

## Centralised vacuum system

11016311

MR Modulo 150 - 100-240 m<sup>3</sup>/h

The MR Modulo is an airflow regulator which ensures a stable airflow. It can be adjusted on site to control IAQ, comfort and energy savings.



## PRODUCT BENEFITS

- easy to stock: just 1 product for each diameter (except 125 mm) to cover multiple airflow levels,
- low noise level,
- easy and fast to install: multiple positions and adjustments.

## Principles of operation

Using its membrane the MR Modulo maintains a constant airflow in the air supply or extract circuit. The airflow value can easily be adjusted on site using a rotating ring, to cover a wide range.

## Product description

The MR Modulo is an airflow regulator which guarantees a stable airflow whatever the pressure variation, over a wide range of values to prevent over-consumption due to excess airflow, ensure good IAQ and a high level of comfort. Its membrane technology ensures low noise levels. The nominal airflow can be adjusted on site without a tool.

## Installation

- installed directly in the duct,
- installation direction indicated on component,
- horizontal or vertical installation at any angle,
- manual and tool-free adjustment of desired airflow by removing shim and turning rotating ring,
- reserve distance with a grille, T-piece or bend: 1D on extract and 3D on air supply.

## Reference arguments

- Plastic body (M1 fire rating) housing the silicone control membrane in an adjustable calibrated passage.
- support and air tightness provided by peripheral double-lip elastomer seal.
- Tolerance in airflow over operating range: - Q average = Q nominal +/- 5 m<sup>3</sup>/h for MR ≤ 50 m<sup>3</sup>/h, - Q average = Q nominal +/- 10 % for MR • 50 m<sup>3</sup>/h.
- Operating temperatures: -10°C to +60°C
- Certification: UL.

## Main characteristics

- plastic material (M1 fire certification),
- silicone control membrane,
- support and airtight properties using double-lip elastomer seal,
- airflow tolerance over operating pressure range:
  - Q average = Q nominal +/- 5 m<sup>3</sup>/h for MR ≤ 50 m<sup>3</sup>/h,
  - Q average = Q nominal +/- 10 % for MR • 50 m<sup>3</sup>/h,
- temperature range: -10°C / +60°C.

## Accessories

| Description            | Variants |
|------------------------|----------|
| Window sleeve Ø 150 mm | 11013123 |

## General data

| Variants | Airflow accuracy |
|----------|------------------|
| 11016311 | +/- 10%          |

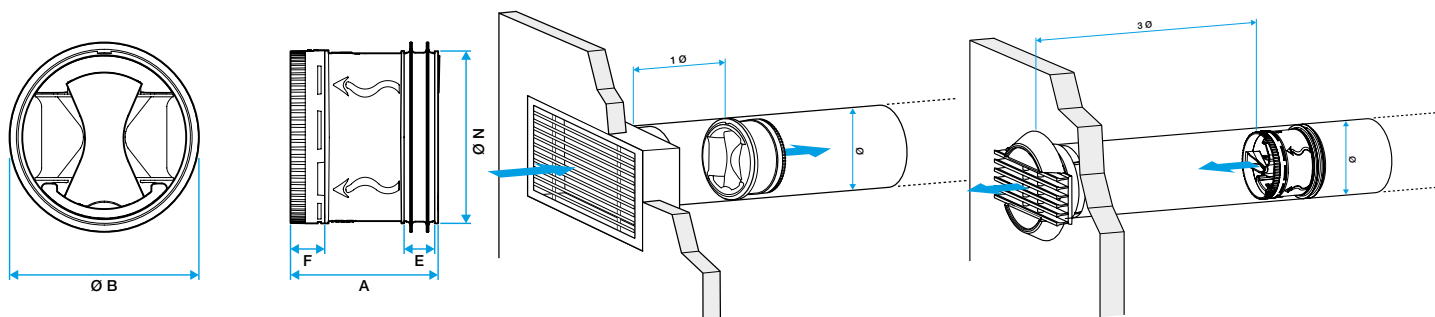
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### Dimensional data

| Variants | A (mm) | E (mm) | F (mm) | Ø B (mm) | Ø N (mm) | Rated Ø duct (mm) | Weight (kg) |
|----------|--------|--------|--------|----------|----------|-------------------|-------------|
| 11016311 | 118    | 14     | 19     | 153      | 147      | 150               | 0,37        |



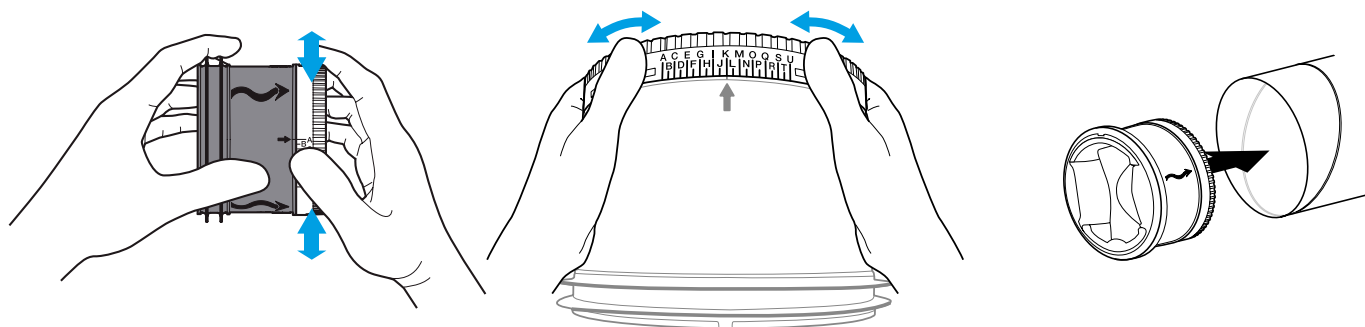
### Airflow data

| Variants | Airflow range (m³/h) | Pressure range (Pa) |
|----------|----------------------|---------------------|
| 11016311 | 100-240              | 50-250              |

### Regulatory data

| Variants | Fire protection rating |
|----------|------------------------|
| 11016311 | M1                     |

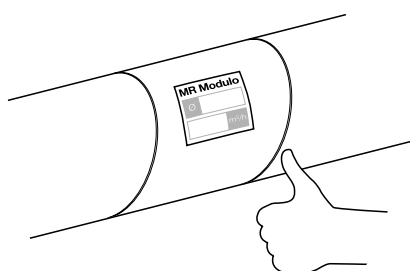
### Installation



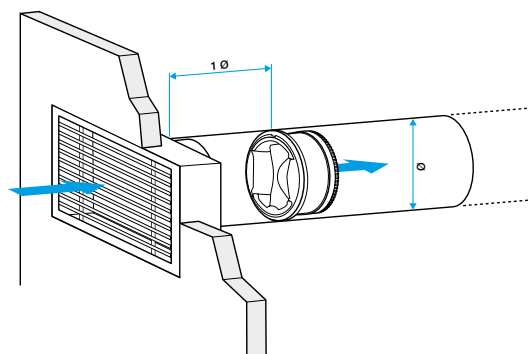
Réglage MR Modulo

Réglage MR Modulo

Installation 360°



Pose de l'étiquette du MR Modulo sur le conduit



Distance de réserve à l'extraction