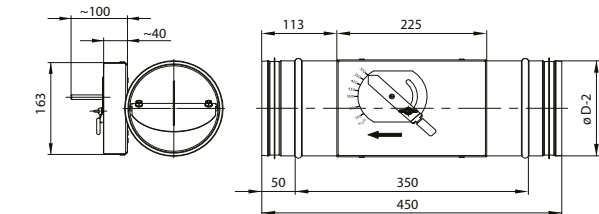


MVF Varioflow® – constant flow regulator



MVF

Technical parameters

The MVF constant flow controller for circular ducts is used for automatic control of the supply and extract air flow. It ensures a constant air flow value regardless of the pressure conditions in the pipe network.

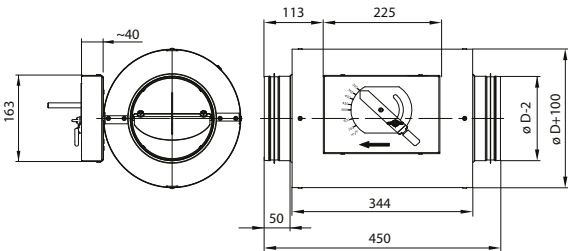
- for inlet and outlet
- simple design
- good control properties
- easy adjustment of large-scale installations
- low noise level

Construction

The flow regulator is made of galvanized steel sheet. Operating temperature -20° to +70°C. The control unit is fixed to the desired flow rate. When the air flow rate increases, the pressure difference in the regulator increases and the damper closes, and thus reduce the valve's flow cross-section. This causes the flow rate to drop back to the original value.

Notice

When designing and installing, care must be taken to ensure that the pressure in the pipe does not exceed 1000 Pa and the minimum pressure loss corresponds to the loss shown in the diagram. Otherwise the regulator will not perform its function and may be a source of noise.



MVF-I

Type	$\varnothing D$ [mm]	Q min [m³/h]	Q max [m³/h]
MVF/MVF-I	100	100	200
MVF/MVF-I	125	160	400
MVF/MVF-I	160	300	700
MVF/MVF-I	200	450	1200

Type	$\varnothing D$ [mm]	Q min [m³/h]	Q max [m³/h]
MVF/MVF-I	250	500	1800
MVF/MVF-I	315	900	2500
MVF/MVF-I	400	1400	4500

Type key for ordering

M V F - I 2 0 0
1 2

1 – type

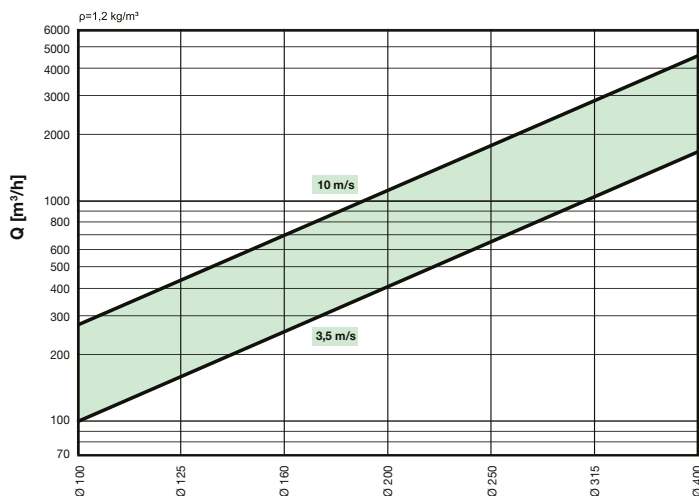
MVF – standard design

MVF-I – acoustic insulated design
50 mm thick

2 – nominal diameter (mm)

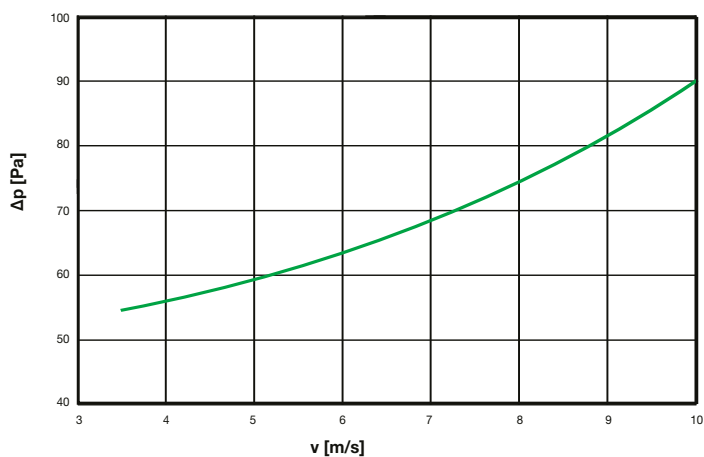
Characteristics

Dependence of air flow on velocity



Setting the desired constant flow rate only possible for air speeds of 3.5-10 m/s

Minimum pressure loss



Q – air flow m³/h, l/s
v – air velocity m/s
Δp – pressure drop (Pa)