

# Technical datasheet

## SIBER® DF EVO 2 with preheater




### Compact High-Performance HRV Unit

## Magma Energy


The Siber DF EVO 2 with preheater unit is a high performance double flow recovery unit with constant flow ventilation technology, centrifugal fan with direct current and forward inclined blades, thus ensuring constant flow, acoustic comfort, reduced electrical consumption, easy maintenance and optimum air quality.

It incorporates a 600W preheater at the outside air intake that raises the temperature by up to 10°C.

### + TECHNICAL ADVANTAGES

- ✓ Constant airflow technology
- ✓ Wide variety of filters
- ✓ Better energetic efficiency (up to 95%)
- ✓ Silent running
- ✓ 100% automatic by-pass
- ✓ Control through wireless connection
- ✓ 99% recyclable
- ✓ Passivhaus certificate 

### + INSTALLATION ADVANTAGES

- ✓ Quick & easy installation
- ✓ Orientable connections, the best sealing
- ✓ Double rotating condensation drain
- ✓ Orientative guides on both laterals
- ✓ Vertical or Horizontal installation
- ✓ Perfectly parallel instalation
- ✓ No inclination needed for the condensation drain
- ✓ 600W power preheater 

» Max. Airflow: 200 m<sup>3</sup>/h.

### PREMIUM Ventilation Category



- » Slim unit - 8.2 inch
- » Intelligent By-pass
- » Thanks to its aerodynamic desing, it reach a better airflow with less pression, being more efficient energetically.

### AIR PURIFICATION SIBER

New filters for a high filtration of particles and smells

- ✓ Constant clean air
- ✓ Virus, mites, pollen free

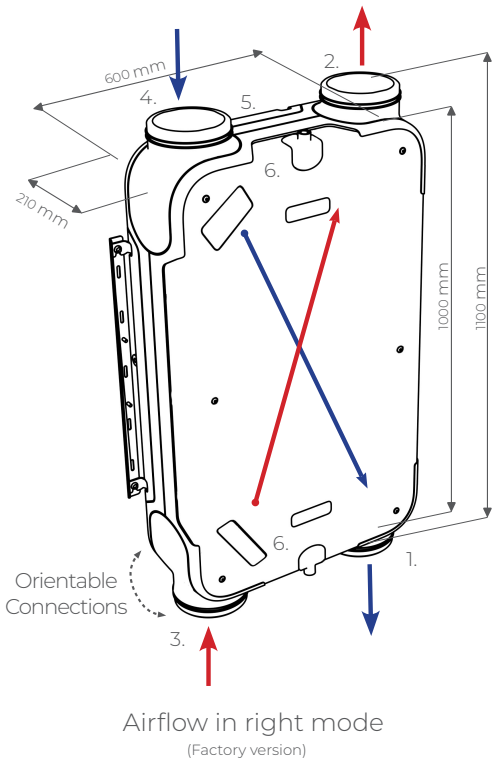


ISO EPM1 55%  
ISO EPM1 80%  
ISO COARSE 65%

Carbon active filters

Combined filters

# DIMENSIONS / AIRFLOW



## CAPTION

1. Insufflation of new air to into house
2. Extraction of foul air
3. Extraction of foul air from the inside of the home
4. New air's intake from outside
5. Electrical connections
6. Condensation drain connection



\* It can only have one condensation drain, the other one has to remain closed with a plug.

## OPTIONAL SMART CONTROL ACCESSORIES

Smart wireless multicontrol remote Wireless remote 4 levels
New and wide rane of high efficiency filters
Condensation drain (flexible/ball)
Smart wireless CO2 sensor
Smart wireless humidity sensor
Accesories for Smart Homes
EVO App: Allow a smart control of the unit and inside air quality

\* Check our catalogue to see the full range of available accessories



**A height of only 21 cm / 8.2 inch**

Optimize the space in false ceiling

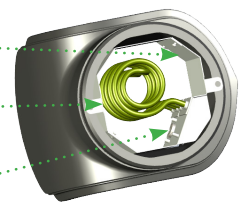
## 0% PERFECTLY PARALLEL TO THE CEILING

Its design allows to install it perfectly horizontally without the 2% degree inclination for the condensation drain

# PREHEATER

The preheater protects the heat exchanger in the ventilation unit during the cold season.

- ✓ Frame is made from AluZinc coated steel, which is highly resistant to corrosion
- ✓ Heating elements are made from stainless steel AISI304. Power output 0.6kW
- ✓ Equipped with automatic protection thermostat set to 40°C which prevent overheating



# Convert your house into a Smart Home with Siber with **Siber** (optional)

Connectivity through:  
KNX  
Modbus  
(Siber APP EVO connection from the ethernet gateway)







Look after the health of your family and yours, monitoring the Air Quality of your home!

- ✓ Thanks to the smart control, you get a full online monitoring of the most essential functionalities.

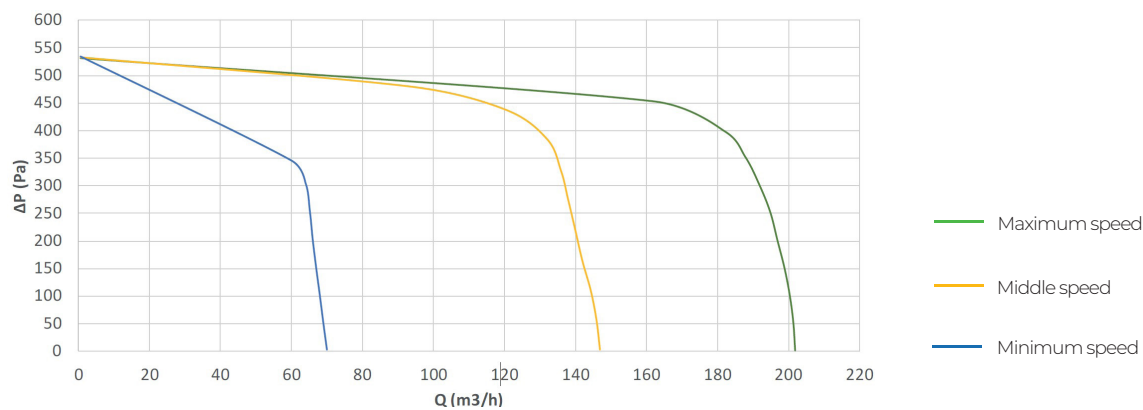


# TECHNICAL DATA

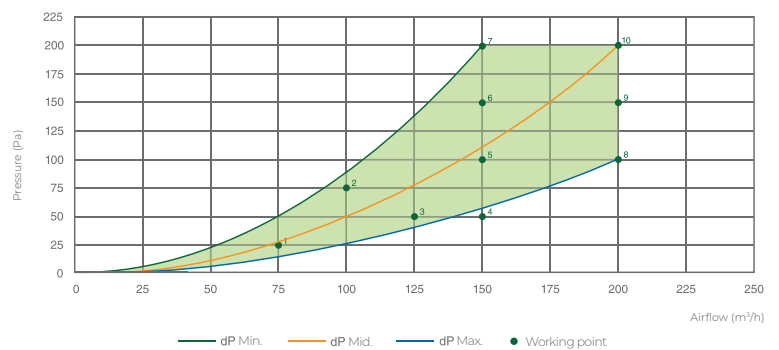
SIBER DF EVO 2					
Voltage supply	230V/ 50 Hz				
Degree of protection	IP 40				
Dimensions (l x a x p)	1000 x 600 x 210 mm				
Connections diameter	Ø 160				
Condensation drains diameter	1/2"				
Weight	24 Kg				
Filter classification	Coarse 65% (G4)				
Fan position (factory presets)					"boost" mode
Remote control ON/OFF variable speed	0	1	2	3	Max
Ventilation flow (m³/h)	30	75	100	150	200

Acoustic level SIBER® DF EVO 2							
Airflow (m³/h)		75	125	150	200		
Acoustic level Lw (A)	Static pressure (Pa)	25	50	50	100	150	200
	Box irradiation (dB(A))	33	42	44	46	51	56
	Extraction duct (dB(A))	34	43	45	48	50	57
	Insufflation duct (dB(A))	46	51	59	62	65	66

## Airflow/Pressure Curve



Working points	AIRFLOW (m³/h)	PRESSURE (Pa)	POWER (W)	SFP (W/ls)
1	75	25	12.61	0.61
2	100	75	25.31	0.91
3	125	50	29.16	0.84
4	150	50	39.20	0.94
5	150	100	49.65	1.19
6	150	150	60.92	1.46
7	150	200	72.60	1.74
8	200	100	81.33	1.46
9	200	150	93.10	1.68
10	200	200	106.48	1.92

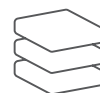


## SUSTAINABILITY



### LOW CARBON FOOTPRINT



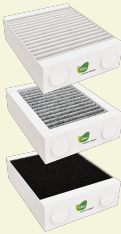
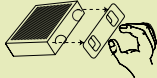
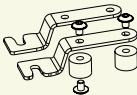




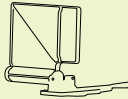


Reduction of gas emissions greenhouse effect. Key step in managing the impact of climate change.



### 99,9% RECYCLABLE

Construction in expanded polypropylene and galvanized steel, being able to be recycled, reducing the consumption of resources and the degradation of the planet.

# HIGH PERFORMANCE TECHNICAL CHARACTERISTICS

	DESCRIPTION	PICTURE
High performance heat exchanger	Standard, cross flow heat exchanger	
Constant flow fans	Constant flow ventilation technology, direct current centrifugal fan and forward inclined blades. Thanks to this technology, constant flow, acoustic comfort, reduced electrical consumption, easy maintenance and optimum air quality are ensured.	
High efficiency filters (Optional gadgets)	It has the widest range of filtering on the market, to guarantee optimum air quality. DFFG4 - FILTER G4 CORSE 65% (2 filtros included) DFFF7 - FILTER F7 EPM 1 55% DFFG4F7 - COMBINED FILTER G4 + F7 CORSE 65% - EPM 1 55% DFFCA - CARBON FILTER DFFF9 - FILTER F9 EPM 1 80% DFFG4F9 - COMBINED FILTER G4 + F9 CORSE 65% - EPM 1 80% DFFCAG4- CARBON FILTER + G4	
Easy maintenance	Easy access to filter cleaning, directly through the front panel. Simple access and removal of the heat exchanger and fans (recommended every 3 years).	
Quick and easy assembly	Mounting possible both on the ceiling and on the wall, with the possibility of installing the guides on all sides of the equipment thanks to the versatility of the silentblock hooks. Configuration of standard or inverted position of the equipment by reversing the directions of the mouths on both sides.	
High performance construction	Watertight internal construction in expanded polypropylene (PPE), and external in galvanized steel covered with RAL 9003 thermo-lacquered paint, guaranteeing acoustic and thermal insulation and air tightness. Possibility of recycling thanks to its 99% recyclable material, reducing the consumption of resources and the degradation of the planet.	
Adjustable connections	Modularity in the connection quickly and easily. The connections are designed to ensure maximum tightness. Double symmetric gasket that guarantees the tightness of the duct fit with the equipment.	
Low consumption	High performance motors with exclusive technology, ensuring the lowest energy consumption.	
Wireless regulation (Optional accessories)	<ul style="list-style-type: none"> <li>Wireless intelligent multicontrol remote with electronic regulation and filter fouling indicator.</li> <li>4-position wireless push-button control with LED filter fouling indicator. Smart</li> </ul>	
Smart bypass	The 100% automatic by-pass serves both in summer and winter to enjoy any favorable temperature situation inside the house without going through the heat exchanger. This management is automatic (factory configured).	
Gateway (home automation) (Optional accessories)	KNX - Modbus connectivity. Turn your home into a smart home.	
Siber APP EVO (Optional accessories)	Intelligent control system for online monitoring of the most important elements for the control and monitoring of indoor air quality in the home.	
Preheater function	It incorporates a 600W preheater at the outside air intake that raises the temperature by up to 10°C.	