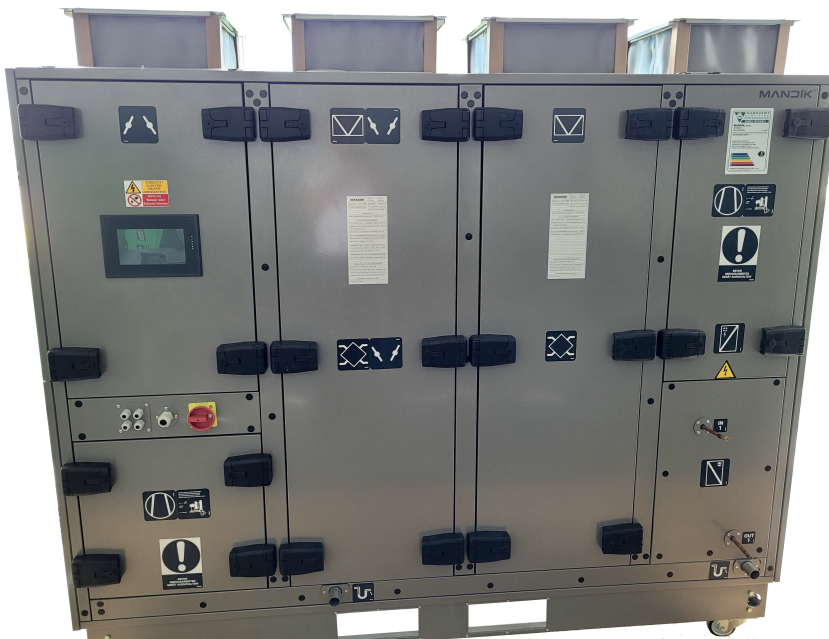


- Non residential
- Counterflow
- R-COVERY by MANDIK
- 500-5.800 m³/h
- Vertical
- Heat recovery unit with efficiency ≥ 75%



Modular Air Handling Units type C-MAN-V

EUROVENT certified modular air handling units with compact dimensions, type C-MAN-V, with top connections and with the following basic functions: ventilation, filtering, heating, cooling and heat recovery.

Only suitable for indoor installation.

The units are custom-made and available in different sizes, with a flow rate of 500 m³/h to approx. 5.800 m³/h. All units are equipped with excellent thermal and sound insulation.

Each air handling unit can be made according to the individual request of the customer.

Left/right version possible.

The modular air handling units with compact dimensions type C-MAN-V have been tested according to NBN EN 308 in our standard version T2/TB1 and are EPBD-approved.

EPB efficiencies can be calculated on request for a project in execution phase.

Brand

- R-COVERY by MANDIK

Application

- Air handling for commercial and industrial applications
- Heating (electric - water - DX)
- Cooling (water - DX)
- Heat recovery (plate heat exchanger)
- Suitable for indoor installation, top connections (round/rectangular)
- Hygienic ventilation applications

Composition

- Double skinned panels: 0,8mm thickness
- Frameless sandwich panels
- Insulation: mineral wool 50mm - density 50kg/m³ - fire protection class A1
- Outer panel: powder coated galvanized steel - RAL 9007 grey aluminium
- Inner panel: aluzinc 185 (C4)
- Rubber seals
- Hinged access doors with locking handles with overpressure protection
- Aluminium counterflow heat exchanger

Optional:

- Protected by epoxy coating
- Internal / external valves
- Inner panels available in stainless steel 304 / stainless steel 316 / powder coating

- Frames available in stainless steel 304 / stainless steel 316 / powder coating / aluzinc 185 (C4)

Specifications

- With regulation (built-in or remote)
- Software: AHUman

Fan

- Fans mounted on a chassis with rubber anti-vibration mounts
- Different types of fans available: centrifugal fans with forward or backward curved impeller, direct-driven with AC or EC motor - Fan Walls

Filter

- Filters mounted on a sliding rail system or with clips
- Air filtration (filters G4 Coarse 65% ISO 16890 - M5 ePM10 60% ISO16890 - F7 ePM1 60% ISO16890 - F9 ePM1 90% ISO16890,...)
- Filter indication by pressure measurement

Certification

- Tested according to NBN EN 308: www.epbd.be
- Tested according to EN 1886: Eurovent tested (TÜV SÜD)

Standard version CAIROX BE - TB1/T2 (EPBD tested)

- Mechanical strength: D1
- Air tightness: L1(-400 Pa) / L1(+700 Pa)
- Thermal insulation: T2
- Thermal bridge: TB1
- Filter bypass leakage class: F9
- Insulation 50mm mineral wool - fire protection class A1

C-MAN-V 8	EPB values		
	Q [m ³ /h]	$\eta_{t,epb}$ [%]	Pelec,epb [W]
	800	79	466

Q = Flow rate

$\eta_{t,epb}$ = Thermal efficiency EPB

Pelec,epb = Total electric power EPB

Prices

Prices, selections and technical specifications are available on request