



EC-Type Examination Certificate

(1)

(2)

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

(3) EC-Type Examination Certificate Number:

FTZÚ 06 ATEX 0164

(4) Equipment: **Volume bi-directional static flame arrester, Type FA 01 or FA 02, FA 03**

(5) Manufacturer: **Emerson Process Management GmbH & Co.OHG.**

(6) Address: **Industriestrase 1, D-63594 Hasselroth, Germany**

(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, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

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

08/0164 dated August 2006


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

EN 12874:2001

(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.

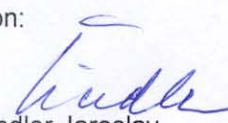
(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system.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

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

 **II G IIC**

This EC-Type Examination Certificate is valid till: **31.08. 2011**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 28.08.2006

Number of pages: 1/3

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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) **EC-Type Examination Certificate N° FTZÚ 06 ATEX 0164**

(15) Description of Equipment or Protective System:

The deflagration static flame arrester type FA 01 or FA 02 or FA 03 gas group IIC is designed as volume arrester – for application in analyser enclosure type X-STREAM FD. The flame arrester consists of body, which forms an external part of flameproof joint. Inside part of cylindrical flameproof joint is a compact flame arrester element with continuous gap. The flame arrester element is forced in flame arrester body and welded. Difference between variants FA 01 or FA 02 or FA 03 is only in dimension and type of input and output screwed fitting.

(16) Report No. : 06/0164 ... 8 pages

(17) Special conditions for safe use: --

(18) Essential Health and Safety Requirements:


18.1 Service temperature and pressure (absolute) p_0 are restricted in temperature range:

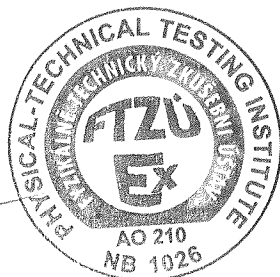
$$- 20\text{ °C} \leq T_0 \leq + 60\text{ °C}$$

$$0,8 \times 10^5\text{ Pa} \leq p_0 \leq 1,1 \times 10^5\text{ Pa}$$

18.2 During the installation and service of arrester the manufacturer's instruction for use issued on 06/2006 and requirements of EN 12874:2001, cl. 6.4.3; 12.1 must be fulfilled.

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(19)

LIST OF DOCUMENTATION

- Drawings No. 4.271-6625/3 on 16.02.2006
- 4.271-6623/3 on 16.02.2006
- 4.271-6622/3 on 16.02.2006
- 4.271-6638/4 on 16.02.2006
- 4.271-6639/4 on 16.02.2006
- 4.271-6746/4 on 09.08.2006
- Description on 09.08.2006
- Instruction for use on 06/2006

