

MD-6/8/10/12/16

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-6	MD-8	MD-10	MD-12	MD-16
Article no.	7900113020	7900107020	7900108020	7900109020	7900111020
Tube length	167 mm (6.6 in.)	167 mm (6.6 in.)	210 mm (8.3 in.)	210 mm (8.3 in.)	240 mm (9.4 in.)
Effective length in duct	100 mm (3.9 in.)	100 mm (3.9 in.)	100 mm (3.9 in.)	100 mm (3.9 in.)	100 mm (3.9 in.)
Tube diameter	Ø 6 inch	Ø 8 inch	Ø 10 inch	Ø 12 inch	Ø 16 inch
Height (incl. knob)	205 mm (8.1 in.)	245 mm (9.6 in.)	295 mm (11.6 in.)	360 mm (14.2 in.)	445 mm (17.5 in.)
Weight (net)	800 g (1.8 lbs)	1100 g (2.4 lbs)	1750 g (3.9 lbs)	2050 g (4.5 lbs)	3900 g (8.6 lbs)
Weight (gross)	1000 g (2.2 lbs)	1350 g (3.0 lbs)	2100 g (4.6 lbs)	2450 g (5.4 lbs)	4500 g (9.9 lbs)
Packing dimensions	230 x 230 x 210 mm (9.1 x 9.1 x 8.3 in.)	310 x 220 x 225 mm (12.2 x 8.7 x 8.9 in.)	360 x 270 x 285 mm (14.2 x 10.6 x 11.2 in.)	425 x 325 x 300 mm (16.7 x 12.8 x 11.8 in.)	425 x 425 x 280 mm (16.7 x 16.7 x 11.0 in.)

PRESSURE DROP AND SOUND LEVEL

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

The solid curves show the pressure drop, Δp_r , 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.

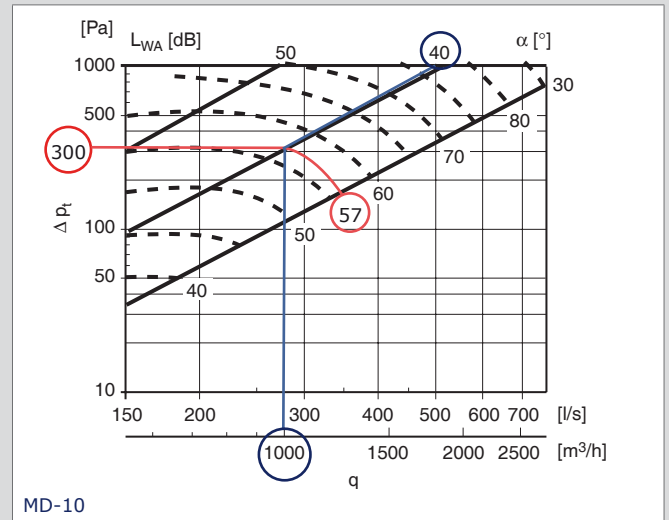
Example

Given:

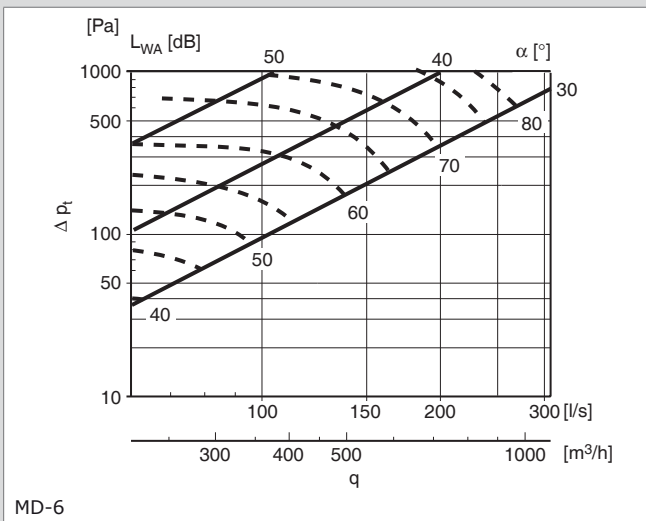
- Dimension \varnothing 10 inch
- Airflow **1000 m³/h**
- Setting angle **40°**

Obtained from graph:

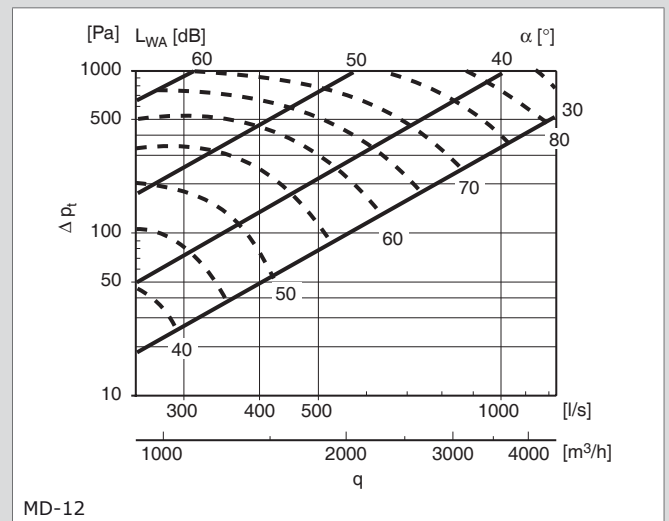
- Pressure drop **300 Pa**
- Sound pressure level **57 dB(A)**



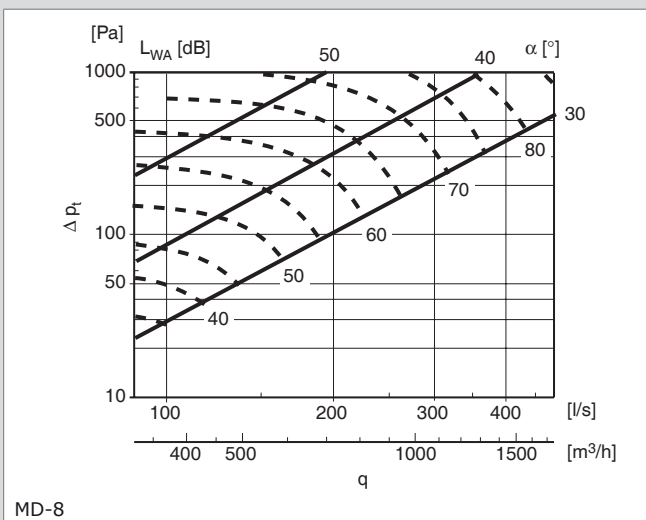
MD-10



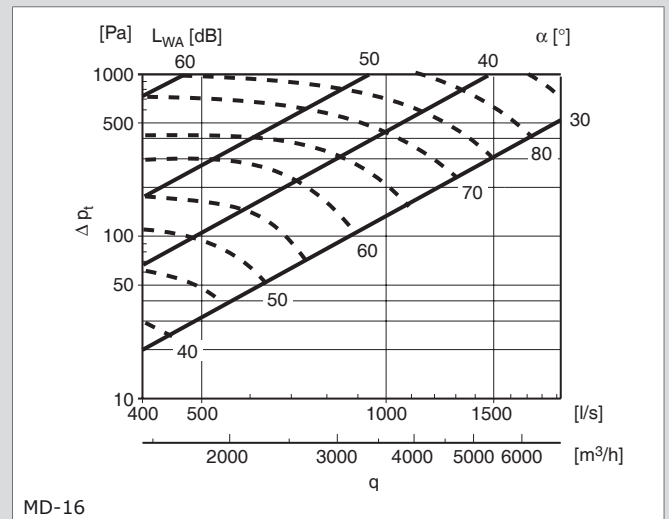
MD-6



MD-12



MD-8



MD-16

Product type	MD-6/8/10/12/16
Article no.	refer to Table 1
Product category	options and accessories
Version	091210/A

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