

MD-160/200/250/315/400

MANUAL DAMPER

The MD range consists of manual dampers (valves) to be installed in an extraction duct to regulate or shut off the airflow.

The damper has a turning circular blade with a rubber seal which tightens against the inside of the damper when closed.

The valve can be set in any desired position by turning the knob at the top side. Each damper comes with a loose handle which can be mounted on the knob to facilitate turning.

The valve can be set in a fixed position by tightening the adjustment screw.



SPECIFICATIONS

■ Physical dimensions and properties	
Material tube	zinc-plated steel
Colour tube	natural
Seal circular blade	EPDM rubber
■ Product combinations	
AD-range	automatic dampers
■ Scope of supply	
Manual damper - Handle	
■ Order information	
Article number	refer to Table 1
Number/package	1
■ Shipping data	
Harmonized Tariff Code	8481.3091.90
Country of origin	the Netherlands

Remaining specifications: refer to Table 1

FEATURES

Kenlock seals ensure airtight duct installation



TABLE 1: REMAINING SPECIFICATIONS

	MD-160	MD-200	MD-250	MD-315	MD-400
Article no.	7900112020	7900103010	7900104020	7900105020	7900103020
Tube length	167 mm	167 mm	210 mm	210 mm	240 mm
Effective length in duct	100 mm	100 mm	100 mm	100 mm	100 mm
Tube diameter	Ø 160 mm	Ø 200 mm	Ø 250 mm	Ø 315 mm	Ø 400 mm
Height (incl. knob)	205 mm	245 mm	295 mm	360 mm	445 mm
Weight (net)	800 g	1050 g	1650 g	2300 g	3500 g
Weight (gross)	1000 g	1300 g	2000 g	2700 g	4100 g
Packing dimensions	230 x 230 x 210 mm	310 x 220 x 225 mm	360 x 270 x 285 mm	425 x 325 x 300 mm	425 x 425 x 280 mm

PRESSURE DROP AND SOUND LEVEL

- Pressure drop: Pa
- Sound level: dB(A)

The solid curves show the pressure drop, Δp_t , over the damper as a function of flow q , and setting angle α . The dashed curves give the A-weighted sound pressure level, L_{WA} , in dB to the duct.

Angle: $0^\circ = 100\%$ open; $90^\circ = 100\%$ closed
 Angle setting related to 100% open.

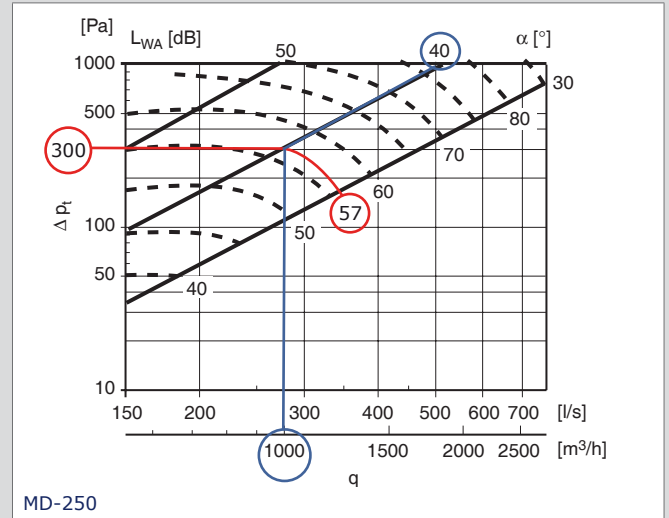
Example

Given:

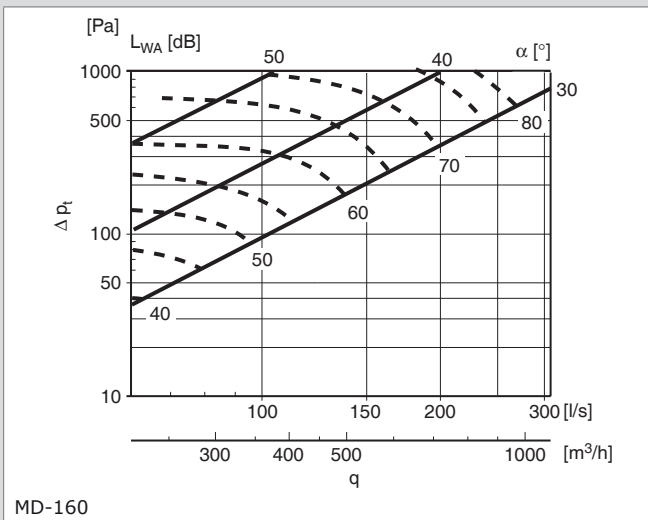
- Dimension \varnothing 250 mm
- Airflow **1000 m³/h**
- Setting angle **40°**

Obtained from graph:

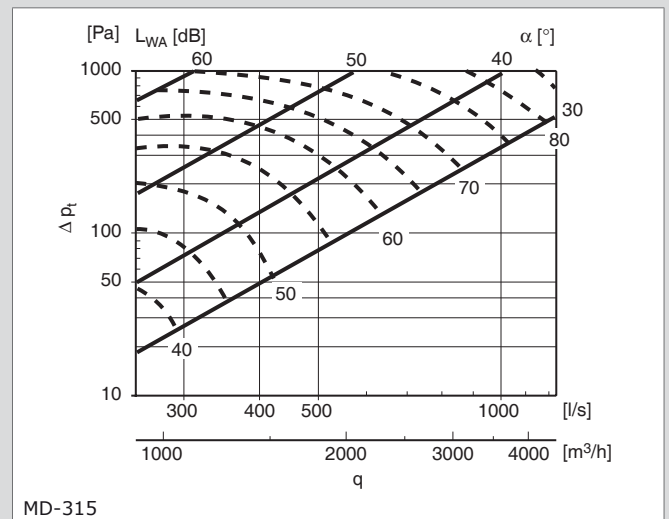
- Pressure drop **300 Pa**
- Sound pressure level **57 dB(A)**



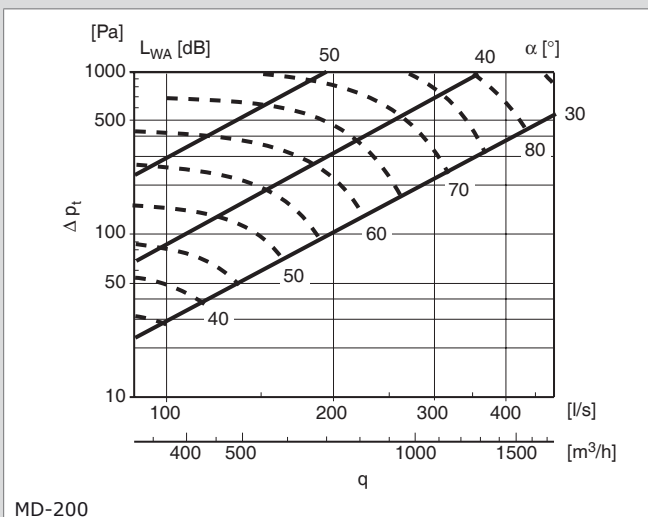
MD-250



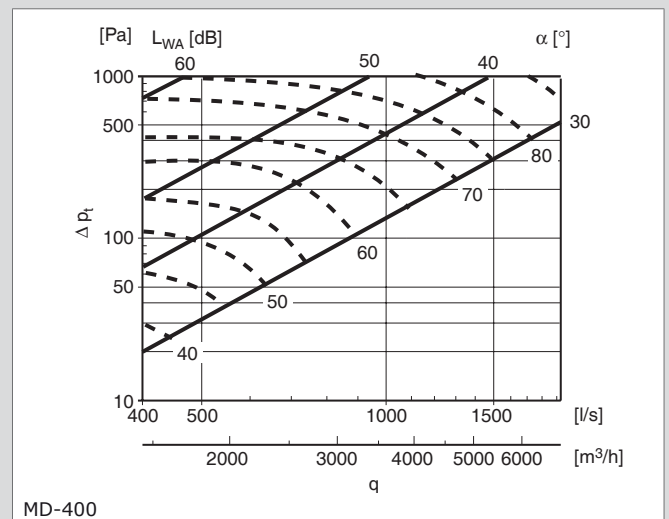
MD-160



MD-315



MD-200



MD-400

Product type	MD-160/200/250/315/400
Article no.	refer to Table 1
Product category	options and accessories
Version	091210/B

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