

## CENTRAL EXTRACT VENTILATION (MEV)



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### Experimental capabilities

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- **Identification of the components of the system**
- **Starting and commissioning**
- **Measurement of the pressures in the air ducts**
- **Measure of the electrical power of the system**
- **Visualization of the air flows in the small rooms (need a fog machine)**

# VMC100



## Operating principle

This unit includes a central extract ventilation and for small rooms for the simulation of a house. The side panels are transparent and the doors and windows are simulated.

The house simulated is with rooms :

- 2 living rooms with air inlet
- 2 wet rooms with air extraction( kitchen, bathroom..)

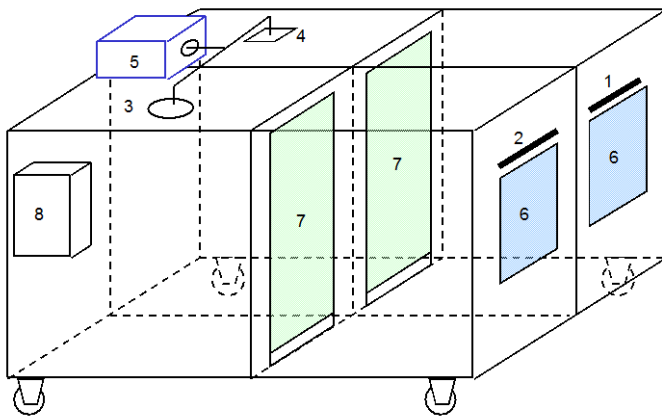
The rooms are separated by doors (simulated) with a 2 cm gap at the bottom. This unit can also be connected to our dual flow ventilation system STE400

The robust design of this device makes it suitable for use in schools.

The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

The manufacture of this equipment complies with the European standard for machinery manufacturing.

## Illustrations



1. window frame vent 22 m3/h  
type : EFA ; brand : Aldès

2. window frame vent 30 m3/h  
type : EFA ; brand : Aldès

3. extract room air valve

4. extract room air valve

## Technical details

5. central extract ventilation  
Type : mini VEC160 ; brand : Aldès  
Electrical power : 125W

6. Windows simulation

7. Doors simulation with gap of 2cm at the bottom of each door

8. electrical cabinet :  
- GFCI  
- Electrical power switch  
- A switch to start the fan  
- A white light  
- An ammeter to measure the current  
- A voltmeter to measure the voltage

This unit comes with :

- two electric heaters to show the energy loss.
- a humidifier
- a portable thermometer with humidity measurement

## Services required

- Electrical supply : 230 Vac – 50 Hz – 16 A
- Electrical network : 1 live(s) + Neutral + Earth.
- Dimensions: (LxWxH mm): 1800 x 1800 x 1700
- weight (Kg): 120

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

## Documentation

- User's manual
- Technical documentation of the components
- Lab exercises
- wiring diagram
- Certificate of conformity CE

## Options

- Fog machine

- Ref : FUM100

DIDATEC– Zone d'activité du parc – 42490 FRAISSES- FRANCE  
Tél. +33(0)4.77.10.10.10 – Fax+33(0)4.77.61.56.49 – [www.didatec-technologie.com](http://www.didatec-technologie.com)  
email : [service\\_commercial@didatec-technologie.com](mailto:service_commercial@didatec-technologie.com)

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version : FT-VMC100-STD-A