



RDTM 1000x300 .01 -

Design with manual control

Size:	1000x300/150
Flow rate V:	5000 m ³ /h
Media speed w:	4.6 m/s
Pressure loss Δp_{cv} :	< 5 Pa
Sound power level LWA:	42.8 dB(A)
Weight:	10.3 kg
Effective damper's area S _{ef} :	0.218 m ²

Description

Multi blade tight regulation dampers RDTM (hereinafter referred also shortly as the "dampers") are intended to be used in buildings – in heating, ventilation and air-conditioning (HVAC) systems. Controlled changes of the damper effective cross-section allow to adjust the air flow rate. The damper also allows to cut the air flow completely whenever requested, forming an air-tight barrier.

The dampers consist of a rectangular steel body (frame), set of steel counter-running blades equipped with EPDM gaskets and closed from the both sides by sealing end-cups from a composite material based on polyamide with suppressed flammability V-0 in accordance with UL 94 (halogen-free), blade shaft from steel with composite plain bearings (or stainless-steel plain bearings, on demand), steel rod mechanism, and from a manual control, or from actuator control (with actuator), or the damper is just ready for actuator mounting (without actuator), respectively.

The dampers are characterized by:

- effort-less, smooth, silent running
- rigid blades with good aerodynamics
- two blade sizes to guarantee optimum filling of the cross-section
- silicone-free design
- wide application range

Characteristics

- For regulation/adjustment of the airflow
- Very small torque needed to operate the damper
- Manual or electrical actuating
- Standard range from 200 × 200 mm to 2 000 × 2 000 mm
- Leakage acc. EN 1751: - casing leakage: class ATC 3 - closed blade leakage: class 3
- Made of galvanised or stainless steel
- Minimised pressure drop and noise: - two blade sizes - aerodynamic blade profile - casing leading edge cut at angle where appropriate
- Includes a flange for connection to the duct

- Silicone free, halogen free, lead free
- UV stabilisation and flammability suppression class V-0
- Casing, blades and mechanics reaction to fire class A1
- Offered also in design for potentially explosive atmospheres