



(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 0338X

(4) Product: **Fire damper type FDMA, PKTMJ-90 a PKTMJ-120**

(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 0338X 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:

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

(12) This certificate is valid till: **31.12.2026**

Responsible person:

V z. Jgon

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 21.12.2021

Page: 1/3



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary Type Examination Certificate No. 4
to FTZÚ 06 ATEX 0338X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Change of the type name of the dampers PKTM-90:
Type name of the fire dampers PKTM-90 was changed to FDMA. Construction of the flaps and used materials remain unchanged.
- Evaluation according to the newest standards.
- Extension of certificate validity.

Fire dampers are regulation closures in the ducting of the air conditioning equipment which prevent propagating of the fouling from one fire cell to another by closing of the air piping in the place of installation. The fire dampers are manufactured either round or rectangular. The damper leaf is closed by the spring either manually, by the heat fuse or by servo-drive and the temperature sensor. After closing the damper is tight against the smoke by the silicone sealing. The whole construction of the fire damper is conductively connected and equipped by the earthing point. Electrical devices used together with the damper and their connection are not covered by this certification.

(16) Report Number: 06/0338/4

(17) Specific Conditions of Use:

1. The fire damper is suitable for the use with the ambient temperature $T_a = -20^{\circ}\text{C}/+50^{\circ}\text{C}$.
2. The electrical devices installed together with the damper must have the type of protection corresponding with the defined zone.
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	Initialization temperature of heat fuses	Temperature class
68°C	$\geq 72^{\circ}\text{C}$	T6
98°C	$\geq 104^{\circ}\text{C}$	T5
140°C	$\geq 147^{\circ}\text{C}$	T3

Responsible person:

V. z. J. J. J.

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 21.12.2021

Page: 2/3



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary Type Examination Certificate No. 4
to FTZÚ 06 ATEX 0338X**

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
0450-0142-xxx	-	1	17.12.2021	Drawing
0450-0181-xxx	-	2	17.12.2021	Drawing
0315-0202-xxx c	-	1	21.10.2021	Drawing
0315-0302-xxx c	-	1	21.10.2021	Drawing
0315-1102-xxx b	-	1	20.12.2016	Drawing
0315-1202-xxx b	-	1	21.12.2016	Drawing
389-5033-006	-	1	17.01.2020	Drawing
--	-	1	10.12.2021	Risk analysis
--	-	12	01.11.2021	Manual for use

Responsible person:

v z. Jgon

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 21.12.2021

Page: 3/3

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Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 00 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, ftzu@ftzu.cz, www.ftzu.cz



(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 0338X

(4) Product: **Fire damper type PKTM-90 or PKTM-120, PKTMJ-90 and PKTMJ-120
(square or 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 0338X 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:

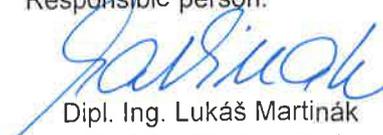
EN 13463-1:2009; EN 13463-5:2011

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

 **II 2/2G c**

(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

Page: 1/2



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

Supplementary Type Examination Certificate No. 3
to FTZÚ 06 ATEX 0338X

(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 - added rubber sealing.

(16) Report Number.: 06/0338/3

(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	Sheets	Date	Description
018	12	01.01.2017	Návod k použití
0315-0102-xxx b	1	20.12.2016	Požární klapka čtyřhranná
0315-0202-xxx b	1	21.12.2016	Požární klapka kruhová
0315-0302-xxx b	1	21.12.2016	Požární klapka kruhová-spiro
0315-1102-xxx b	1	20.12.2016	Požární klapka čtyřhranná
0315-1202-xxx	1	21.12.2016	Požární klapka kruhová
N313-5033-0039b	1	30.01.2017	Štítek označení

Responsible person:

Date of issue: 31.01.2017


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Page: 2/2



(1) **Supplement No. 2 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 0338X

(4) Equipment: **Fire damper type PKTM-90 or PKTM-120, PKTMJ-90 and PKTMJ-120
(square or 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: - modification of certified apparatus

(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:

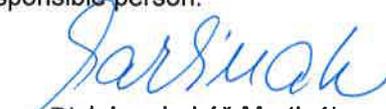
EN 13463-1:2009; EN 13463-5:2011

(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: 23.03.2015

Page: 1/2

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

**Supplement No. 2 to
Type Examination Certificate N° FTZÚ 06 ATEX 0338X**

(15) Description of Equipment or Protective System:

See certificate FTZÚ 06 ATEX 0338X.

This supplement changes the range of ambient temperature from -20°C to +60°C.

(16) Report No. : 06/0338 + 06/0338-D1 + 06/0338-D2

(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 EN 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 0338X

Drawing No. N315-5033-20 05.03.2015

Instruction for use No. 018 09.03.2015

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 23.03.2015

Page: 2/2

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Supplement No. 1 to Type Examination Certificate

(1)

(2)

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

(3) Type Examination Certificate Number:

FTZÚ 06 ATEX 0338X

(4) Equipment:

**Fire damper type PKTM-90 or PKTM-120, PKTMJ-90 and PKTMJ-120
(square or 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 the 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

Page: 1/2

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

**Supplement No. 1 to
Type Examination Certificate N° FTZÚ 06 ATEX 0338X**

(15) Description of Equipment or Protective System:

See certificate FTZÚ 06 ATEX 0338X.

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. : 06/0338 + 06/0338-D1

17 + 3 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 EN 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 0338X

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 30.03.2012

Page: 2/2

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Type Examination Certificate

(1)

(2)

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

(3) Type Examination Certificate Number:

FTZÚ 06 ATEX 0338X

(4) Equipment: **Fire damper type PKTM-90 or PKTM-120, PKTMJ-90 and PKTMJ-120
(square or 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°

06/0338 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.

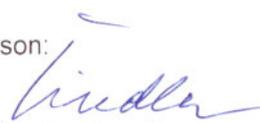
(11) This TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system.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

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

Ex II 2G c

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

Page: 1/3

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

Type Examination Certificate N° FTZÚ 06 ATEX 0338X

(15) Description of Equipment:

The fire damper are closures in pipelines of air conditioning, that prevent propagation of fire and combustion products from one fire cell to another by closure of air pipes in point of installation. The fire dampers are produced in circular and square series in sizes according to drawings. (Other atypical dimension in given range can be individually produced). The construction is made of zinc-plated or stainless steel plate point welded or welded steel or stainless steel. The damper blade is of material Promatect-H 2x20 mm fastened with steel clips, that are protected against contact with stop surfaces. The damper blade is two-side fastened in U-profile sheet with central hinge. The hinge protrude on one side into the triggering mechanism. The closure of damper is provided with external spring. The triggering mechanism is manually controlled (open position) and it is activated by triggering spring device. The stop surfaces for closing of damper are made of zinc-plated sheet and damper fit to these surfaces with Promatect plate surface. The whole design of damper is interconnected and provided with earthing terminal.

(16) Report No.: 06/0338

15 + 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 (9) of this certificate.

Responsible person:

Date of issue: 22.12. 2006


Dipl. Ing. Šindler Jaroslav
Head of certification body



Number of pages: 3

Page: 2/3

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Physical Technical Testing Institute
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(13)

Schedule

(14)

Type Examination Certificate N° FTZÚ 06 ATEX 0338X

(19)

LIST OF DOCUMENTATION

- Drawing No. 0315-0102-xxx a ... on 11.12.2006
- 0315-0202-xxx a ... on 11.12.2006
- 0315-0302-xxx a ... on 11.12.2006
- N315-5033-003a ... on 11.12.2006
- N315-5033-007a ... on 23.06.2004
- 0315-1102-xxx a ... on 11.12.2006
- 0315-1202-xxx a ... on 11.12.2006
- Instruction for use No. 018 ... on 01.12.2006
- Risk analysis No. 018

