



- (2) Component intended to be incorporate into equipment or protective system intended for use in explosive atmospheres
Directive 94/9/EC

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(3) Number of the EC type examination certificate: **INERIS 13ATEX9022U**

(4) Component:

ENCLOSURES TYPE EJB****

(5) Manufacturer:

NUOVA ASP

(6) Address:

Via De Gasperi, 26
I - 20090 Pantigliate (MI)

(7) This component and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

(8) INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC 23rd March 1994, and accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website www.cofrac.fr), certifies that this component fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in appendix II of the Directive.

The examinations and the tests are consigned in report No 027869/14.

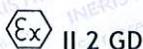
(9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 60079-0	: 2009	EN 60079-0	: 2012
EN 60079-1	: 2007	EN 60079-31	: 2009

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

- (10) Sign U, when it is placed following the Number of the EC type examination certificate, indicates this one should not be wrongly considered as an EC type examination certificate delivered for equipment or protective system. This partial certification may be used as a basis for the certification of equipment or protective system.
- (11) This EC type examination certificate relates only to the design, examination and tests of the specified component in accordance to the directive 94/9/EC. 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 component will have to contain:



Verneuil-en-Halatte, 2014.03.13



The Chief Executive Officer of INERIS
By delegation
T. HOUEIX
Ex Certification Officer



(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 13ATEX9022U

(15)

DESCRIPTION OF COMPONENT

Empty metallic enclosures made in aluminum alloy, stainless steel, carbon steel or cast iron of different sizes. These enclosures can have a blind cover or provided of a glass window. The enclosures can be fitted with tubes 3" in order to assembly two flameproof enclosures separated by a certified sealing fitting in accordance with the drawing specified in the descriptive documents.

The cover is fixed by stainless steel screws A4-70 for the enclosures EJB91 and EJB93 and A2-70 for the other enclosures.

These Ex components get the degrees of protection IP66 in accordance with EN/IEC 60529.

PARAMETERS RELATING TO THE SAFETY

None.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

NUOVA ASP

I - 20090 Pantigliate (MI)

EJB****

INERIS 13ATEX9022U

(Serial number)

(Year of construction)

⊕ II 2 GD

Ex d IIB+H2 Gb

Ex tb IIIC Db IP66

WARNINGS: EMPTY ENCLOSURE WITH Ex COMPONENT CERTIFICATE.

(*) Type is completed by numbers and /or letters corresponding to manufacturing variations.

Marking may be carried out in the language of the country of use.

The component has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

Each component defined above has to have successfully passed the following individual tests before delivery

For using at ambient temperature down to -20°C:

In accordance with clause 16.1 of the EN/IEC 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under:

- 9.9 bar for enclosures with internal volume $\leq 12 \text{ dm}^3$
- 11.9 bar for enclosures with internal volume $13 \text{ dm}^3 \leq V \leq 45 \text{ dm}^3$
- 13.2 bar for enclosures with internal volume $46 \text{ dm}^3 \leq V \leq 175 \text{ dm}^3$

For using at ambient temperature down to -40°C:

In accordance with clause 16.1 of the EN/IEC 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under:

- 12.5 bar for enclosures with internal volume $\leq 12 \text{ dm}^3$
- 15.3 bar for enclosures with internal volume $13 \text{ dm}^3 \leq V \leq 45 \text{ dm}^3$
- 15.9 bar for enclosures with internal volume $46 \text{ dm}^3 \leq V \leq 175 \text{ dm}^3$

For using at ambient temperature down to -60°C:

In accordance with clause 16.1 of the EN/IEC 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under:

- 15 bar for enclosures with internal volume $\leq 12 \text{ dm}^3$
- 16.2 bar for enclosures with internal volume $13 \text{ dm}^3 \leq V \leq 45 \text{ dm}^3$
- 16.8 bar for enclosures with internal volume $46 \text{ dm}^3 \leq V \leq 175 \text{ dm}^3$

For conduit tube 3”:

- In accordance with clause 16.1 of the EN/IEC 60079-1 standard each apparatus defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 22 bar.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation of the component, subject of this certificate.

- Certification file n° 14-224 rev.0 of 2014.01.15 (15 rubrics) signed on 2014.01.15

(17) SCHEDULE OF LIMITATION

- The enclosures provided with windows have been assessed and tested to be used in the range of the operating temperatures from -60°C to $+120^{\circ}\text{C}$.
- The enclosures provided without windows have been assessed and tested to be used in the range of the operating temperatures from -60°C to $+200^{\circ}\text{C}$.
- The non transmission tests have been performed for a maximum ambient temperature of $+60^{\circ}\text{C}$.
- The width of the flameproof joints is superior to those specified in tables of EN/IEC 60079-1 standard.
- During the installation, the user will take into consideration that the windows of the enclosures underwent only a shock corresponding to an energy of a low risk at 2J.
- For group IIB+H2, the content of the Ex component enclosure equipment may be placed in any arrangement provided that an area of at least 40% of each cross-sectional area remains free to permit unimpeded gas flow and, therefore, unrestricted development of an explosion. Separate relief areas may be aggregated provided that each area has a minimum dimension in any direction of 12.5 mm.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is ensured by:

- Conformity to the standards quoted in clause (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

ADDITION

(3) INERIS 13ATEX9022U/01

(4) ENCLOSURES TYPE EJB****

(5) Made by NUOVA ASP

(15) PURPOSE OF THE ADDITION

- Extension of the maximum ambient temperature from +60°C to +80°C.
- Application of the standard EN 60079-0 :2012 / A11: 2013.

PARAMETERS RELATING TO THE SAFETY

None.

MARKING

The marking is unchanged.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are unchanged.

(16) DESCRIPTIVE DOCUMENTS

The descriptive documents quoted hereafter constitute the technical documentation describing the modification of the equipment, subject of this present addition.

- Certification file n° 14-224 rev.0 of 2014.01.15 (15 rubrics) signed on 2014.01.15
- Certification file n° 14-224 rev.1 of 2014.06.19 (12 rubrics) signed on 2014.06.19

(17) SCHEDULE OF LIMITATION

The schedules of limitation are modified as follows:

- The enclosures provided with windows have been assessed and tested to be used in the range of the operating temperatures from -60°C to + 120°C.
- The enclosures provided without windows have been assessed and tested to be used in the range of the operating temperatures from -60°C to + 200°C.
- The non transmission tests have been performed for a maximum ambient temperature of +80°C.
- The width of the flameproof joints is superior to those specified in tables of EN/IEC 60079-1 standard.
- During the installation, the user will take into consideration that the windows of the enclosures underwent only a shock corresponding to an energy of a low risk at 2J.
- For group IIB+H2, the content of the Ex component enclosure equipment may be placed in any arrangement provided that an area of at least 40% of each cross-sectional area remains free to permit unimpeded gas flow and, therefore, unrestricted development of an explosion.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is completed or modified as follows:

- Conformity to the following standards :
 - EN 60079-0 : 2012/A11: 2013
 - EN 60079-1 : 2007
 - EN 60079-31 : 2009
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2014.11.27



The Chief Executive Officer of INERIS
By delegation
T. HOUeix
Ex Certification Officer



2 Composant prévu d'être utilisé sur/dans un appareil ou système de protection destiné à être utilisé en atmosphères explosibles

Component Intended for use on/in an Equipment or Protective System Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/UE

Directive 2014/34/EU

**1 ATTESTATION D'EXAMEN UE DE TYPE
EU-TYPE EXAMINATION CERTIFICATE**

3 Numéro de l'attestation d'examen UE de type / *Number of the EU-Type Examination Certificate*

INERIS 13ATEX9022U

INDICE / *ISSUE* : 02

4 Composant / *Component*:

COFFRETS TYPE EJB*
ENCLOSURES TYPE EJB*****

5 Fabricant / *Manufacturer*:

NUOVA ASP

6 Adresse / *Address* :

Via De Gasperi, 26
I - 20090 Pantigliate (MI)

7 Ce composant et toute autre variante acceptable de celui-ci sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités dans cette annexe

This component and any acceptable variation thereto is specified in the Annex of this certificate and the descriptive documents therein referred to.

8 L'INERIS, organisme notifié et identifié sous le numéro 0080, conformément aux articles 17 and 21 de la directive 2014/34/UE du Parlement Européen et du Conseil, datée du 26 février 2014, et accrédité par le COFRAC sous le n° 5-0045 dans le cadre de l'activité de certification de produits et services (portée disponible sur www.cofrac.fr) certifie que ce composant répond aux Exigences Essentielles de Sécurité et de Santé en ce qui concerne la conception et la construction des composants destinés à être utilisés en atmosphères explosibles, décrites en annexe II de la Directive.

INERIS, notified body and identified under number 0080, in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, and accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website www.cofrac.fr), certifies that this component fulfils 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.

Les procédures de certification sont disponibles sur www.ineris.fr.

The rules of certification are available on INERIS website on: www.ineris.fr.

Les examens et les essais sont consignés dans le rapport :

The examinations and the tests are recorded in report:

N° 031323.

9 Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par :

The respect of the Essential Health and Safety Requirements has been assured by:

- la conformité à / *Conformity with:*

EN 60079-0 :	2012/A11 :	2013	IEC 60079-0 :	2011
EN 60079-1 :	2014		IEC 60079-1 :	2014
EN 60079-31 :	2014		IEC 60079-31 :	2013

- les solutions spécifiques adoptées par le fabricant pour satisfaire aux Exigences Essentielles de Sécurité et de Santé décrites dans les documents descriptifs /

Specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents

10 Le signe U est placé à la suite du numéro de l'attestation d'examen UE de type, indique que cette attestation ne doit pas être considérée à tort comme une attestation délivrée pour un appareil ou un système de protection. Cette certification partielle peut être utilisée comme base pour la certification d'un appareil ou d'un système de protection.

The sign "U" is placed after the Number of the EU type examination certificate. 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 Cette attestation d'examen UE de type se rapporte uniquement à la conception, aux examens et essais du composant spécifié conformément à la directive 2014/34/UE. D'autres exigences de cette Directive s'appliquent à la fabrication et à la fourniture de ce composant celles-ci ne sont pas couvertes par cette attestation.

This EU-Type Examination Certificate relates only to the design, examinations and tests of the specified component in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

12 Le marquage du composant doit contenir :

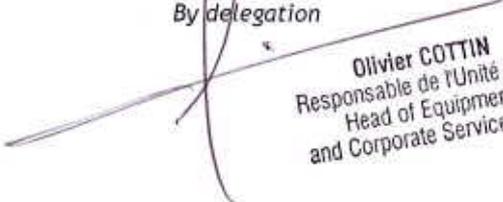
The marking of the component shall include the following:

 II 2 GD

Verneuil-en-Halatte, 2016.05.20



Le Directeur Général de l'INERIS
Par déléation
The Chief Executive Officer of INERIS
By delegation


Olivier COTTIN
Responsable de l'Unité EQEN
Head of Equipment
and Corporate Services Unit

13 ANNEXE15 DESCRIPTION DU COMPOSANT :

Coffrets métalliques de différentes tailles réalisés en aluminium, en acier inoxydable, acier carbone ou en fonte pour le Groupe IIB+H2 et IIIC.

Les coffrets peuvent être équipés de couvercles pleins ou de couvercles avec hublots. Les coffrets peuvent être équipés aussi d'un conduit (diamètre maximal 3" et longueur maximale 200 mm) permettant d'assembler des enveloppes antidéflagrantes séparées par une traversée scellée certifiée en accord avec le montage prévu dans les documents descriptifs.

Ces coffrets possèdent les degrés de protection IP66 selon la norme EN/IEC 60529.

Le couvercle est fixé par des vis en acier inoxydable A4-70 pour les coffrets types EJB91 et EJB93 et par des vis en acier inoxydable des vis A2-70 pour les autres types.

MARQUAGE :

Le marquage doit être lisible et indélébile ; il doit comporter les indications suivantes :

NUOVA ASP
I - 20090 Pantigliate (MI)
EJB***
INERIS 13ATEX9022U
(Numéro de série)
(Année de construction)

 II2GD

Ex db IIB+H2 Gb

Ex tb IIIC Db

IP66

ENVELOPPE VIDE AVEC CERTIFICAT
DE COMPOSANT Ex

L'ensemble du marquage peut être réalisé dans la langue du pays d'utilisation.

L'appareil ou le système de protection doit aussi porter le marquage normalement prévu par les normes de construction qui le concernent.

13 ANNEX15 DESCRIPTION OF THE COMPONENT :

Metallic enclosures of different sizes made in aluminium, stainless steel, carbon steel or cast iron for Group IIB+H2 and IIIC.

These enclosures can have a blind cover or provided with a glass window. The enclosures can be fitted with tubes (maximum diameter 3" and maximum length 200 mm) in order to assembly two flameproof enclosures separated by a certified sealing fitting in accordance with the drawing specified in the descriptive documents.

These Ex components get the degrees of protection IP66 in accordance with EN/IEC 60529.

The cover is fixed by stainless steel screws A4-70 for the type enclosures EJB91 and EJB93 and by stainless steel screws A2-70 for the other types.

MARKING :

Marking has to be readable and indelible; it has to include the following indications:

NUOVA ASP
I - 20090 Pantigliate (MI)
EJB***
INERIS 13ATEX9022U
(Serial Number)
(Year of Construction)

 II2GD

Ex db IIB+H2 Gb

Ex tb IIIC Db

IP66

*EMPTY ENCLOSURE WITH
Ex COMPONENT CERTIFICATE*

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

EXAMENS ET ESSAIS INDIVIDUELS :

Chaque exemplaire du composant Ex ci-dessus défini doit avoir subi avec succès, avant livraison conformément au § 16.1 de la norme EN/IEC 60079-1, une épreuve de surpression statique d'une durée comprise entre 10 et 60 secondes sous :

ROUTINE EXAMINATIONS AND TESTS :

Each pieces of the Ex component defined above has to have successfully passed; before delivery in accordance with clause 16.1 of the EN/IEC 60079-1 standard, an overpressure test of a period comprised between 10 and 60 seconds under:

Volume interne libre / Free internal volume	Pression / Pressure		
	Température ambiante jusqu'à / Ambient temperature down to :		
	- 20 °C	- 40 °C	- 60 °C
≤ 12 dm ³	9.9 bar	12.5 bar	15 bar
13 dm ³ ≤ V ≤ 45 dm ³	11.9 bar	15.3 bar	16.2 bar
46 dm ³ ≤ V ≤ 175 dm ³	12.2 bar	15.9 bar	16.8 bar

Pour le conduit 3'' :

Conformément au § 16.1 de la norme EN/IEC 60079-1 chaque exemplaire du composant Ex ci-dessus défini doit avoir subi avec succès, avant livraison, une épreuve de surpression statique d'une durée comprise entre 10 et 60 secondes sous 22 bar.

For conduit tube 3'' :

In accordance with clause 16.1 of the EN/IEC 60079-1 standard each Ex component defined above has to have successfully passed, before delivery, an overpressure test of a period comprised between 10 and 60 seconds under 22 bar.

16 DOCUMENTS DESCRIPTIFS :

Le document descriptif cité ci-après, constitue la documentation technique du composant Ex, objet de la présente attestation.

16 DESCRIPTIVE DOCUMENTS :

The descriptive document quoted hereafter constitutes the technical documentation of the Ex component, subject of this certificate.

Titre / Title	Réf. / Ref.	Rév. / Rev.	Date / Date
Dossier technique / Technical file (15 Rubriques / Rubrics)	14-224	2	2016-02-15

17 LIMITES DE CERTIFICATION :

- Les coffrets avec hublots ont été évalués pour être utilisés dans une gamme de température de service de -60°C à +120°C.
- Les coffrets sans hublots ont été évalués pour être utilisés dans une gamme de température de service de -60°C à +200°C.
- Les essais de non transmission ont été réalisés pour une température ambiante maximale de +80°C.
- La longueur des joints antidéflagrants est supérieure aux valeurs spécifiées dans les tableaux de la norme EN/IEC 60079-1.
- Lors de l'installation l'utilisateur devra tenir compte du fait que les coffrets avec hublots n'ont subi qu'un choc mécanique faible à 2J.
- Le contenu de l'équipement de l'enveloppe du composant Ex peut être placé dans n'importe quelle situation dès lors qu'au moins 40% de chaque section reste libre pour permettre sans difficulté le passage de gaz et, en conséquence, le développement sans restriction d'une explosion.

18 EXIGENCES ESSENTIELLES DE SECURITE ET DE SANTE :

Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par :

- La conformité aux normes listées au paragraphe (9).
- L'ensemble des dispositions adoptées par le constructeur et décrites dans les documents descriptifs.

19 REMARQUES :

Les indices 00 à 01 font référence à l'attestation d'examen CE de type n° INERIS 13ATEX9022U et son complément émis précédemment conformément à la directive 94/9/CE.

Les modifications de l'indice 02 concernent :

- Application des normes EN 60079-1 : 2014, EN 60079-31 : 2014.
- Modification du système de mise à la terre.
- Modification mécanique du corps.
- L'application de la nouvelle Directive 2014/34/UE.

17 SCHEDULE OF LIMITATIONS :

- *The enclosures provided with windows have been assessed and tested to be used in the range of the operating temperatures from -60°C to + 120°C.*
- *The enclosures provided without windows have been assessed and tested to be used in the range of the operating temperatures from -60°C to + 200°C.*
- *The non transmission tests have been performed for a maximum ambient temperature of +80°C.*
- *The width of the flameproof joints is superior to those specified in tables of EN/IEC 60079-1 standard.*
- *During the installation, the user will take into consideration that the windows of the enclosures underwent only a shock corresponding to an energy of a low risk at 2J.*
- *The content of the Ex component enclosure equipment may be placed in any arrangement provided that an area of at least 40% of each cross-sectional area remains free to permit unimpeded gas flow and, therefore, unrestricted development of an explosion.*

18 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS :

The respect of the Essential Health and Safety Requirements is ensured by:

- *Conformity to the standards quoted in clause (9).*
- *All provisions adopted by the manufacturer and defined in the descriptive documents.*

19 REMARKS :

The issues 00 to 01 refer to the EC-type examination certificate N° INERIS 13ATEX9022U and it addition issued previously according to the Directive 94/9/EC.

The changes of the issue 02 are regarding:

- *Application of the standard EN 60079-1:2014, EN 60079-31: 2014.*
- *Modification of the earthing system.*
- *Mechanical modification on the body.*
- *Application of the new Directive 2014/34/EU.*