



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

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|--|--|-------------|--|
| Certificate No.: | IECEx INE 13.0077U | Issue No: 0 | Certificate history: Issue No. 0 (2014-08-12) |
| Status: | Current | Page 1 of 3 | |
| Date of Issue: | 2014-08-12 | | |
| Applicant: | NUOVA ASP Via De Gasperi, 26 I - 20090 Pantigliate (MI) Italy | | |
| Electrical Apparatus: Optional accessory: | Empty enclosures type GUB* , GUBW* | | |
| Type of Protection: | d and tb | | |
| Marking: | Ex d IIC Gb Ex tb IIIC Db IP66 | | |

Approved for issue on behalf of the IECEx
Certification Body:

Dominique CHARPENTIER

Position:

Certification division manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

INERIS
Institut National de l'Environnement Industriel
et des Risques
BP n2
Parc Technologique ALATA
F-60550 Verneuil-En-Halatte
France



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Manufacturer: **NUOVA ASP**
Via De Gasperi, 26
I - 20090 Pantigliate (MI)
Italy

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[FR/INE/ExTR13.0077/00](#)

Quality Assessment Report:

[IT/CES/QAR06.0001/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Metallic enclosures made in aluminum alloy, stainless steel, carbon steel or cast iron of different sizes for Group IIC 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 200mm) 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 IEC 60529.

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 IEC 60079-1 standard.
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.

CONDITIONS OF CERTIFICATION: NO

Annex:

[IECEx INE 13.0077U_Annex.pdf](#)



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Annexe: IECEx INE 13.0077U_Annex.pdf

MARKING

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

- NUOVA ASP
- I - 20090 Pantigliate (MI)
- GUB* or GUBW*
- IECEx INE 13.0077U
- (Serial number or batch number)
- Ex d IIC 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.

ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 16.1 of the 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:

- 14.1 bar for ambient temperature down to -20°C
- 17.1 bar for ambient temperature down to -40°C
- 18.6 bar for ambient temperature down to -60°C

For conduit tube:

In accordance with clause 16.1 of the 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.