

Constant Airflow Regulator

MR Modulo MR Mono

Modern constructions need to be airtight in order to be energy efficient.

In addition to thermal comfort (heating or cooling) air-conditioning systems are now specifically sized to guarantee a supply of fresh air into the building for health purposes (notably in terms of oxygen content).

Therefore it is increasingly important to ensure that operating airflows correspond to the ones calculated for the HVAC system sizing (air balancing). Correct air balancing is key to a properly commissioned HVAC system and to avoid side effects generated by over-ventilation (noise, high temperatures, high energy consumption) or by under-ventilation (deteriorated air quality and uncomfortably cold temperatures...).

Aldes offers a range of solutions for airflow balancing, The Constant Airflow Regulators: type MR Modulo and MR Mono.

MR Mono



Application

- Maintains constant airflow in ventilation systems
- Application for supply as well as exhaust system
- Temperature range: -10°C to 60°C
- Differential pressure range:
 - 50 to 250 Pa for standard version
 - 150 to 600 Pa for high pressure version

Description

- Regulating membrane in silicone
- Housing in PC / ABS plastic
- Double-lip seal in elastomer

MR Modulo



Application

- Maintains constant airflow in ventilation system
- New product range: 1 code covers several airflows
- 8 codes for 7 diameters
- Application for supply as well as exhaust system
- Temperature range: -10°C to 60°C
- Differential pressure range 50 to 250 Pa
- Airflow adjustment thanks to a rotatable ring (Patented)

Description

- Regulating membrane in silicone
- Housing in PC / ABS plastic
- Removable insert in PC / ABS plastic
- Double-lip seal in elastomere
- Rotating ring in PC / ABS plastic for airflow setting

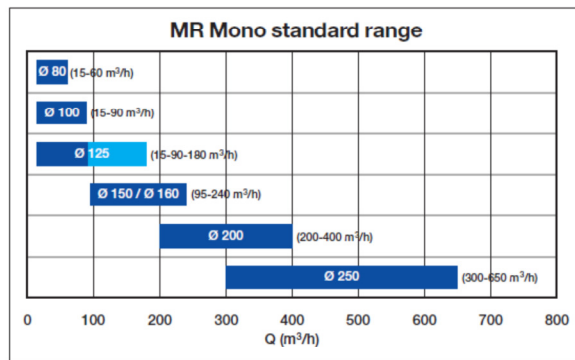
MR Mono



The MR Mono regulates to a calibrated airflow pre-set by the manufacturer.
One code equals one airflow.

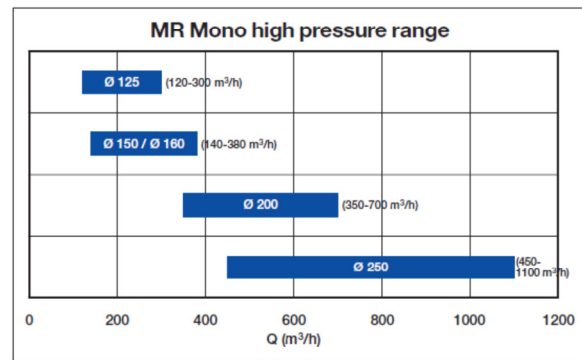
Technical features

The MR Mono is available in a standard version (50 - 250 Pa) and high pressure version (150 - 650 Pa).



Airflow accuracy:

- +/- 5 m³/h for nominal flow ≤ 50 m³/h.
- +/- 10% for nominal flow > 50 m³/h.



Operating differential pressure range:

- Standard range: 50 - 250 Pa.
- High pressure range: 150 - 650 Pa.

Temperature range of use: 10 - 60°C.

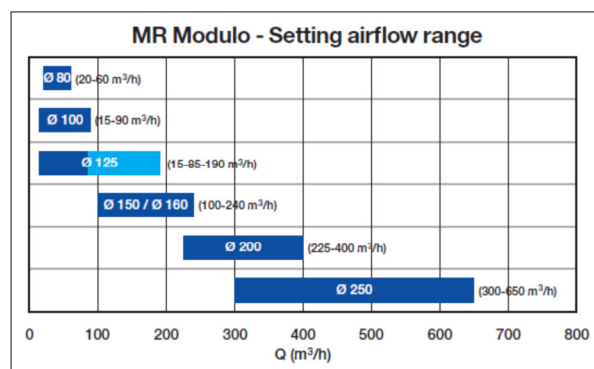
MR Modulo



The MR Modulo regulates to an adjustable airflow.
One code corresponds to several airflow setting options.
The MR MODULO incorporates a rotating ring for a tool-free airflow setting.
8 codes, 7 diameters.

Technical features

The MR Modulo is available in a standard version (50 - 250 Pa).



Airflow accuracy:

- +/- 5 m³/h for nominal flow ≤ 50 m³/h.
- +/- 10% for nominal flow > 50 m³/h.

Operating Pressure range: 50 - 250 Pa.

Temperature range of use: -10 - 60°C.