Constant Airflow Regulators

Rectangular Constant Airflow Regulator



MR MAX-R

APPLICATION

- Airflow is automatically regulated at a pre-set value in rectangular ducts, independently of the varying pressure in the duct.
- Installation of CMEV and air conditioning
- Air exhaust or air supply.
- Operating pressure range up to 1000 Pa.

DESCRIPTION

- Galvanized steel construction with flanged duct connection.
- Volume flow controllers work with a smooth-running, asymmetrically angled plate, which guarantees a sensitive responding behavior even in case of low volume flows.
- Control plate is supported by two maintenance free PTFE bearings.
- Flow rate can be easily set or reset within airflow range by using 2 mm Allen key.
 Airflow tolerances:
- Operating temperature range : -30 °C / +100 °C.
- Minimum size: W = 150 mm; H = 100 mm; L = 220 mm
- Maximum size: W = 600 mm; H = 300 mm; L = 385 mm Note: Width must be same or larger than Height.

INSTALLATION

- Adjustment of the required airflow is possible from outside.
- Airflow direction as per the drawing.
- Undisturbed airflow profile at the inlet of the volume flow controller is recommended.
- Horizontal or vertical installation.

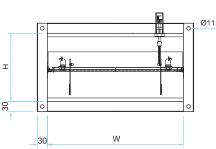
RANGE

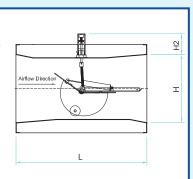
44008250 MR MAX-R 200X100 202-698CMH/119-411CFM 44008251 MR MAX-R 300X100 216-799CMH/127-470CFM MR MAX-R 400X100 302-1094CMH/178-644CFM 44008252 MR MAX-R 150X150 243-729CMH/143-429CFM 44008253 MR MAX-R 300X150 486-1458CMH/178-644CFM 44008254 MR MAX-R 200X200 432-1296CMH/254-763CFM 44008255 MR MAX-R 300X200 648-1944CMH/381-1144CFM 44008256 MR MAX-R 400X200 864-2592CMH/508-1525CFM 44008257 MR MAX-R 300X300 972-2916CMH/572-1716CFM 44008258 MR MAX-R 450X300 1458-4374CMH/858-2574CFM 44008259 MR MAX-R 600X300 1944-5832CMH/1144-3432CFM 44008260

AVAILABLE OPTIONS

Description				
Stainless Steel INOX 304 construction				
Stainless Steel INOX 316 construction				
Insulated version with 30 mm thick thermal insulation				
Special version with high temperature resistance 250°C				
Explosion Proof version according to ATEX				

DIMENSIONS





Advantages

External adjustment of airflow.
Wide range of airflow.
Suitable for high airflow & high pressure systems.

· Maintenance free.

W (mm)	H (mm)	L (mm)	H₂ (mm)	Airflow Range (m³/ h)
200	100	220	70	200 - 600
300	100	220	70	200 - 800
400	100	220	70	300 - 1100
150	150	220	70	200 - 700
300	150	220	70	400 - 800
200	200	220	70	400 - 1000
300	200	220	70	500 - 2000
400	200	220	70	600 - 2800
300	300	385	60	700 - 3000
450	300	385	60	1000 - 4500
600	300	385	60	1500 - 6500

Other combinations of **W** and **H** available upon request.

• Required airflow range must be informed at the time of placing the order.

MINIMUM STATIC PRESSURE DIFFERENCE AT THE CONTROLLER

