



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

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Issue 0 (2014-09-18)

Status: **Current** Issue No: 1

Date of Issue: 2022-01-06

Applicant: **BARTEC F.N. S.R.L.**  
Via M. Pagano, 3  
I - 20090 Trezzano sul Naviglio (MI)  
**Italy**

Equipment: **Enclosures type EMH9\*S**

Optional accessory:

Type of Protection: **d and tb**

Marking: Ex d IIC T6 Gb  
Ex tb IIIC T85°C Db IP66

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:



Thierry HOUEIX

Ex Certification Officer

Signé électroniquement  
Digitally signed by  
Thierry HOUEIX  
Ex Certification Officer  
Délégué Certification

2022-01-06

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Certificate issued by:

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



controlling risks |  
for sustainable development



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Manufacturer: **BARTEC F.N. S.R.L.**  
Via M. Pagano, 3  
I - 20090 Trezzano sul Naviglio (MI)  
**Italy**

Additional  
manufacturing  
locations:

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 equipment 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 60079-31:2008](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition:1

This Certificate **does not** indicate compliance with 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 Reports:

[FR/INE/ExTR14.0014/00](#)

[FR/INE/ExTR14.0014/01](#)

Quality Assessment Report:

[IT/CES/QAR09.0003/14](#)



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

This enclosure made in aluminum alloy or stainless steel is constituted by a body closed with a cover fixed by four screws with minimum quality A2-70 or A4-70.

The cover is provided with a glass window. This enclosure is intended to contain mainly electrical and/or electronic equipment as analogical or digital measuring instruments, the internal equipment is listed in the technical note.

This enclosure can be fitted with all Ex components IECEx TUN 11.0038U, IECEx TUN 12.0025U or IECEx EXA 13.0001U, except the drain valve which is only allowed for dust application.

The enclosure gets the degrees of protection IP66 in accordance with IEC 60529 standard.

**SPECIFIC CONDITIONS OF USE: YES as shown below:**

The width of the flameproof joints is superior to that specified in the tables of IEC 60079-1 standard.



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

### **Issue n°1 :**

- Change of the name and address of the applicant and manufacturer
- Update of the marking plates

### **Annex:**

[IECEX INE 14.0014X-01\\_Annex.pdf](#)



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Annex: IECEx INE 14.0014X-01\_Annex.pdf

## **PARAMETERS RELATING TO THE SAFETY**

Maximum dissipated powers:

- 11 W for classes T6 or T85°C with ambient 60°C.
- 16 W for classes T6 or 85°C with ambient 40°C.

This enclosure is intended to be used in range of ambient temperatures from -20°C, -40°C, -60°C to +40°C, or +60°C.

## **MARKING**

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

- BARTEC FN (\*\*\*\*)  
I – 20090 Trezzano sul Naviglio (MI)
- EMH9\* (\*)
- IECEx INE 14.0014X
- (Serial number)
- Ex d IIC T6 Gb
- Ex tb IIIC T85°C Db IP66
- T.amb : (\*\*)
- T.Cable : 85°C (\*\*\*)
- Cable entries : (type and size)

### **WARNINGS:**

- DO NOT OPEN WHEN ENERGIZED.
- DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.

(\*) Type is completed by number corresponding to the manufacturer variations.

(\*\*) One of the following as stipulated in the parameters relating to the safety in accordance with the maximum dissipated.

(\*\*\*) Temperature cable only for ambient 60°C.

(\*\*\*\*) Optional Brands "BARTEC FEAM" or "BARTEC NASP" can be added in the marking with the sentence "manufactured by BARTEC FN"

## **ROUTINE EXAMINATIONS AND TESTS**

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

- 13.2 bar for ambient temperature down to -20°C.
- 19.2 bar for ambient temperature down to -40°C.
- 21.4 bar for ambient temperature down to -60°C.