



- (2) **Equipment and protective systems intended for use in potentially explosive atmospheres
Directive 94/9/EC**

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

- (3) Number of the EC type examination certificate: **INERIS 14ATEX0029X**

- (4) Equipment or protective system:

FITTING UNITS TYPE RE*** or RE***** or PL**** or NP*** or EM*** or ELF*****

- (5) Manufacturer:

RIBCO

- (6) Address:

Via dei Mille, 12
20061 Carugate (MI)-ITALY

- (7) This equipment or protective system 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 of the 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 equipment or protective system 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 annex II of the Directive.

The examinations and the tests are consigned in report No 028198/14.



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

- conformity with:

EN 60079-0 : 2012/A11 :2013
EN 60079-1 : 2007
EN 60079-7 : 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 X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protective system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.
- (11) This EC type examination certificate relates only to the design, examination and tests of the specified equipment or protective system 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 equipment or the protective system will have to contain:

 I M2  II 2 GD

Verneuil-en-Halatte, 2014.06.26



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

(13)

ANNEX

(14) EC TYPE EXAMINATION CERTIFICATE N° INERIS 14ATEX0029X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

This series of fitting units is composed by adapters, plugs, nipples and 90° bends can be made in EN AW-6060, CW614N (OT58), AISI 316L or ASTM A105.

It gets the degree of protection IP66 according to the EN 60529 standard.

PARAMETERS RELATING TO THE SAFETY

Size of threaded joints:

Taper threading : NPT : 3/8" NPT up to 3" NPT.

Cylindrical threading : ISO-262 and ISO965-1/2/3 : M16 x 1.5 mm up to M90 x 1.5 mm.

Operating temperature:

-40 °C to +100 °C with EPDM O-ring;

-60 °C to +180 °C with silicone O-ring.

MARKING

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

a) Marking for units without aluminum

RIBCO

20061 Carugate (MI)-ITALY

RE***** or RE***** or PL**** or NP*** or EM*** or ELF***

INERIS 14ATEX0029X

(Year of construction)

⊕ I M2 ⊕ II 2 GD



Ex d I Mb

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66


On the small equipments, the marking can be reduced:

RIBCO-I
RE***** or RE***** or PL**** or NP*** or EM*** or ELF***
(Year of construction)
INERIS 14ATEX0029X
 I M2  II 2 GD
Ex d/e/tb
IP66


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.

b) Marking for units in aluminum

RIBCO
20061 Carugate (MI)-ITALY
RE***** or RE***** or PL**** or NP*** or EM*** or ELF***
INERIS 14ATEX0029X
(Year of construction)
 II 2 GD
Ex d IIC Gb
Ex e IIC Gb
Ex tb IIIC Db IP66

On the small equipments, the marking can be reduced:

RIBCO-I
RE***** or RE***** or PL**** or NP*** or EM*** or ELF***
(Year of construction)
INERIS 14ATEX0029X
 II 2 GD
Ex d/e/tb
IP66

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.

ROUTINE EXAMINATIONS AND TESTS

None.

(16) DESCRIPTIVE DOCUMENTS

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

- Certification File DC-FIT-00 Rev.0 (12 items)

signed on 2014.03.10

(17) SPECIAL CONDITIONS FOR SAFE USE

Operating temperature of the fitting units:

- 40° C to +100° C with EPDM O-ring;
- 60° C to +180° C with silicone O-ring.

(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.