



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa11ATEX0067X**

4 Equipment or Protective System: **A Range of 476 Adaptors and Reducers**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton Under Lyne, Lancashire, OL7 0NA**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, 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 No. **GB/BAS/ExTR 11.00063/00**

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

EN 60079-0: 2009 EN 60079-1: 2007 EN 60079-7: 2007 EN 60079-31: 2009

except in respect of those requirements listed at item 18 of the Schedule.

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 and construction of the specified equipment or protective system. 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 the following :

⊕ I M2 II GD Ex d I Mb Ex e I Mb Ex d IIC Gb Ex e IIC Gb Ex tb IIIC Db IP66

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

Baseefa Customer Reference No. **0500**

Project File No. **11/0033**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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PP R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

Re-issued 31st January 2012 to replace original



13

Schedule

14

Certificate Number Baseefa11ATEX0067X

15 Description of Equipment or Protective System

The Type 476 range of thread adapters and reducers is manufactured in brass, steel or stainless steel and comprises a hexagonal body with male and female coaxial threads.

The combination of the thread forms and sizes are specified in the schedule drawings and the adapters and reducers are marked 476A or 476R (for adapter or reducer) together with the male and female thread form and size, e.g. 476A/M25/1"NPT.

The adaptors and reducers with male parallel threads may be fitted with an O ring mounted in a groove in the face of the hexagon on the male thread side. The service temperatures for the adapters and reducers are:

- No O ring -60°C to +200°C
- Nitrile O ring -60°C to + 80°C
- Silicone O ring -60°C to +160°C

In this form they are marked:

⊕ I M2 II 2 GD Ex d I Mb Ex e I Mb Ex d IIC Gb Ex e IIC Gb Ex tb IIIC Db IP66

Variation 0.1

The adaptors and reducers may also be manufactured from aluminium for Group II gases and Group III dust applications only.

In this form they are marked

⊕ II 2 GD Ex d IIC Gb Ex e IIC Gb Ex tb IIIC Db IP66

16 Report Number

Baseefa Certification Report: GB/BAS/ExTR11.0063/00

17 Special Conditions for Safe Use

1. When the adaptors and reducers are used for increased safety or dust protection with no O ring the enclosure and the female thread of the adaptor or reducer are to be suitably sealed, in accordance with EN 60079-14, to maintain the ingress protection rating of the associated enclosure.
2. When the adaptors or reducers are used for increased safety or dust protection in a threaded hole and the O ring is fitted the threaded entry in the enclosure must be at right angles to the enclosure wall. The female thread of the adaptor or reducer is to be suitably sealed, in accordance with IEC 60079-14, in order to maintain the ingress protection rating of the associated enclosure.
3. When the adaptors or reducers are used for increased safety or dust protection in a plain hole then the hole in the enclosure must be no greater than 0.7 mm bigger than the male thread and the adaptor or reducer must be secured with a locknut. The female thread of the adaptor or reducer are to be suitably sealed, in accordance with IEC 60079-14, to maintain the ingress protection rating of the associated enclosure.
4. The adaptors or reducers when used in flameproof applications must not be closed with a flameproof stopping plug.



18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Issue	Date	Description
476	A	12.1.11	476 Adaptors and Reducers for Group I and II Applications

This drawing is common to and held with IECEx BAS 11.0037X



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa11ATEX0067X/1**

4 Equipment or Protective System: **A Range of 476 Adaptors and Reducers**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0067X** to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

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

Baseefa Customer Reference No. **0500**

Project File No. **11/0421**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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Registered in England No. 4305578. Registered address as above.


PP R S SINCLAIR MLOWNEY
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number Baseefa11ATEX0067X/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

Updating of the equipment to meet the requirements of EN 60079-0: 2011 6th Edition

Variation 1.2

To allow an increase in the size range of permitted threads from 5" to 6" for NPT, NPSM, BSPP and BSPT.

Variation 1.3

To allow the introduction of two constructions for M25 to M20 Reducers.

One of these constructions is limited to Group II and III only and is marked accordingly.

Variation 1.4

To allow the introduction of a range of adapters and reducers having male thread size equal to or smaller than M16 and equivalents, in this form the adapters and reducers are limited to Group II and Group III only and are marked accordingly.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR11.0170/00

17 Specific Conditions of Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
476	1 of 3	B	25/10/11	Adapters and Reducers
476	2 of 3	B	25/10/11	M25 to M20 Reducers
476	3 of 3	B	25/10/11	Pg7, Pg9, M12 and 3/8" Adapters and Reducers

These drawings are common to, and held with, IECEx BAS11.0037X.

1 **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 Supplementary EU - Type **Baseefa11ATEX0067X/2**
Examination Certificate Number:

3.1 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 April 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 April 2016.

4 Product: **A Range of 476 Adaptors and Reducers**

5 Manufacturer: **Hawke International**

6 Address: **A Division of Hubbell Limited, A Member of the Hubbell Group of Companies, Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0067X** 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 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the 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 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.”

12 The marking of the equipment has changed from the original Certificate and shall include the following:

⊕ IM 2/ II 2 GD Ex db I Mb Ex eb I Mb Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db IP66.

SGS Baseefa Customer Reference No. **0500**

Project File No. **16/0795**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.sgs.com/SGSBaseefa/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company’s findings at the time of its intervention only and within the limits of Client’s instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company’s sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa11ATEX0067X/2**

15 **Description of the variation to the Product**

Variation 2.1

To assess and review the equipment against latest requirements of EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015 and EN 60079-31:2014.

16 **Report Number**

GB/BAS/ExTR17.0022/00

17 **Specific Conditions of Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is affected as follows.

Clause	Subject
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
476	1 of 3	C	16/01/17	Adaptors and Reducers for use in Group I and Group II applications
476	2 of 3	C	16/01/17	M25-M20 Reducers Only
476	3 of 3	C	16/01/17	Pg7, Pg9, M12, 3/8" Adaptors and Reducers only, Group II only.

These drawings are common to and held with IECEX BAS 11.0037X