



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

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

(3) EU - Type Examination Certificate number:

FTZÚ 16 ATEX 0050X

(4) Product: **Deflagration, bi-directional in-line flame arrester type KSFI-A DN 25+300**

(5) Manufacturer: **Korea steel Power Corporation**

(6) Address: **488-1 Wolha-ro, Tongjin-eup, Gimpo-si, Gyeonggi-do 10010, Korea**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 16 ATEX 0050X 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, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, 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.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-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 EC-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 16852:2016

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

 **II G IIA**

(12) This certificate is valid till: **30.01.2022**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.06.2017

Page: 1/3

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Schedule

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 16 ATEX 0050X**

(15) Description of the variation to the Product:

The supplement extends the sizes range for full product line from DN 25 (1") to DN 300 (12").

The in-line, bi-directional, deflagration flame arresters type KSFI-A is used to prevent a flame transmission in case of deflagration of flammable gas – and/or vapour/air mixtures of the explosion group IIA.

Technical parameters:

Maximum operational temperature $T_0=+60$ °C.

Maximum operational pressure $p_0=0,11$ MPa

$L_v/D=50$

BC:c

(16) Report Number.: 16/0050/1

(17) Specific Conditions of Use:

17.1 The flame arresters were not verified for application where the burning can occur.

17.2 For safe application of flame arresters must be fulfill requirements according to EN ISO 16852 for installation, limits for use and supplementary protective measures.

(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.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Page: 2/3

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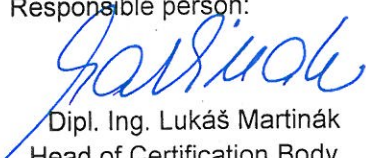
Schedule

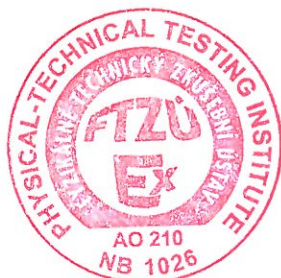
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(19) Drawings and Documents:

Number:	Date:	Description:
	20/06/2017	Instruction manual
KSFI-A-001	20/06/2017	Drawing
KSFI-A-01-00A	20/06/2017	Drawing
KSFI-A-01-001	20/06/2017	Drawing
KSFI-A-01-002	20/06/2017	Drawing
KSFI-A-01-003	20/06/2017	Drawing
KSFI-A-2-00A	20/06/2017	Drawing
KSFI-A-02-001	20/06/2017	Drawing
KSFI-A-02-002	20/06/2017	Drawing
KSFI-A-02-003	20/06/2017	Drawing
KSFI-A-2.5-00A	20/06/2017	Drawing
KSFI-A-2.5-001	20/06/2017	Drawing
KSFI-A-2.5-002	20/06/2017	Drawing
KSFI-A-2.5-003	20/06/2017	Drawing
KSFI-A-2.5-00A	20/06/2017	Drawing
KSFI-A-2.5-001	20/06/2017	Drawing
KSFI-A-2.5-002	20/06/2017	Drawing
KSFI-A-2.5-003	20/06/2017	Drawing
KSFI-A-4-00A	20/06/2017	Drawing
KSFI-A-4-001	20/06/2017	Drawing
KSFI-A-4-002	20/06/2017	Drawing
KSFI-A-4-003	20/06/2017	Drawing
KSFI-A-6-00A	20/06/2017	Drawing
KSFI-A-6-001	20/06/2017	Drawing
KSFI-A-6-002	20/06/2017	Drawing
KSFI-A-6-003	19/06/2017	Drawing
KSFI-A-12-00A	20/06/2017	Drawing
KSFI-A-12-001	20/06/2017	Drawing
KSFI-A-12-002	19/06/2017	Drawing
KSFI-A-12-003	20/06/2017	Drawing

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Page: 3/3

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