



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 03ATEX9488U** Issue: **3**

4 Component: **Fuel Dispenser Safe-Breaks Types SSB16 (NR), SSB 25, PSB 16, CSB 21(NR)**

5 Applicant: **ELAFLEX HIBY Tanktechnik GmbH & Co**

6 Address: ELAFLEX HIBY Tanktechnik GmbH & Co.
Zweigniederlassung
Auf dem Stahl 9
Plettenberg D-58840
Germany

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of 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 a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 13617-2:2004

EN 1127:1997

EN 13463-1:2001

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:



II 1 G

C Ellaby
Deputy Certification Manager

Project Number 25318
C. Index 09

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SCHEDULE

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13 DESCRIPTION OF COMPONENT

The devices are intended for mounting in the fuel line of the associated dispenser and are designed to release when a tensile force of between 800 N and 1500 N is applied. A spring activated poppet valve mechanism is located in the fuel line such that, when the safe-break becomes separated, the fuel flow is shut off. Sealing between the two halves of the device is by means of 'O' ring seals and the mechanism is retained by means of a circlip. The devices are manufactured in aluminium alloy and include the following variants:

- Type SSB 16 - is a nozzle mounted, reusable type designed for 'standard' flow applications.
- Type SSB16NR - is a nozzle mounted, non-reusable type designed for 'standard' flow applications
- Type PSB 16 - is a pump mounted, reusable type designed for 'standard' flow applications.
- Type CSB 21 - is a nozzle mounted reusable type designed for vapour recovery applications.
- Type CSB21NR - is a nozzle mounted non-reusable type designed for vapour recovery applications
- Type SSB 25 - is a nozzle mounted, reusable type designed for 'standard' flow applications.

Variation 1 - This variation introduced the following changes:

- i. The change of company name and address was changed from Hiby ZVA Produktionsgesellschaft GmbH / ELAFLEX Tankstellentechnik GmbH, Auf dem Stahl (Industriegebiet), D-58840, Plettenberg-Köbbinghausen, Germany to that currently shown.

Variation 2 - This variation introduced the following changes:

- i. The company address was changed from: Schnackenburgallee 121, 22525 Hamburg, USTID DE 187477901, Germany, to that currently shown.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report No.	Comment
0	19 September 05	R53M10800A	The release of prime certificate.
1	24 September 07	R59M16394A	This Issue covers the following changes: <ul style="list-style-type: none">• All previously issued certification was rationalised into a single certificate, Issue 1, Issue 0 referenced above is only intended to reflect the history of the previous certification and has not been issued as a document in this format.• Replacement of drawings in Issue 0 with those listed in the certificate Annexe.• Introduction of the SSB16NR & CSB21NR designations.
2	07 December 2010	R22250A/00	The introduction of Variation 1.
3	31 October 2011	R25318A/00	The introduction of Variation 2.

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15 SPECIAL CONDITIONS FOR SAFE USE

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 Each safe break shall be subjected to the routine tests required by Table 4 of EN 13617-2:2004.

Certificate Annexe

Certificate Number: Sira 03ATEX9488U
Component: Fuel Dispenser Safe-Breaks
Types SSB16 (NR), SSB 25, PSB 16, CSB 21(NR)
Applicant: ELAFLEX HIBY Tanktechnik GmbH & Co



Issue 0

The drawings have been removed from the certificate schedule and replaced with those listed under Issue 1.

Issue 1

Drawing No.	Sheet	Date	Description
2021529-49-00	1 of 1	30 Jan 07	CSB21 COAX re-usable safety break - general arrangement and parts list
2021530-49-00	1 of 1	30 Jan 07	CSB21NR COAX non re-usable safety break - general arrangement and parts list
2011668-49-00	1 of 1	30 Jan 07	PSB16 Safety break - general arrangement and parts list
2011669-49-00	1 of 1	30 Jan 07	SSB16 re-usable safety break - general arrangement and parts list
2011672-49-00	1 of 1	30 Jan 07	SSB16NR non re-usable safety break - general arrangement and parts list
2251510-49-00	1 of 1	30 Jan 07	SSB25 Safety break - general arrangement and parts list
2011670-49-00	1 of 1	30 Jan 07	Marking details – re-usable types

Issue 2 and 3 (No new drawings were introduced.)

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