



EC - TYPE EXAMINATION CERTIFICATE

**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.

Baseefa

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

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



13

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.

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Baseefa Customer Reference No. **0500**

Project File No. **12/0323**

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

A handwritten signature in black ink, appearing to read "R S Sinclair M Powney".
R S SINCLAIR M POWNEY
DIRECTOR
On behalf of
Baseefa



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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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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)

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 **Baseefa11ATEX0153X/4**
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: **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 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 60079-7:2015 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:

 I M2 Ex eb I Mb
 II 2 GD Ex eb IIC Gb
Ex tb IIC Db (-60°C to +80°C or 160°C) see schedule

SGS Baseefa Customer Reference No. **0500**

Project File No. **16/0801**

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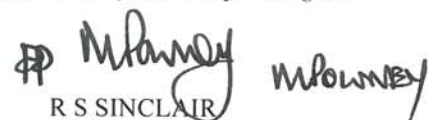
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Re-issued 31st January 2017 to replace original


R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa11ATEX0153X/4**

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

Variation 4.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0:2012+A11:2013, EN 60079-7:2015 and EN 60079-31:2014 in respect of differences from the standards to which this certificate was issued; none of these differences affect this equipment, other than the code marking requirements which have been addressed.

16 **Report Number**

SGS Baseefa Report Reference Number: - GB/BAS/ExTR16.0322/00

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	Compliance
1.2.7	LVD type requirements	Standards require manufacturer's declaration, supplied.
1.2.8	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
389	1 of 2	E	23/11/2016	General Assembly – Breather drain
389	2 of 2	D	23/11/2016	General Assembly – Breather drain

This drawing is common to this certificate and held with IECEx BAS 11.0075X.

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 Examination Certificate Number: **Baseefa11ATEX0153X/5**

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: **389 Increased Safety Breather Drain**

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. **Baseefa11ATEX0153X** 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.

SGS Baseefa Customer Reference No. **0500**

Project File No. **17/0282**

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TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

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Certificate Number Baseefa11ATEX0153X/5

15 Description of the variation to the Product

Variation 5.1

Minor drawing modifications to the 389 metallic breather drain.

Variation 5.2

To include the new 385 plastic Breather Drain in M20 and M25 sizes.

The 385 comprises a round plastic body with entry thread that incorporate a series of drain holes, a stainless steel sinter and an o-ring. It is fitted in a plain or threaded entry hole in the bottom face of a vertically mounted Ex eb or Ex tb enclosure to allow the enclosure to breath and drain via the interconnecting drain holes and sinter.

The 385 Breather Drain, complete with o-ring, will maintain an IP66 rating.

The 385/M20 comprises a plastic body $\phi 30\text{mm}$ x20mm long with a male M20 x 1.5 pitch x 15mm long thread.

The 385/M25 comprises a plastic body $\phi 32\text{mm}$ x20mm long with a male M25 x 1.5 pitch x 15mm long thread.


In the bore of the entry thread/body there is a press fit stainless steel sinter to restrict/limit ingress. The body has a $\phi 3\text{mm}$ through-hole running across the diameter of the body that intercepts with the base of the bore, creating a drain path.


The entry thread has a series of $\phi 3\text{mm}$ through holes around the circumference that are located in a helical form to ensure drainage can occur long the thread length. The body has a recessed 10mm Across Flats hexagonal blind hole for securing the breather drain into an associated enclosure.

The nitrile or silicone rubber o-ring located in a groove at the shoulder of the entry thread and hexagon body ensures efficient sealing to an associated enclosure.

The 385 is supplied with an associated bespoke plastic castellated locknut for when the Breather Drain is fitted in a plain hole. It is optional in a threaded entry hole.

The marking code for the 385 shall be as follows:

 II 2G Ex eb IIC Gb

 II 2D Ex tb IIIC Db

16 Report Number

GB/BAS/ExTR17.0175/00

17 Specific Conditions of Use

The existing 389 conditions of use have been updated and the new 385 conditions of use have been added. All Conditions of Use are now as follows:

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. 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.
3. When the bespoke castellated locknut is used the castellations shall be located against the enclosure wall to ensure drainage can occur effectively.
4. The maximum operation temperature range of the 389 metallic Breather Drain when fitted with a nitrile o-ring is -60°C to $+80^{\circ}\text{C}$.

5. The maximum operating temperature range of the 389 metallic Breather Drain when fitted with a silicone o-ring is -60°C to + 160°C.
6. The maximum operating temperature range of the 385 plastic Breather Drain when fitted with a nitrile or silicone o-ring is -60°C to + 80°C.
7. 385 plastic Breather Drain ~ WARNING: Potential electrostatic hazard, clean only with a damp cloth.

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
Changed drawings ~ Metallic Breather Drain:				
389	1 of 2	F	16/08/17	389 Exe Group I and Group II breather drain (bronze sinter)
389	2 of 2	F	16/08/17	389 Exe Group I and Group II breather drain (st st sinter)
New drawings ~ Plastic Breather Drain:				
385	---	A	08/06/17	385 Exe Group II plastic breather drain (st st sinter)
90025_M20	---	D	13/06/17	385 M20 plastic breather body (st steel sinter)
90025_M25	---	A	13/06/17	385 M25 plastic breather body (st steel sinter)
90026_M20	---	D	29/06/17	Plastic locknut for 385 M20 breather drain
90026_M25	---	A	15/06/17	Plastic locknut for 385 M25 breather drain

All drawings are held with IECEx BAS 11.0075X and common to Baseefa11ATEX0153X.