



(1) **Supplementary Type Examination Certificate No. 4**

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

(3) Type Examination Certificate number:

FTZÚ 06 ATEX 0339X

(4) Product: **Regulation Damper type RKM resp. RKTМ, RKKM and RKKTM and Air Flow
Controller type RPM-V and RPMС-V**

(5) Manufacturer: **MANDÍK, a.s.**

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

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 06 ATEX 0339X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute certifies that this product, as modified by this supplementary certificate, 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 the Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

(9) In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

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

EN ISO 80079-36:2016, EN ISO 80079-37:2016

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) The marking of the product shall include the following:

see point (15) of this certificate

(12) This certificate is valid till: **31.08.2030**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.08.2025

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Physical-Technical Testing Institute
Ostrava - Radvanice

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Supplementary Type Examination Certificate No. 4
to FTZÚ 06 ATEX 0339X

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Extension with a new type
 - a) Scope of certificate is extended with the air flow controller type RPMC-V. Construction is identical with construction of already certified damper type RKTm but includes also air flow controller that with the pressure detector evaluates automatically the air flow.
 - b) Scope of certificate is extended with the air flow controller type RPM-V. Construction is identical with construction of already certified damper type RKKM but includes also air flow controller that with the pressure detector evaluates automatically the air flow.
- Extension of certificate validity.

There were no construction or material changes applied on the originally certified devices.

Marking of the product:

	II 2G Ex h IIC T6 Gb	non-electric part of dampers and controllers
	II 2G Ex IIC T6...T5 Gb	assembly of air flow controller with Schischek equipment
	II 2G Ex IIC T4 Gb	assembly of air flow controller with pi-safety equipment

Regulation dampers RKM, RKTm, RKKM, RKKTM are intended for ductwork of air handling equipment in buildings, where they allow to regulate the air flow by changing their effective clearance. Air flow controllers RPM-V and RPMC-V also control the air flow and regulate it automatically.

Dampers/regulators RKM, RKTm and RPMC-V consist of rectangular steel body with dimensions from 100x100 mm to 2400x2400 mm (200x100 mm – 1000x1000 mm for RPMC-V) and set of steel counter-rotating blades (lamellas) equipped with sealing end-capas connected through steel blade-shafts with slide bearings and steel rod mechanism. Dampers/regulators RKKM, RKKTM and RPM-V are round regulating enclosures with dimensions from DN 80 mm to DN 800 mm (DN 80mm to DN 630 mm for RMP-V). Their body is equipped with a moving sealed leaf. All dampers/regulators can be controlled by servodrive and dampers without regulator alternatively also by manual control. The whole construction is conductively connected and equipped with the earthing point.

Assessment of the servodrive of the regulation damper and its connection is not part of this assessment.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.08.2025

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(15) Description of the variation to the Product: - continuation

Air flow controllers RPM-V and RPMC-V are equipped below listed devices. Controller system consists either from devices from manufacturer Schischek or manufacturer pi-safety as described below:

Assembly marked as Ex II 2G Ex IIC T6...T5 Gb (-20 °C ≤ Ta ≤ 40 °C or -20 °C ≤ Ta ≤ 50 °C)

- Controller Schischek type ExReg-V-..., protection Ex II 2(1)G Ex eb mb ib [ia Ga] IIC T6 Gb, approved within certificate EPS 11 ATEX 1380,
- Actuator Schischek type ExMax-..., protection Ex II 2(2)G Ex db [ib Gb] IIC T6, T5, T4 Gb, approved within certificate EPS 17 ATEX 1132 X

Assembly marked as Ex II 2G Ex IIC T4 Gb (-20 °C ≤ Ta ≤ 58 °C)

- Actuator pi-safety type QT.Ex-... with Power Supply type QT.Ex-MSL, protection Ex II 2(1)G Ex db eb ib mb [ia Ga] IIC T4 Gb, II 2G Ex h IIC T4 Gb, approved within certificate EPS 17 ATEX 1020 X,
- Controller pi-safety type AC.Ex, protection Ex II 2(1)G Ex eb mb ib [ia Ga] IIC T4 Gb, approved within certificate EPS 22 ATEX 1338 X,
- Pressure sensor pi safety type IY.Ex, protection Ex II 1/2G Ex ia IIC T6...T1 Ga/Gb, approved within certificate EPS 22 ATEX 1338 X.

(16) Report Number: 06/0339/4

(17) Specific Conditions of Use:

1. Ambient temperature range:

- | | |
|---------------------|---|
| -20 °C ≤ Ta ≤ 70 °C | for regulation dampers RKM, RKTm, RKKM, RKKTM |
| -20 °C ≤ Ta ≤ 60 °C | for air flow controllers RPM-V, RPMC-V without electrical equipment |
| -20 °C ≤ Ta ≤ 40 °C | for T6 for air flow controllers RPM-V, RPMC-V with Schischek |
| -20 °C ≤ Ta ≤ 50 °C | for T5 for air flow controllers RPM-V, RPMC-V with Schischek |
| -20 °C ≤ Ta ≤ 58 °C | for T4 for air flow controllers RPM-V, RPMC-V with Pi-Safety |

2. In case the servo-drive is used with dampers RKM, RKTm, RKKM, RKKTM, it has to have corresponding protection with minimum EPL Gb and ambient temperature has to be within the range of allowed ambient temperature of the used servodrive.
3. Electrical equipment installed together with the regulator has to have protection corresponding with the explosive atmosphere. The wiring of intrinsically safe devices must be carried out according to the requirements of EN 60079-25.
4. Special conditions of use for devices installed within air flow controllers are listed in manual for use MAN 169/25 and/or MAN170/25 from 5/2025 and in individual manuals for use of listed devices.
5. Maximum velocity of the blades mustn't exceed 1 m/s.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.08.2025

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Physical-Technical Testing Institute
Ostrava - Radvanice

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(14) **Supplementary Type Examination Certificate No. 4
to FTZÚ 06 ATEX 0339X**

(18) Essential Health and Safety Requirements:

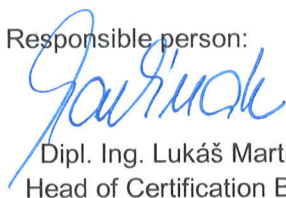
Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Issue	Sheet	Date	Description
0401-01E02-000a	-	1	26.02.2025	Drawing
0401-02E02-000a	-	1	26.02.2025	Drawing
0401-04E02-000a	-	1	26.02.2025	Drawing
401-5034-003	-	4	24.06.2025	Nameplate
--	-	3	02.06.2025	Ignition hazard assessment for RPM-V and RPMC-V
MAN_009/00	-	15	07.05.2025	Manual for use RKM, RKTМ
MAN_169/25	-	14	25.07.2025	Manual for use RPMC-V
MAN_170/25	-	12	25.07.2025	Manual for use RPM-V
MAN_171/25	-	13	07.05.2025	Manual for use RKKM, RKKTM
--	-	1	24.06.2025	List of equipment of RPMC-V and RPM-V

Rest of technical documentation remains unchanged and is listed in the original certificate and its supplementary certificates no. 1, 2 and 3.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.08.2025

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(1) **Supplementary Type Examination Certificate No. 3**

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

(3) Type Examination Certificate number:

FTZÚ 06 ATEX 0339X

(4) Product: **Regulation Damper type RKM resp. RKTm, RKKM a RKKTM**

(5) Manufacturer: **MANDÍK, a.s.**

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

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 06 ATEX 0339X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute certifies that this product, as modified by this supplementary certificate, 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 the Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

(9) In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

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

EN ISO 80079-36:2016

EN ISO 80079-37:2016

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

Ex II 2G Ex h IIC T6...T3 Gb

(12) This certificate is valid till: **30.09.2025**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.09.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

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**Supplementary Type Examination Certificate No. 3
to FTZÚ 06 ATEX 0339X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- extension with the new version:
Fire dampers RKKTM were extended with the version with the flap leaf made from one piece of metal plate with the sealing pulled on it. Original version of the flap leaf made from two pieces of metal plates welded to each other, with the sealing mounted between them, is kept.
- extension of series:
Series of round fire dampers RKKM and RKKTM was extended up to sizes DN800.
- recertification according to the actual standard;
- prolongation of the certificate validity.

There were made only such changes of the product that have no effect to the safe construction of the product.

(16) Report Number.: 06/0339/3

(17) Specific Conditions of Use:

1. The ambient temperature range is $-20^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$.
2. The electrical devices installed together with the regulation damper must comply the specified hazardous area.
3. The temperature class of the equipment is dependent on the temperature of the flowing medium according to the table:

The maximum temperature of flowing medium	Temperature class
68°C	T6
98°C	T5
140°C	T3

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.09.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

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(14) **Supplementary Type Examination Certificate No. 3
to FTZÚ 06 ATEX 0339X**

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Date	Description
0313-1100-XXXa	1	07.12.2005	Drawing
0313-3100-XXXb	1	22.12.2016	Drawing
0330-2502-xxx	1	02.09.2020	Drawing
0330-2302-xxx	1	02.09.2020	Drawing
0330-2602-xxx	1	02.09.2020	Drawing
0330-2102-xxx	1	03.09.2020	Drawing
313-0004-001	1	14.07.2020	Name plate
009	1	13.07.2020	Risk analysis
MAN 009	10	30.09.2020	Manual for use

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.09.2020

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(1) **Supplementary Type Examination Certificate No. 2**

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

(3) Type Examination Certificate number:

FTZÚ 06 ATEX 0339X

(4) Product: **Control damper type RKM or RKTm, RKKM and RKKTM
(circular including spiro design)**

(5) Manufacturer: **MANDÍK, a.s.**

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

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 06 ATEX 0339X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute certifies that this product, as modified by this supplementary certificate, 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 the Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

(9) In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

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


EN 13463-1:2009; EN 13463-5: 2011

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

 **II 2/2G c TX** according to air temperature

(12) This certificate is valid till: **31.12.2021**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.01.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

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(14) **Supplementary Type Examination Certificate No. 2
to FTZÚ 06 ATEX 0339X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus;
- Modification of apparatus marking
- Prolongation of certificate validity.

Modifications - implemented the seal in the tight execution, at the circle flap different plug and fixing of the sheet on the plug

(16) Report Number.: 06/0339/2

(17) Specific Conditions of Use:

None additional to those listed previously.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheet	Date	Description
009	6	01.01.2017	Návod k použití
0313-1100-XXXa	1	07.12.2005	Regulační klapka čtyřhranná .02
0313-3100-XXXb	1	22.12.2016	Reg. klapka těsná čtyřhranná .02
0330-2102-xxx	1	22.12.2016	Regulační klapka kruhová potrubí, .02
0330-2202-xxx	1	22.12.2016	Regulační klapka kruhová spiro, .02
0330-2302-xxx	1	22.12.2016	Regulační klapka kruhová těsná potrubí, .02
0330-2402-xxx	1	22.12.2016	Regulační klapka kruhová těsná spiro, .02
N313-0000-039a	1	30.01.2017	Štítek označení

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.01.2017

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(1) **Supplement No. 1 to
Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) Type Examination Certificate Number:

FTZÚ 06 ATEX 0339X

(4) Equipment: **Control damper type RKM or RKTm, RKKM and RKKTM
(circular including spiro design)**

(5) Manufacturer: **MANDÍK, a.s.**

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

(7) This supplement of certificate is valid for: - prolongation of certificate validity
- change of address

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, a list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains other requirements which manufacturer shall fulfil before products are placed on market or introduced in service.

(10) Safety requirements of modified parts were fulfilled by satisfying of following standards:

EN 13463-1:2009; EN 13463-5:2011

(11) Marking of equipment shall contain symbols:

 **II 2G c**

(12) This type examination certificate is valid till: **31.12.2016**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 30.03.2012

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**Physical Technical Testing Institute
Ostrava-Radvanice**

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**Supplement No. 1 to
Type Examination Certificate N° FTZÚ 06 ATEX 0339X**

(15) Description of Equipment or Protective System:

See certificate FTZÚ 06 ATEX 0339X.

This supplement extends certificate validity and confirms application of requirements for equipment in accordance with nowadays valid technical standards mentioned in clause (10) of this supplement.

(16) Report No. : 06/0339 + 06/0339 D1

16 + 2 pages

(17) Special conditions for safe use:

The explosion-proof electrical apparatus installed together with the fire damper must comply the hazardous area classification according to 60079-10 outside and inside of fire damper.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this supplement.

(19) LIST OF DOCUMENTATION

See certificate FTZÚ 06 ATEX 0339X

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 30.03.2012

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Physical Technical Testing Institute
Ostrava-Radvanice



Type Examination Certificate

Equipment Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) Type Examination Certificate Number:

FTZÚ 06 ATEX 0339X

(4) Equipment: **Control damper type RKM or RKTМ, RKKM and RKKTM
(circular including spiro design)**

(5) Manufacturer: **MANDÍK, a.s.**

(6) Address: **Hostomice 555, 267 24 Hostomice, Czech Republic**

(7) This equipment or protective system and any of 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 equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of Category 2 equipment, which is intended for use in potentially explosive atmospheres given in Annex II to the Council Directive 94/9/EC.

The examination and test results are recorded in confidential Report N°

06/0339 dated December 2006

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 13463-1:2001; EN 13463-5: 2003

(10) If the sign „X“ is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

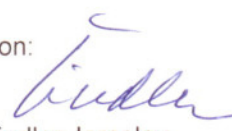
(11) This TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include following:



This Type Examination Certificate is valid till: **31.12. 2011**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 22.12. 2006

Number of pages: 3

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Physical Technical Testing Institute
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Type Examination Certificate N° FTZÚ 06 ATEX 0339X

(15) Description of Equipment:

The control dampers are regulating closures in pipelines of air conditioning. The control dampers are produced in circular and square series in sizes according to drawings. The construction is made of zinc-plated or stainless steel plate point welded. The dampers are produced in sealed (tight) or normal (untight) design. The regulation is usually carried out manually. The whole design of damper is interconnected and provided with earthing terminal. The possibly used explosion-proof electrical apparatus is verified separately and doesn't form part of damper.

(16) Report No.: 06/0339

14 + 2 pages

(17) Special conditions for safe use:

The explosion-proof electrical apparatus installed together with the control damper must comply the hazardous area classification according to 60079-10 outside and inside of control damper.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9) of this certificate.

Responsible person:

Dipl. Ing. Sindler Jaroslav
Head of certification body



Date of issue: 22.12. 2006

Number of pages: 3

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Type Examination Certificate N° FTZÚ 06 ATEX 0338X

(19)

LIST OF DOCUMENTATION

- Drawing No. 0313-1102-xxx a ... on 07.12.2005
- 0313-3100-xxx a ... on 07.12.2005
- 0330-0102-xxx ... on 30.11.2005
- 0330-0202-xxx ... on 30.11.2005
- 0330-0302-xxx ... on 30.11.2005
- 0330-0402-xxx ... on 30.11.2005
- N313-0000-039 ... on 11.12.2006

- Instruction for use No. 009 ... on 01.12.2006

- Risk analysis No. 009

