

CENTRAL EXTRACT VENTILATION (MEV)



Experimental capabilities

- Identifying the components of a single-flow MEV
- Commissioning and measurement
- Pressure measurements in the extraction line
- Measurement of current consumed by the fan
- Establishing the operation of a single flow CMV and role
- Visualization of air flows (requires optional smoke machine)
- Configuration possible in hygro A or hygro B
- Study of the influence of humidity in rooms (with humidifier)

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

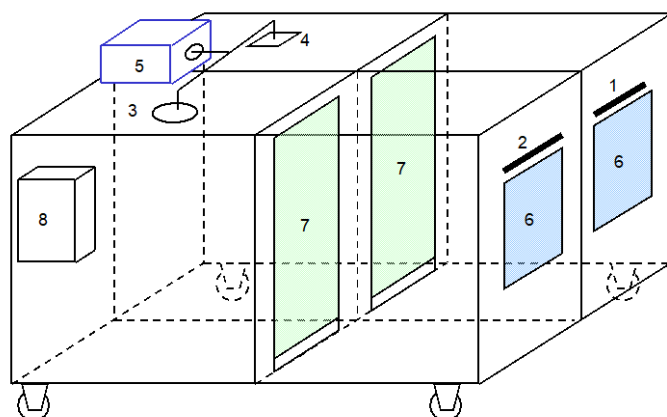
The robust design of this device makes it suitable for use in schools.

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

Technical details



1. Self-adjusting air intake 15m³/h or hygroadjustable 5/45m³/h (depending on hygro A or B configuration)

2. Self-adjusting air intake 15m³/h or hygroadjustable 5/45m³/h (depending on hygro A or B configuration)

3. Hygroadjustable extraction mouth

4. Hygroadjustable extraction mouth

5. Single flow MEV

Type : Hygrocosy low consumption

Brand: Atlantic

Electrical power consumed: 15W

6. Painted area simulating windows

7. painted areas simulating doors (under each door over the entire width is cut out a day of 2cm high adjustable)

8. Power supply box containing:

1. Differential protection
2. a general power disconnecter
3. a fan power-on switch
4. a white light presence voltage
5. an ammeter for the fan
6. a voltmeter for the fan

The bench is supplied with

- two electric fan heaters (the rooms are equipped with sockets) for the study of heat loss.
- a room humidifier
- a portable thermo hygrometer
- a portable pressure meter

Services required

Documentation

- Electrical supply : 230 Vac – 50 Hz – 16 A
- Electrical network : 1 live(s) + Neutral + Earth.
- Dimensions: (LxWxH mm): 2050 x 1800 x 1600
- 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

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

Options

- Fog machine

- Ref : FUM100