



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa04ATEX0170U**

4 Component: **The EZE Range of Enclosures**

5 Manufacturer: **Hawke International**

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

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

8 Baseefa (2001) Ltd. Notified body number 1180, 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 the 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. 03(C)0888/1

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

EN 50014: 1997 + Amds 1 & 2 EN 50019: 2000 EN 50281-1-1: 1998 + Amd 1

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

10 The sign "U" is placed after the certificate number. It 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 system.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified Component. 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 GD EEx e II**

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

Baseefa (2001) Ltd. Customer Reference No. 0500

Project File No. 03/0888

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa (2001) Ltd.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13

Schedule

14

Certificate Number Baseefa04ATEX0170U

15 Description of Component

The EZE Range of mild steel or stainless steel fabricated enclosures with hinged covers is essentially rectangular in form and has minimum thickness of 1.6mm for the body and lid.

The enclosures have the following overall dimensions:-

Enclosure	Length (mm)	Width (mm)	Depth (mm)
EZE Z22	220	315.9	180
EZE Z42	420	315.9	180
EZE Z62	620	315.9	180

The box size may be altered providing the surface area is no greater than that of the next size above.

The enclosure comprises a body with a back, base and minimal side walls to aid access to the inside of the enclosure and an upwardly hinged lid providing the top, front and most of the side walls of the enclosure. Up to two internal props are provided to hold the lid in the open position when work is being carried out inside the enclosure.

Up to 3 flat gland plates of minimum thickness 2.5mm or 3 dished gland plates of minimum thickness 1.6mm may be bolted to the base of the enclosure. Optionally the gland plates may be secured by lugs and bolts.

Holes may be provided in the gland plates, lid and body for the fitting of suitably certified glands or stopping plugs as Hawke type 387, 375 or 377, Sira00ATEX3091, Sira00ATEX1094 or Sira00ATEX1037U.

The gland plates and cover are sealed to the body by means of 6mm thick white silicone rubber sponge gaskets and gaps on the sides of the lid are sealed with mastic sealant at the factory ensuring an ingress protection of at least IP66. When required for EMC purposes the exposed surfaces of the gaskets may be covered with self adhesive fine wire/braid meshing. With this arrangement the IP rating of the enclosure is reduced to IP65.

The lid is secured at the opposite side to the hinge by bolts into blind tapped bushings that are riveted or clinched into the body flange. An optional padlock facility integral with the lid and welded to the body is provided.

Earthing is provided by an internal/external M10 or M14 stainless steel welded stud located on any face to suit customer applications. The earth studs may be replaced by M10 or M14 x 25mm stainless steel hexagon head set screws securely welded flat to the mating face of the enclosure. The earthing studs are fitted with stainless steel nuts, spring washers and copper shell washers. Optional internal earth studs may be welded to one or more gland plates and/or the lid to suit customer applications.

Variation 0.1

Optional fitting of a component certified breather, drain or breather/drain to the bottom face of the enclosure only as follows:-

	Sira99ATEX3050U - the IP66 rating being maintained	
or	NEMKO Ex 94C086U	} - the IP rating is reduced to IP5*
	NEMKO 88.217	
	BAS Ex 86B3174U	

With IP5* breathers fitted the marking shall be:-

Ⓢ II 2G 3D EEx e II.



Variation 0.2

Optional use of two padlock facilities on the lid/body.

16 Report Number

03(C)0888/1

17 Schedule of Limitations

1. The enclosures shall not be exposed to temperatures outside the range -40°C to +80°C.

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	Sheet	Issue	Date	Description
9000	1	E	31/8/04	GA
9000	2	E	31/8/04	Notes and Details
9009	1	D	25/5/04	Base Assembly (EZE 22)
9010	1	A	25/5/04	Lid Assembly (EZE 22)
9015	1	D	25/5/04	Base Assembly (EZE 42)
9016	1	A	25/5/04	Lid Assembly (EZE 42)
9021	1	D	25/5/04	Base Assembly (EZE 62)
9022	1	B	25/5/04	Lid Assembly (Size 3)
9032	1	A	25/5/04	Gland Plate Blank
9055	1	A	23/6/04	Certification Label



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment**
Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC

3 Supplementary EC - Type Examination Certificate Number: **Baseefa04ATEX0170U/1**

4 Component: **The EZE Range of Enclosures**

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. Baseefa04ATEX0170U to apply to components 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. 06/0593

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Baseefa (2001) Ltd.
M. POWNEY



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Schedule

14

Certificate Number Baseefa04ATEX0170U/1

15 Description of the variation to the Component

Variation 1.1

To allow the gland plate to be up to 8mm thick, with the fixing tabs remaining at 2.5mm thick.

16 Report Number

None

17 Schedule of Limitations

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	Issue	Date	Description
9032	B	11/07/06	EZE22, 42 & 62 Flip lid box gland plate blank