



# 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)

Certificate No.: **IECEX INE 14.0038X** Page 1 of 4 [Certificate history:](#)  
Issue No: 1 [Issue 0 \(2014-07-04\)](#)

Status: **Current**

Date of Issue: 2026-01-26

Applicant: **RIBCO S.r.l.**  
Via dei Mille, 12  
I-20061 Carugate (MI)  
**Italy**

Equipment: **Fitting units type RE, REB, REM, REN, PLG, PLD, PLE, NP, NPF, EM, ELF**

Optional accessory:

Type of Protection: **Ex db / eb / tb**

Marking: All FITTINGS except for NPF Series NPF Series only

Ex db I Mb	Ex eb I Mb
Ex db IIC Gb	Ex eb IIC Gb
Ex eb IIC Gb	Ex tb IIIC Db IP66
Ex tb IIIC Db IP66	

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:  
(for printed version)



Thierry HOUEIX

Ex Certification Officer

2026-01-26

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

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Certificate issued by:

**INERIS**  
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: **RIBCO S.r.l.**  
Via dei Mille, 12  
I-20061 Carugate (MI)  
**Italy**

Manufacturing  
locations: **RIBCO S.r.l.**  
Via dei Mille, 12  
I-20061 Carugate (MI)  
**Italy**

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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 Report:

[FR/INE/ExTR14.0030/01](#)

Quality Assessment Report:

[IT/CES/QAR11.0001/14](#)



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Reducers, adapters, stopping plugs, nipples, coupling and 90°bends made in metal.

Fitting units gets the degree of protection IP64 for Ex db, Ex eb and Ex tb and degree of protection IPx6 according to the IEC 60529 standard with the use of suitable grease.

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

The operating temperatures of the FITTING UNITS depends by the O-Rings or Gaskets material as follows:

- -40°C ÷ +100°C with EPDM O-Ring
- -60°C ÷ +180°C with SILICON, FLUOROSILICON or WHITE PTFE O-Ring.
- -60°C ÷ +180°C without any O-Ring or Gasket.



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

The changes of the issue 01 are regarding:

- Standard update.
- New models PLE (Stopping plug with external hexagon key) and NPF (Nipple female to male).
- New threads M12x1,5 and 1/4" NPT added on models:
  - RE, REB, REM, REN
  - PLG, PLD, PLE
- Deleted material Aluminum alloy EN AW-6060.
- Added new materials CW724R and SS AISI 317L.
- Added new gasket material in FLUOROSILICON and WHITE PTFE.
- NPF Series with M90 and 3"NPT thread type can be manufactured up to 300 mm length only for Ex eb and Ex tb.

## **Annex:**

[IECEX INE 14.0038X-01\\_Annex.pdf](#)



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Annex: IECEX INE 14.0038X-01\_Annex.pdf

## **PARAMETERS RELATING TO THE SAFETY**

### Size of threaded joints

- Taper thread: ¼" NPT up to 3" NPT as per ANSI B.1.20.1
- Cylindrical thread: M12x1,5 up to M90x1,5 as per ISO 262 - ISO 965 - 1,2,3

### Length of fittings

- Only the nipple female to male NPF series can be manufactured up to 300 mm length for Ex eb and Ex tb type of protection only.

### Operating temperatures

- -40°C ÷ +100°C with EPDM O-Ring
- -60°C ÷ +180°C with SILICON, FLUOROSILICON or WHITE PTFE O-Ring.
- -60°C ÷ +180°C without any O-Ring or Gasket.

## **MARKING**

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

### All FITTINGS except for NPF Series

- RIBCO
- I-20061-CARUGATE (MI)
- ... (\*)
- Year of Construction
- IECEX INE 14.0038X
- Ex db I Mb Ex db IIC Gb Ex eb IIC Gb
- Ex tb IIIC Db IP66

### For NPF Series only

- RIBCO
- I-20061-CARUGATE (MI)
- ... (\*)
- Year of Construction
- IECEX INE 14.0038X
- Ex eb I Mb Ex eb IIC Gb
- Ex tb IIIC Db IP66

On the small equipments the marking can be reduced at:

### All FITTINGS except for NPF Series

- RIBCO-I
- ... (\*)
- Year of Construction
- IECEX INE 14.0038X
- Ex db / eb / tb IP66

### For NPF Series only

- RIBCO-I
- ... (\*)
- Year of Construction
- IECEX INE 14.0038X
- Ex eb / tb IP66

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

## **ROUTINE EXAMINATIONS AND TESTS**

None.