



## Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use  
in Potentially Explosive Atmospheres  
(Directive 2014/34/EU)

(3) Type Examination Certificate number:

**FTZÚ 24 ATEX 0010X**

(4) Product: **Multi blade regulation damper type RDM, RDTM**

(5) Manufacturer: **MANDÍK, a.s.**

(6) Address: **Dobříšská 550, 267 24 Hostomice, Czech Republic**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

The examination and test results are recorded in confidential Report number:

**24/0010 dated 29.05.2024**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN ISO 80079-36:2016, EN IEC 60079-0:2018**

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) This type examination certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.

(12) The marking of the product shall include the following:

 **II 2G Ex h IIC T6 Gb**

This certificate is valid till: **31.05.2029**

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 31.05.2024

Page: 1/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.  
This certificate may only be reproduced in its entirety and without any change, schedule included.



**Physical-Technical Testing Institute  
Ostrava - Radvanice**

(13)

**Schedule**

(14)

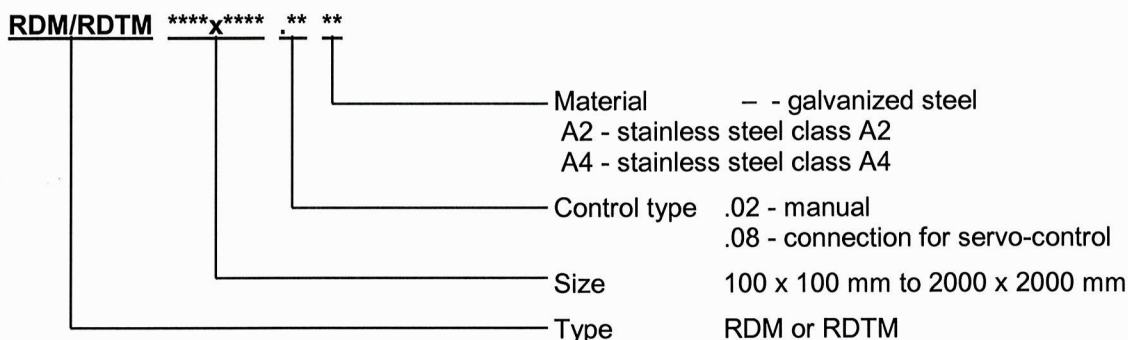
**Type Examination Certificate No. FTZÚ 24 ATEX 0010X**

(15) Description of Product:

The multi blade regulation dampers RDM and RDTM are intended for the ducting of the air conditioning systems in buildings, where they enable regulation of the airflow by changing the effective cross-section. Dampers RDTM are, compared to RDM, equipped with sealing of each blade, which allows tight closing of the ducting when needed.

Dampers consist of rectangular steel body with dimensions from 100 x 100 mm to 2000 x 2000 mm and system of steel contra-rotating blades equipped with sealing end-capes connected through steel blade-shafts with slide bearings, rod mechanism and alternatively connection for servo-control or manual control.

Type key:



(16) Report Number: 24/0010

(17) Specific Conditions of Use:

1. Ambient temperature range:  $-20^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$
2. In case the servo-drive is used, it has to have corresponding protection with minimum EPL Gb.
3. Maximum velocity of the blades must not exceed 1 m/s.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 31.05.2024

Page: 2/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.  
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical-Technical Testing Institute  
Ostrava - Radvanice

(13)

Schedule

(14)

**Type Examination Certificate No. FTZÚ 24 ATEX 0010X**

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
831-0000-000-01	-	1	16.05.2024	Drawing
831-0000-000-02	-	1	16.05.2024	Drawing
831-0000-000-03	-	1	16.05.2024	Drawing
831-0000-000-04	-	1	16.05.2024	Drawing
831-0000-000-05	-	1	16.05.2024	Drawing
313-0004-002		1	27.03.2024	Label
IN_041	1	5	24.04.2024	Technical description
MAN 168/24	-	7	24.04.2024	Manual for use
--	1	4	24.04.2024	Risk analysis

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 31.05.2024

Page: 3/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.  
This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic  
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz