



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: **Baseefa11ATEX0153X**

4 Equipment or Protective System: **389 Increased Safety Breather**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**

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/ExTR11.0168/00**

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

EN 60079-0: 2009, EN 60079-7: 2007 and 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 2GD Exe I Mb, ExeIIC Gb and Extb IIIC Db (-60°C to + 80°C or 160°C) see schedule

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

Baseefa Customer Reference No.0500

Project File No.11/0129e

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.

R S SINCLAIR

DIRECTOR
On behalf of
Baseefa

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.



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Schedule

14

Certificate Number Baseefa11ATEX0153X

15 Description of Equipment or Protective System

The Type 389 Breather Drain is designed to be fitted in an entry on the face of an Exe or Extb enclosure to allow the enclosure to breathe and drain.

There are 2 sizes: M20 x 1.5mm pitch and M25 x 1.5mm pitch.

The breather drain comprises a metallic body with hexagonal head and male threaded entry 10mm long minimum. In the bore of the body there is a press fit metallic sinter. The head of the breather drain has several drain holes passing behind the sinter. A nitrile rubber or silicone rubber o-ring set in a groove at the shoulder of the male thread and hexagon body ensures sealing to an associated enclosure.

The breather drain, when fitted in the bottom face of the equipment, is capable of meeting the requirements of IP66

16 Report Number

Baseefa GB/BAS/ExTR11.0168/00

17 Special Conditions for Safe Use

1. The breather drain shall be mounted in the bottom face of a vertically mounted enclosure to ensure it is able to breathe and drain effectively.
2. The maximum operation temperature range of the breather drains when fitted with a nitrile o-ring is -60°C to +80°C.
3. The maximum operating temperature range of the breather drain when fitted with a silicone o-ring is -60°C to +160 °C.
4. Plain holes shall be no larger than 0.7mm above the major diameter of the breathing device thread and the device shall be secured with a locknut and optional locking washer

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
389	A	02/02/11	Exe Group 1 and Group II Breather Drain



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa11ATEX0153X/1**

4 Equipment or Protective System: **389 Increased Safety Breather Drain**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**

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

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0153X** 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. **12/0323**

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Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

A handwritten signature in black ink, appearing to read "R S Sinclair".

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa11ATEX0153X/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

Clarification of sinter details to aid production

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 12.0095/00

17 Specific Conditions of Use

None

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	Issue	Date	Description
389	B	02/04/12	389 Exe Group 1 and Group II Breather Drain



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: **Baseefa11ATEX0153X/2**
- 4 Equipment or Protective System: **389 Increased Safety Breather Drain**
- 5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**
- 6 Address: **Oxford Street West, Aston-under-Lyne, Lancaster, OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0153X** 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.

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Baseefa Customer Reference No. **0500**

Project File No. **12/0902**

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Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
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R S SINCLAIR MPOWNEY
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa11ATEX0153X/2

15 **Description of the variation to the Equipment or Protective System**

Variation 2.1

The addition of an optional stainless steel sinter element.

Variation 2.2

The equipment covered by this certificate has been reviewed against the additional design and test requirements of EN 60079-0: 2012 and compliance is confirmed.

16 **Report Number**

Baseefa Certification Report GB/BAS/ExTR13.0032/00

17 **Specific Conditions of Use**

None in addition to those previously listed.

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
389	1	C	08/01/13	Ex e Group I and Group II Breather Drain (Bronze Sinter)
389	2	C	08/01/13	Ex e Group I and Group II Breather Drain (Stainless Steel Sinter)

The above drawings are common to, and are held on, IECEx BAS 11.0075X.

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: **Baseefa11ATEX0153X/3**

4 Equipment or Protective System: **389 Increased Safety Breather Drain**

5 Manufacturer: **Hawke International (A Division of Hubbell Limited)**

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

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa11ATEX0153X** 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.

Baseefa Customer Reference No. **0500**

Project File No. **15/0276**

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SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601

e-mail info@baseefa.com web site www.baseefa.com

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN


R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

14

Certificate Number Baseefa11ATEX0153X/3

15 **Description of the variation to the Equipment or Protective System**

Variation 3.1

Correction of body part number from 9534 to 9538 on 389 Exe Breather drawing

16 **Report Number**

Baseefa Certification report number: GB/BAS/ExTR15.0145/00

17 **Specific Conditions of Use**

None in addition 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
389	1 to 2	D	4/3/15	Ex e Group I and Group II Breather drain (Bronze Sinter)