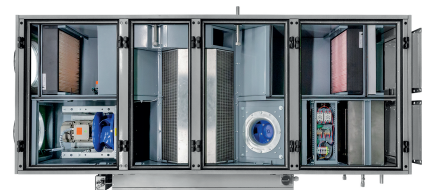


- Non residential
- Counterflow
- R-COVERY by MANDIK
- 500-3.500 m³/h
- Horizontal
- Heat recovery unit with efficiency ≥ 75%



Modular Air Handling Units (ceiling units) type C-MAN-F

EUROVENT certified modular air handling units with compact dimensions, type C-MAN-F, for ceiling mounting with the following basic functions: ventilation, filtering, heating, cooling and heat recovery.

Only for indoor installation.

The units are available in different sizes, custom-made, with a flow rate of 500 m³/h to approx. 3.500 m³/h. All units are equipped with excellent thermal and sound insulation.

Each group 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-F have been tested according to NBN EN 308 in our standard version T2/TB1 and are therefore 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 - H₂O - DX)
- Cooling (H₂O - DX)
- Heat recovery (plate heat exchanger)
- Suitable for indoor installation, ceiling mounting, round/rectangular connections
- 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
- 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 (surface mounting or at a distance)
- Software: AHUman

Fan

- Fan 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

- 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 SUD)

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

	EPB values		
	Q [m ³ /h]	$\eta_{t,epb}$ [%]	Pelec,epb [W]
C-MAN-F 8	800	78	425

Q = Flow rate

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

Pelec,epb = Total electric power EPB

Prices

Prices, selections and technical specifications are available on demand