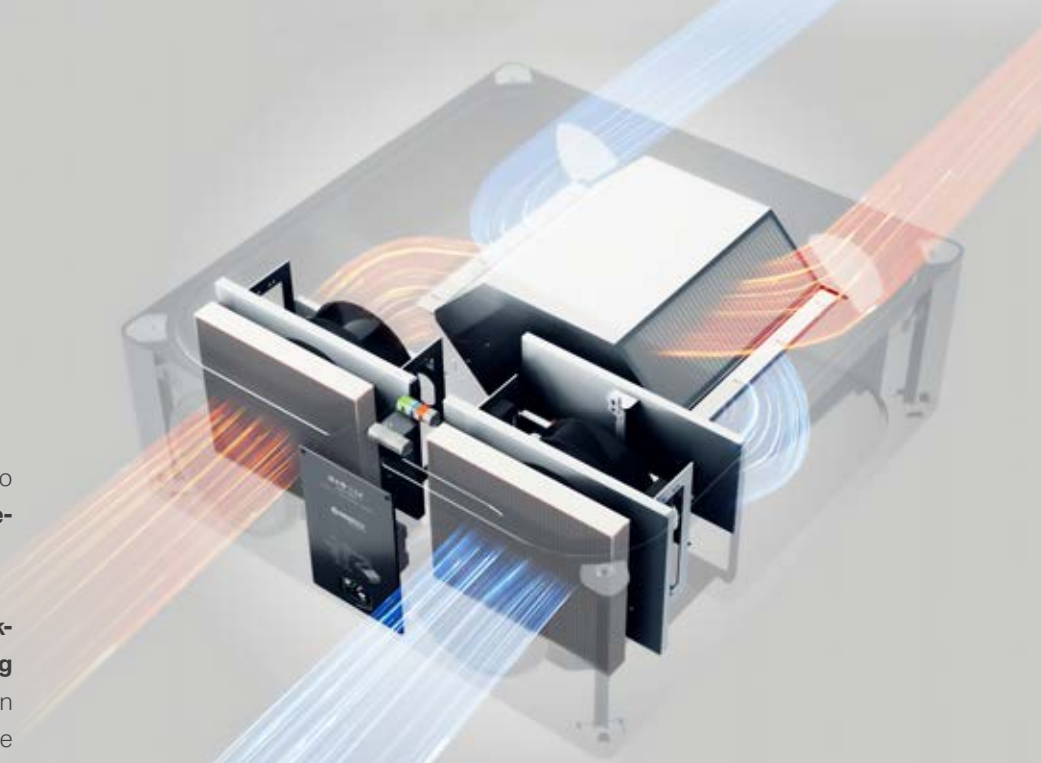
Additionally, to ease the installation, use a 1:1 mounting
template (printed on the back of the cardboard box).



Efficient and energy saving

The MVHR unit is characterised by high efficiency due to carefully **selected high quality heat exchangers** of **energy recovery up to 95%**.

In addition, the automated control unit used includes **weekly programming cycles**, which offers the **possibility of saving up to 30%** energy compared to manual operation. Quick main functions on the control panel, e.g. "holiday" minimise the unit's operation and provide further savings.



ENERGY
EFFICIENCY
UP TO

95%

ENERGY
SAVING
UP TO

30%

TECHNICAL DATA

	ARIA VITALE 300	ARIA VITALE 450	ARIA VITALE 600			ARIA VITALE 300	ARIA VITALE 450	ARIA VITALE 600	
Maximum air flow	300 m³/h	450 m³/h	600 m³/h	Exchanger type	Recuperative plastic counterflow heat exchanger (Silver and Gold / Gold CF)				
Dimensions (h / w / d)	900 mm / 937 mm / 365 mm				Recuperative plastic counterflow enthalpy exchanger (Platinum / Platinum CF)				
Mass	27,5 kg								
Inlet / outlet connections diameter	Ø 200			Energy consumption class	Cold	A+	A+	A+	
Drain connection diameter	Ø 10				Average	A+	A	A	
IP rating	IP 40				Warm	E	E	E	
Power supply	230V / 50Hz			Factory fans settings	1	2	3	Party mode	Holiday mode
Fans rated power	2 x45 W	2 x 95 W	2 x 177 W		35%	55%	75%	100%	25%
Preheater rated power	1000 W	2000 W	2000 W	ARIA VITALE 300 [m³/h]	90	150	210	300	75
Filter class	ePM ₁ 70% (F7) – supply ePM ₁₀ 50% (M5) – extract			ARIA VITALE 450 [m³/h]	135	225	315	450	113
Sound power level through casing	44,4 dB(A)	50,9 dB(A)	53,4 dB(A)	ARIA VITALE 600 [m³/h]	180	300	420	600	150



ARIA VITALE design features



Comes
as standard
with



Wi-Fi / wireless
connection
enabled



Flat glass
touch screen
control panel



Antifrost
system with
preheater



Summer
100%
by pass



Mounting
brackets
and legs

Simple and intuitive controls

Pre-defined operating modes



No expert knowledge is required – the control panel is simple and intuitive. Pre-defined operating modes and **sensors that automatically react to unfavourable air conditions** optimise the unit's operation in terms of comfort, noise and energy consumption



HOLIDAY MODE



PARTY MODE



AUTOMATIC MODE

Plug & play philosophy



The unit is designed according to Plug-and-Play philosophy, **pre-wired and pre-configured**. Once plugged in, it is immediately ready to use.



Plug & Play

Advanced settings



Wi-Fi

ARIA myHome app

Aria myHOME app for advanced settings (available through phone and computer). BMS / Smart Home connectivity available via **Modbus protocol**.

ARIA
myHOME



Wi-Fi
Remote control



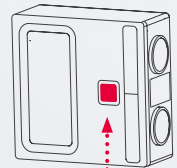
DISCOVER ARIA VITALE MVHR UNIT

Removable control panel

Touch-screen control panel can be detached and fitted on the (living-room) wall. A practical solution when the unit is installed in the attic. **Control panel dummy** and a power cable included.

Mounting options

Wall **or** MVHR unit



Airtight and silent

ARIA VITALE heat recovery unit EPP casing and front panel have **the highest wall thickness on the market (50 mm)**. This allows the unit to operate quietly, especially at night time.

The applied wall thickness, combined with EPP connection stub pipes and the use of locks, **completely removes thermal bridges in the unit**, ensuring high tightness.

NOISE LEVEL
OF ARIA VITALE
300 m³/h IS ONLY

44,4
dB(A)

MODEL	300 m ³ /h	450 m ³ /h	600 m ³ /h
NOISE LEVEL	44,4 dB(A)	50,9 dB(A)	53,4 dB(A)



Highest indoor air quality for You and your family

Enthalpy heat exchanger with antimicrobial and antiviral membrane

Counterflow enthalpy exchanger with antibacterial and antiviral membrane – protection against viruses, including SARS-CoV-2, bacteria, mould, unpleasant odours and biological pollutants.

The durable polymer membrane ensures:

- high coefficient of **thermal conductivity** and **moisture transfer**
- resistance to **acids, alkalis** and **salts** (necessary to ensure stable operation)
- **tear and puncture** resistance
- excellent resistance to **environmental influences and temperature** fluctuations from -25°C to 50°C
- low **air permeability**



ARIA VITALE is equipped with **high-class cartridge filters** that effectively protect you and your loved ones against smog, bacteria, viruses and pollen.

EXTRACT AIR: **M5** ISO ePM₁₀ 50%

FRESH AIR: **F7** ANTI-SMOG FILTER or **M5** ACTIVATED CARBON FILTER

F7 ISO ePM₁ 70% (ePM₁ 73,27% | ePM_{2,5} 80,23% | ePM₁₀ 91,94%) or **M5** with activated carbon



Hidden **functionalities**

The front panel of the unit hides several practical features

Firstly, a washable glass memo board allows the user to jot down important messages, e.g. the service engineer's phone number or filter replacement dates.

Secondly, the control panel / display unit located on the front is removable, and for the user's convenience, can be moved, for example, to a wall.

Thirdly, the slots for changing filters also act as a storage compartment for a **marker pen** and **TORX keys**.





Timeless **design**

The **EPP (expanded polypropylene) material** used in the construction of the MVHR unit is characterised by its **low weight and high ductility**.

To add **more elegance and dynamism**, unique texture and additional grooves were introduced on the surface of the casing. This has **practically reduced the external surface area by half**, and large continuous sections with the same texture were eliminated.



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