



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

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

(3) Type Examination Examination Certificate number:

FTZÚ 19 ATEX 0110X

- (4) Product: **Fire damper type FDMR, FDMR 180, FDMA-PM, FDMQ, FDMQ 120, FDMQ 180, FDMB**
- (5) Manufacturer: **MANDÍK, a.s.**
- (6) Address: **Dobříšská 550, 267 24 Hostomice, Czech Republic**
- (7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 19 ATEX 0110X 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) 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) The marking of the product shall include the following:

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

(12) This certificate is valid till: **28.02.2030**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.02.2025

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This certificate may only be reproduced in its entirety and without any change, schedule included.



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

(13) **Schedule**

(14) **Supplementary Type Examination Certificate No. 1
to FTZÚ 19 ATEX 0110X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Extension of series

Production series was extended with flaps type FDMR 180, FDMQ 180 and FDMQ 120. Their construction is based on construction of already certified types, the only difference is thickness of the damper leaf. At the same time there is possible to use alternative type of flap leaf sealing, where the silicon sealing can be replaced with the rubber sealing.

Dampers type FDMB extended the production series from 160x160 - 500x1000 mm to 100x100 - 1000x500 or 500x1000 mm or max. surface area 0.5 m².

Mentioned changes do not have any effect to the safe construction of the dampers.

- 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 (type FDMR DN100-DN800, FDMR 180 DN200-DN800 and FDMA-PM DN900-DN1000) or rectangular (type FDMQ, FDMQ 120 and FDMQ 180 with dimensions 150x150 – 1500x800, FDMB with dimensions 100x100 – 1000x500 or 500x1000 mm or max. surface area 0.5 m²). 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. The limit switch can be used with the damper.

(16) Report Number: 19/0110/1

(17) Specific Conditions of Use:

1. The fire damper is suitable for the use with the ambient temperature $T_a = -20^{\circ}\text{C}/+50^{\circ}\text{C}$. In case of additional electrical equipment (limit switch, servo-drive) the temperature is corrected according to the range of the used device.
2. The electrical devices installed together with the damper must have corresponding type of protection.
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	≥ 72°C	T6
93°C	≥ 104°C	T5
140°C	≥ 147°C	T3

Responsible person:

Date of issue: 15.02.2025


Dipl. Ing. Lukáš Martinák

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Head of Certification Body



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

Supplementary Type Examination Certificate No. 1
to FTZÚ 19 ATEX 0110X

(18) Essential Health and Safety Requirements:

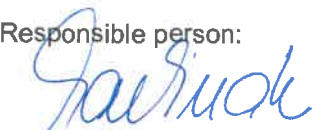
Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Issue	Date	Description
0429-0381-xxx	2	b	14.09.2023	Drawing FDMA-PM
0429-0342-xxx	2	b	14.09.2023	Drawing FDMA-PM
0429-7642-xxx	2	b	14.09.2023	Drawing FDMA-PM
0429-7681-xxx	2	b	14.09.2023	Drawing FDMA-PM
0649-0142-xxx	5	a	08.09.2023	Drawing FDMR
0649-0181-xxx	5	a	13.09.2023	Drawing FDMR
0649-7442-xxx	5	a	08.09.2023	Drawing FDMR
0649-7481-xxx	5	a	13.09.2023	Drawing FDMR
0680-0142-xxx	4	-	22.08.2023	Drawing FDMR 180
0680-0181-xxx	4	-	29.08.2023	Drawing FDMR 180
0680-7442-xxx	4	-	22.08.2023	Drawing FDMR 180
0680-7481-xxx	4	-	29.08.2023	Drawing FDMR 180
0389-0142-xxx	4	e	13.12.2024	Drawing FDMB
0389-0181-xxx	4	e	13.12.2024	Drawing FDMB
0389-7442-xxx	4	e	13.12.2024	Drawing FDMB
0389-7481-xxx	4	e	13.12.2024	Drawing FDMB
0429-0142-xxx	4	d	01.09.2023	Drawing FDMQ
0429-0181-xxx	4	d	07.09.2023	Drawing FDMQ
0429-7442-xxx	4	d	01.09.2023	Drawing FDMQ
0429-7481-xxx	4	d	07.09.2023	Drawing FDMQ
0805-0142-xxx	4	-	03.03.2023	Drawing FDMQ 120
0805-0181-xxx	4	-	03.03.2023	Drawing FDMQ 120
0805-7442-xxx	4	-	03.03.2023	Drawing FDMQ 120
0805-7481-xxx	4	-	03.03.2023	Drawing FDMQ 120
0678-0142-xxx	4	a	21.08.2023	Drawing FDMQ 180
0678-0181-xxx	4	a	23.08.2023	Drawing FDMQ 180
0678-7442-xxx	4	a	22.08.2023	Drawing FDMQ 180
0678-7481-xxx	4	a	29.08.2023	Drawing FDMQ 180
389-5033-006	1	a	17.1.2020	Drawing-label
154/19 CZ	13	-	01.01.2024	Manual for use FDMR, FDMA-PM, FDMB, FDMQ
166/23 CZ	12	-	01.01.2024	Manual for use FDMR 180, FDMQ 120, FDMQ 180
-	1	-	30.01.2025	Ignition hazard assessment report FDMR, FDMA-PM, FDMB, FDMQ
-	1	-	30.01.2025	Ignition hazard assessment report FDMR 180, FDMQ 120, FDMQ 180

Responsible person:

Date of issue: 15.02.2025


Dipl. Ing. Lukáš Martinák
Head of Certification Body

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Type Examination Certificate

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

(3) Type Examination Certificate number:

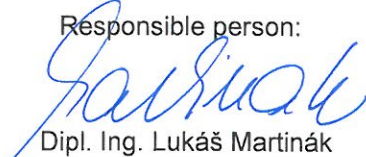
FTZÚ 19 ATEX 0110X

- (4) Product: **Fire damper type FDMR, FDMA-PM, FDMQ, FDMB**
(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:
19/0110 dated 10.02.2020
(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN ISO 80079-36:2016
(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...T3 Gb**

This certificate is valid till: **14.02.2025**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.02.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Type Examination Certificate No. FTZÚ 19 ATEX 0110X**

(15) Description of Product:

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 (type FDMR DN100-DN800 and FDMA-PM DN900-DN1000) or rectangular (type FDMQ 150x150 – 1500x800 and FDMB 160x160 – 500x1000). 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. The limit switch can be used with the damper.

(16) Report Number.: 19/0110

(17) Specific Conditions of Use:

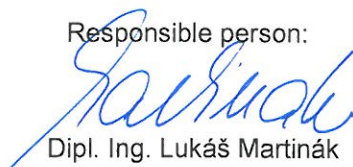
1. The fire damper is suitable for the use with the ambient temperature $T_a = -20^{\circ}\text{C}/+50^{\circ}\text{C}$. In case of additional electrical equipment (limit switch, servo-drive) the temperature is corrected according to the range of the used device.
2. The electrical devices installed together 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

(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: 14.02.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

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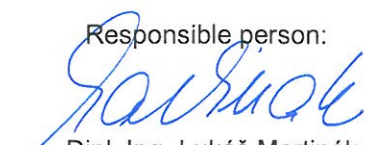
Schedule

(14) **Type Examination Certificate No. FTZÚ 19 ATEX 0110X**

(19) Drawings and Documents:

Number	Sheet	Issue	Date	Description
0429-0381-xxx	1		03.02.2020	Drawing FDMA-PM
0429-0342-xxx	1		03.02.2020	Drawing FDMA-PM
0649-0142-xxx	6		03.02.2020	Drawing FDMR
0649-0181-xxx	6		03.02.2020	Drawing FDMR
0389-0142-xxx	4		31.01.2020	Drawing FDMB
0389-0181-xxx	4		03.02.2020	Drawing FDMB
0429-0142-xxx	4	b	03.02.2020	Drawing FDMQ
0429-0181-xxx	4	b	03.02.2020	Drawing FDMQ
389-5033-006	1		17.01.2020	Drawing -label
154/19	14		1.1.2020	Instructions manual
	1		13.1.2020	Risk analysis

Responsible person:


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