Centralised vacuum system

11016216
MR Max Ø 100 Motorised

The MR Max Motorised is an airflow regulator which ensures a stable airflow. It can be adjusted remotely to control IAQ, comfort and energy savings.

PRODUCT BENEFITS

• energy savings: dual-airflow solution to adapt to presence, low leaks (class C airtight performance),
• wide range of use: up to 1000 Pa.

Principles of operation

The MR Max can be motorised with an On/Off motor. When triggered, the motor changes the MR Max airflow setting from a minimum value to a maximum value. These values can be adjusted on site.

Product description

The MR Max is an airflow regulator which guarantees a stable airflow whatever the pressure variation, over a wide range of values including high pressure, to prevent over-consumption due to excess airflow, ensure good indoor air quality and a high level of comfort. A motor can be installed so that if triggered, it changes the airflow setting from a minimum value to a maximum value to adapt the airflow to the occupancy conditions of the room.

Fields of application

Multi-occupancy residential housing, New, Refurbishment, Non-residential buildings

Installation

- motor installed directly on plate and connected to shaft of MR Max by its clamp collar,
- nominal airflow adjusted by acting on the motor limit positions,
- directly installed between two circular ducts,
- installation direction irrelevant,
- horizontal or vertical installation.

Reference arguments

- External airflow control.
- Large diameter, high airflow, high pressure.
- Motorised version for dual-airflow solution.
- Airflow control at predetermined value whatever the change in pressure
- For circular ducting.
- Ventilation and air conditioning systems.
- Extraction and supply.
- Motorised version to balance supply and return for appartments in a centralised HRV solution (VEX 500 C4, Bap'SI elec for kitchen extraction, synchronised by dual-output timer relay).

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Main characteristics

- galvanised steel body,
- plate for motor installation,
- airflow indicator to determine min. and max. airflow settings,
- male connector with crimped seals,
- Class C airtight properties as per EN 1751,
- airflow tolerance:

- Q average = Q nominal +/- 10 m3/h for Q nominal ≤ 100 m3/h,
- Q average = Q nominal +/- 10% for Q nominal • 100 m3/h,

- operating temperatures: -30°C / +100°C,
- certified VDI 6022,
- insulated version (on request)
- a control device comprising:

- an aluminium damper
- a spring and stainless steel pin fitted to PTFE bearings (polytetrafluoroethylene).

Accessories

Description	Variants
CMEV push button for BAHIA CURVE terminal	11026011
LM MOTOR 24A ON/OFF	11055042
LM MOTOR 230A ON/OFF	11055051
Dual-output timer relay with adjustable time delay	11016218
Base for dual output timer relay	11016219

General data

Variants	Airflow accuracy
11016216	+/- 10 m³/h (? 100m³/h)+/-10% > 100 m³/h

Dimensional data

Variants	A (mm)	H (mm)	L (mm)	Rated Ø duct (mm)	Weight (kg)
11016216	160	102	245	100	0,92

Airflow data

Variants	Airflow range (m³/h)	Pressure range (Pa)
11016216	70-220	50-1000

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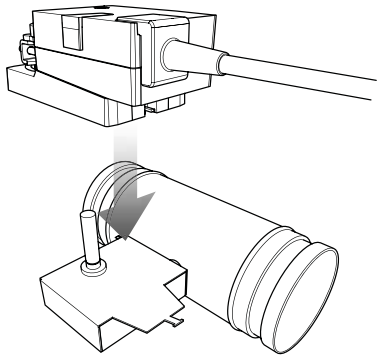
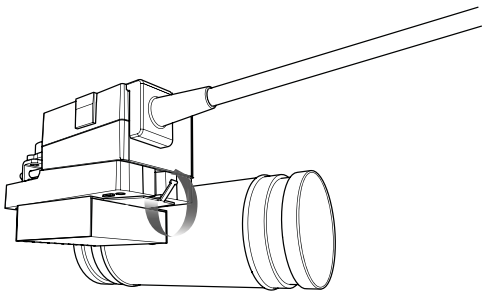
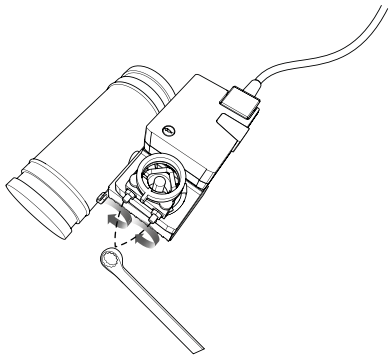
Regulatory data

Variants	Fire protection rating
11016216	A1

Installation







Distance de réserve RMA D200