



The Key to Healthy Air

HETA Apartment Recuperator

80 m³/h optimal airflow

- Dedicated for 15–60 m² spaces
- Fresh air with closed windows
- Reduces heating costs
- Excellent air filtration
- Compact size
- Automatic control



A+ / C

Contact us!

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40% reduction in heating costs

“About half of the EU’s final energy consumption goes to heating, making it a key focus area in Europe’s efforts to improve energy security and reduce greenhouse gas emissions.”*

As much as 40 to 70% of the energy used for heating in buildings is dedicated to heating fresh air. Our high-efficiency recovery system aids in decreasing the demand for thermal energy, thereby leading to substantially reduced fixed costs.

* www.eea.europa.eu/en/topics/in-depth/energy



Heat recovery

During the heating season, the device will use the temperature of the extracted air from the room to heat the fresh air it supplies. Energy recovery occurs without the need for a heater-cooler unit, resulting in even greater overall energy savings.

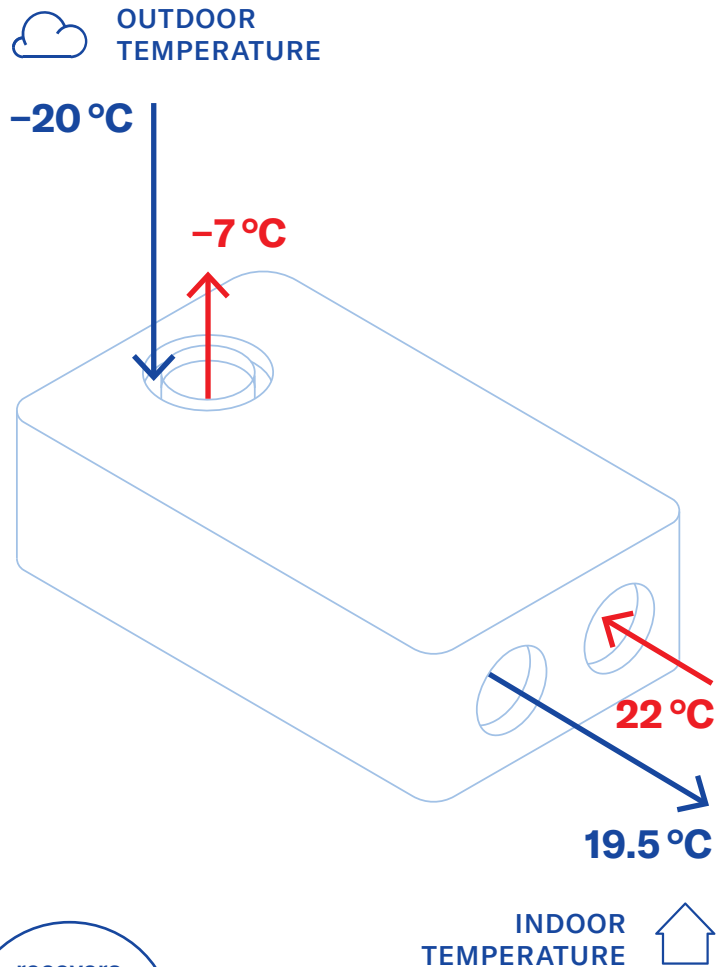


Automatic control

The HETA Apartment saves energy by automatically adjusting its operating mode according to the conditions in the room:

- occupancy (CO₂ level)
- temperature and humidity
- window being closed/opened

How it works



recovers
91%
heat energy

Residents' health and comfort

“In 2021, 97% of the urban population was exposed to concentrations of fine particulate matter above the health-based guideline level set by the World Health Organization.”*

Meanwhile, an individual requires 30 m³ of fresh air per hour. Meeting these needs requires closing the windows and purifying the entire air supply. Our device supplies the apartment with fresh and purified air, providing the very best possible living conditions.

* www.eea.europa.eu/publications/europes-air-quality-status-2023



Filtration

The supplied air is efficiently purified by a series of high-grade filters. From both the supplied fresh air and air extracted from the room the filters eliminate:

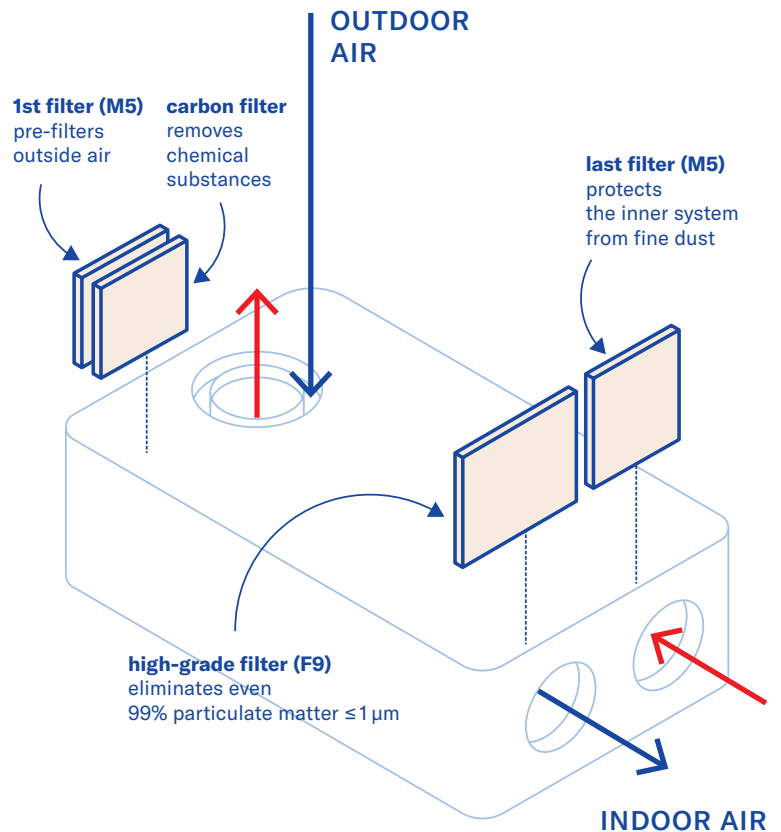
- pollen
- spores
- cement dust
- fly ash
- bacteria and germs on host particles
- oil fumes and agglomerated soot
- tobacco smoke
- metallic-oxide smoke

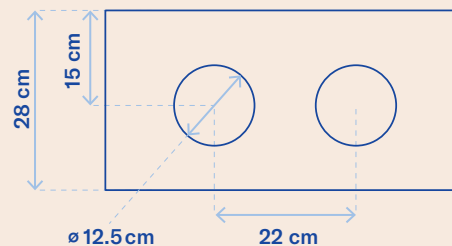
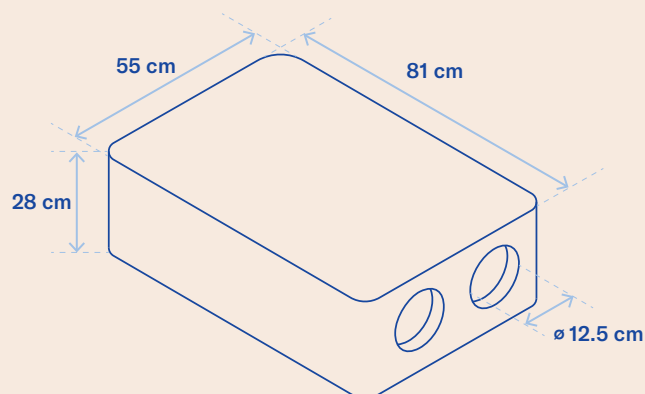


Air exchange

To prevent exposure to high CO₂ levels, the air in the room should be completely replaced every hour. In order to do so, our device measures the CO₂ level in the room and introduces air exchange accordingly, ensuring the supply of fresh air.

How it works





Operating space 15–60 m ²	Heat recovering 91 %	Annual Heating Saved 47 kWh/m ² /year
Noise volume 28 db(A)	Humidity recovering 95 %	PM ≤1 reduction 99 %

Optimal airflow	80 m ³ /h
Maximum airflow	120 m ³ /h
Energy class (SEC)	A+
EU eco-design	ErP 2018
Ventilator's power use at the maximum airflow	80 W
Nominal supply voltage	230 V AC/50 Hz
Type of ventilation unit	bidirectional
Type of heat recovery system	recuperative
Type of heat exchanger	counterFlow
Max. acoustic pressure level emitted from the casing	29 dB(A)

Outside dimensions (length × width × height)	81 × 55 × 28 cm
Ventilation connection dimensions (diameter)	12.5 cm
Weight	28 kg

Filters	F9, M5 and activated carbon
Bypass	100%, insulated
Automatics	A BMS compatible control system, automatic adjustment to the room air quality and temperature, control system based on CO ₂ and humidity levels.
Operating temperature range	5–45 °C
Permissible humidity	25–90%
Fuse type	10 A
Degree of protection class	IP 24

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