Physical-Technical Testing Institute
Ostrava - Radvanice

(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 20 ATEX 0035X

(4) Product: **Fire damper type FDR-3G-Ex***-***

(5) Manufacturer: **Systemair Production, a.s.**

(6) Address: **Hlavná 371, 900 43 Kalinkovo, Slovakia**

(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:

20/0035 dated 25.09.2020

(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 2D Ex h IIIB T85°C...T100°C Db
II 2G Ex h IIB T6...T5 Gb

This certificate is valid till: **01.10.2025**

Responsible person:
Dipl. Ing. Lukáš Martinák
Head of Certification Body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. OSTRAVA-RADVANICE

Date of issue: 01.10.2020

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

(13) **Schedule**

(14) # Type Examination Certificate No. FTZÚ 20 ATEX 0035X

(15) Description of Product:

Fire dampers FDR-3G are round regulation closures in the ducting of the air conditioning equipment which prevent the spread of fire, heat and smoke from one fire cell to another by closing of the air piping in the place of installation. The damper leaf is closed by the spring either on the mechanical, thermal or electrical impulse. 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.: 20/0035

(17) Specific Conditions of Use:

1. The fire damper is suitable for the use with the ambient temperature T_a = 0°C/+60°C. In case of additional electrical equipment (limit switch, temperature sensor, servo-drive) the temperature range is reduced 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
60°C	≥ 72°C	T6
85°C	≥ 100°C	T5

(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

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. FTZÚ Ex OSTRAVA-RADVANICE

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(13) **Schedule**

(14) # Type Examination Certificate No. FTZÚ 20 ATEX 0035X

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
20013-Z01	1	2	04.02.2020	Drawing
20013-Z02	1	2	10.02.2020	Drawing
20013-Z03	1	3	13.02.2020	Drawing
20013-Z04	1	3	14.02.2020	Drawing
20015-P06	-	1	04.02.2020	Drawing
20013-S01	1	4	15.11.2019	Drawing
8414-S50	3	2	03.12.2019	Drawing
FD...-...EX	5	1	22.09.2020	Label
--	4	3	22.09.2020	Ignition hazard assessment
HandBook_FDR_3G_EX_en-GB	-	49	2020-09-22	User manual

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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