

## EU - TYPE EXAMINATION CERTIFICATE

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

EU - Type Examination Certificate Number: **Baseefa11ATEX0153X – Issue 8**

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.

Product: **Type 389 metallic Breather Drain range and Type 385 plastic Breather Drain**

Manufacturer: **Hawke International**

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

This re-issued certificate extends EC Type Examination Certificate No. Baseefa11ATEX0153X to apply to product 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.

SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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.

The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

**EN IEC 60079-0: 2018 EN IEC 60079-7: 2015: +A1: 2018 EN 60079-31: 2014**

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

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

**Ex II 2G Ex eb IIC Gb**

**Ex II 2D Ex tb IIIC Db**

**See schedule for Mining marking**

SGS Fimko Oy Customer Reference No. **0500**

Project File No. **22/0214**

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Mikko Välimäki  
Authorised Signatory for SGS Fimko Oy

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## Schedule

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### Certificate Number Baseefa11ATEX0153X – Issue 8

#### 15 Description of Product

The equipment covered by this Certificate are as follows:

Type 389 metallic Breather Drain:  
Sizes: M20 and M25

Type 385 plastic Breather Drain:  
Sizes: M20 and M25

The Type 389 and Type 385 Breather Drains comprise of a body with entry thread that incorporate a series of drain holes, a metallic 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 the sinter.

The 389 and 385 Breather Drains, complete with o-ring will maintain an IP66 rating.

##### **Type 389:**

The 389/M20 comprises a brass or stainless steel body 13.6mm long with 30mm Across Flats hexagonal head, with male M20 x 1.5 pitch x 10mm long minimum thread.

The 389/M25 comprises a brass or stainless steel body 13.6mm long with 36mm Across Flats hexagonal head, with male M25 x 1.5 pitch x 10mm long minimum thread.

In the bore of the entry thread/body there is a press fit bronze or stainless steel sinter to restrict/limit ingress. The body has several drain holes passing behind the sinter that intersects with the base of the bore creating a drain path. The entry thread has a series of ø3mm through holes around the circumference that are located in a helical form to ensure drainage can occur long the thread length. 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.

Type 389 metallic Breather Drain range is marked as follows:

⊕ II 2G Ex eb IIC Gb

⊕ II 2D Ex tb IIIC Db

⊕ I M2 Ex eb I Mb

Service Temperature:

-60°C to +80°C with nitrile o-ring

-60°C to +160°C with silicone o-ring

##### **Type 385:**

The 385/M20 comprises a plastic body ø30mm x20mm long with a male M20 x 1.5 pitch x 15mm long thread.

The 385/M25 comprises a plastic body ø32mm 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 ø3mm 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 ø3mm 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

Type 385 plastic Breather Drain is marked as follows:

⊕ II 2G Ex eb IIC Gb

⊕ II 2D Ex tb IIIC Db

Service Temperature: -60°C to +80°C

## 16 Report Number

GB/BAS/ExTR22.0112/00

## 17 Specific Conditions of 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. 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°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

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.4.1	External effects
1.4.2	Aggressive substances

## 19 Drawings and Documents

Updated drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
389	1 to 2	G	12/05/21	Exe Breather Drain (metallic)
385	1 of 1	E	08/06/21	Exe Breather Drain (plastic)

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
NONE				

Drawings are common to Baseefa11ATEX0153X, BAS21UKEX0043X and IECEx BAS 11.0075X, and held on the latter.

## 20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0153X	18 August 2011	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2009, EN 60079-7: 2007 and EN 60079-31: 2009.  The marking was  This is documented in Report No. GB/BAS/ExTR11.0168/00.
Baseefa11ATEX0153X/1	12 April 2012	Clarification of sinter details to aid production.  This is documented in Report No. GB/BAS/ExTR12.0095/00.
Baseefa11ATEX0153X/2	4 March 2013	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.  This is documented in Report No. GB/BAS/ExTR13.0032/00.
Baseefa11ATEX0153X/3	23 June 2015	Correction of body part number from 9534 to 9538 on 389 Exe Breather drawing.  This is documented in Report No. GB/BAS/ExTR15.0145/00.
Baseefa11ATEX0153X/4	5 January 2017	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.  This is documented in Report No. GB/BAS/ExTR16.0322/00.
Baseefa11ATEX0153X/5	31 August 2017	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.  Description, marking and service temperature for the 385 was added.  This is documented in Report No. GB/BAS/ExTR17.0175/00.
Baseefa11ATEX0153X/6	5 December 2018	Variation 6.1: To confirm that the products covered by this certificate have been reviewed against the requirements of EN IEC 60079-0: 2018 in respect to the differences from EN 60079-0: 2012+A11: 2013, and that none of these differences in the standards affects this product.  The products are in compliance with EN IEC 60079-0: 2018, EN 60079-7: 2015 and EN 60079-31: 2014  Variation 6.2: Minor drawing modification to 385 plastic breather drain.  This is documented in Report No. GB/BAS/ExTR18.0299/00.
Baseefa11ATEX0153X/7	3 February 2020	Variation 7.1: Minor drawing modifications to the 385 plastic breather drain.  Variation 7.2: Additional marking for the 385 plastic breather drain, for commercial purposes.  This is documented in Report No. GB/BAS/ExTR20.0014/00.

Certificate No.	Date	Comments
Baseefa11ATEX0153X Issue 8	8 August 2022	Variation 8.1: This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN IEC 60079-7: 2015: +A1: 2018. Variation 8.2: Marking modification to include associated UKEX information. The Ex marking code remains unchanged. This is documented in GB/BAS/ExTR22.0112/00.
For drawings applicable to each issue, see original of that issue.		