

[1] **EC-TYPE EXAMINATION CERTIFICATE**



[2] **Component intended for use on/in equipment or protective system  
intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: DEMKO 05 ATEX 0503980U

[4] Component: XFAX2 Flame Arrestor Fitting

[5] Manufacturer: Adalet, Scott Fetzer Company

[6] Address: 4801 W. 150<sup>th</sup> Street, Cleveland, OH 44135 USA

[7] This Component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. 05NK03980

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 50014: 1997+A1-A2:1999 EN 50018: 2000+A1:2002**

[10] The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective.

[11] This EC-Type examination certificate relates only to the design, examination and tests of the specified component in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

[12] The marking of the component shall include the following:

 **II 2 G EEx d IIB**

On behalf of UL International Demko A/S

Herlev, 2005-11-16

Karina Christiansen

Certification Manager

**UL International Demko A/S**

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Certificate: 05 ATEX 0503980U



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# Schedule

## EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 05 ATEX 0503980U

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[15] Description of Component:

The Adalet XFAX 2 Flame Arrestor Fitting consists of a stainless steel body approximately 2 1/16" (52mm) long externally threaded with 1/2" NPT threads on one end for threading into an enclosure, and internally threaded 1/4"-18 NPT threads on both ends. A stainless steel sintered element is pressed into an internal opening of the fitting and held in place by a retaining ring.

The fitting is used for the connection of a 1/4"-18 NPT threaded tubing in group IIB gas analyzing equipment. An application of the fitting is to allow the entrance of process gasses into a flame proof enclosure containing gas analyzing equipment. The fitting prohibits the passage of flame into or out of a flame proof enclosure.

Ambient Temperature Range: -20°C to +40°C

Installation Instructions

Proper operation and instructions for putting the device into safe use is described in the manufacturer's installation instructions, document no. DS748.

- 1) The device can be installed in a suitably rated flameproof enclosure with a maximum volume of 41000 cm<sup>3</sup> (2500 in<sup>3</sup>). Maximum tested external temperature 302 °C.
- 2) Install XFAX 2 fitting securely in a threaded 1/2" NPT entrance in enclosure wall.
- 3) The XFAX 2 fitting has female 1/4" - 18 NPT threads on both ends for connection to customer supplied tubing with appropriate fittings.
- 4) All threaded joints are to be tightened securely before connecting electrical circuits.
- 5) Before opening the enclosure in a flammable atmosphere using the fitting, electrical circuits must be interrupted.

[16] Report No.:

05NK03980

Drawings:

Number	Date	Rev	Description
6124-1	2005/04/28	G	SS Sintered Element
20338	2005/01/27	E	Bulkhead Fitting Body for Flame Arrestor
7887	2005/01/27	F	Bulkhead Fitting for Flame Arrestor
DS748	2005/09/08	A	Installation Instructions

[17] Special conditions for safe use:

None

### UL International Demko A/S

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## Schedule

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[18] Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

[19] Additional Information

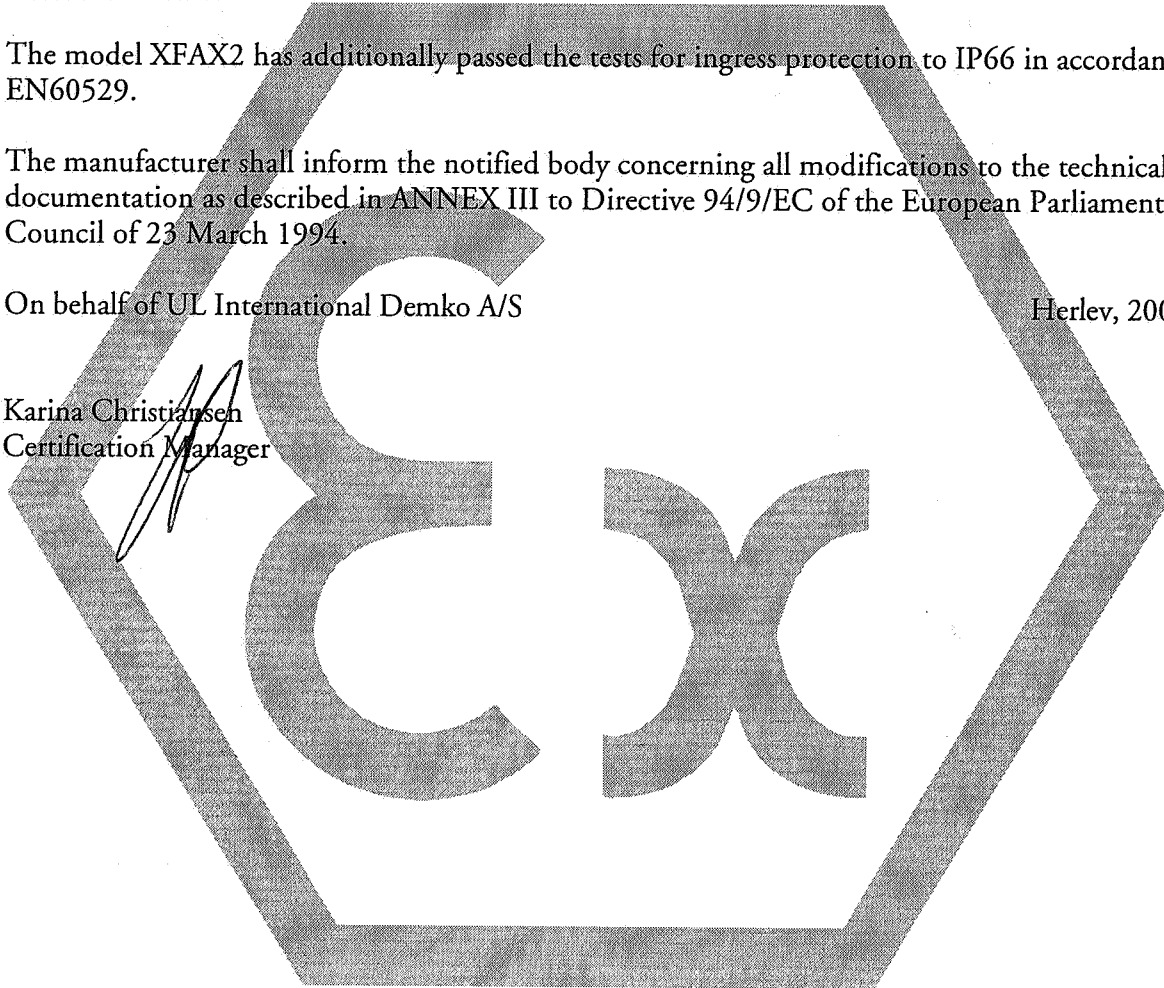
The model XFAX2 has additionally passed the tests for ingress protection to IP66 in accordance with EN60529.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2005-11-17

Karina Christiansen  
Certification Manager



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