(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 13ATEX0010X**

(4) Equipment or protective system:

PRESSURIZED CABINETS TYPE APX 290/340

(5) Manufacturer: ARTEL S.r.l

(6) Address: Via G. Verdi 19/C
I - 24040 CHIGNOLO D'ISOLA (BG)

(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, 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 027179/13.

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

- conformity with:

EN 60079-0 : 2009
EN 60079-2 : 2007
EN 60079-11 : 2007

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

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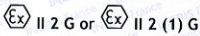
Etablissement public à caractère industriel et commercial - RCS Senlis B 381 984 921 - Siret 381 984 921 00019 - APE 743B

(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:

 II 2 G or II 2 (1) G

Verneuil-en-Halatte, 2013.04.29

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

(13) # ANNEX

(14) EC TYPE EXAMINATION CERTIFICATE N°INERIS 13ATEX0010X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

Electrical control cabinets protected by pressurization. Pressurization control unit contains a set of certified electrical equipment when located in hazardous area.

The cabinet contains a set of equipment specified by descriptive documents, in particular one or more certified electrical equipment.

PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage	:	11000 V
Maximum power	:	1000 KW
Maximum current	:	1000 A
Frequency	:	48 to 62 Hz

MARKING

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

ARTEL S.r.l
I - 24040 CHIGNOLO D'ISOLA (BG)
APX 290/340
(Serial number)
(Year of construction)
INERIS 13ATEX0010X

 II 2 (1) G

Ex ia px [ia Ga] II(*) T(**) Gb

or

 II 2 G

Ex ia px II(*) T(**) Gb

or

⟨Ex⟩ II 2 G

Ex ia px [ib Gb] II(*) T(**) Gb

Tamb : -40°C to +60°C

(*)IIB or IIC

(**)T5 or T4 or T3

	APX 290	*APX 340*
Free internal volume	2.1 m^3	2,5 m^3
Minimum purging flow rate of protective gas	35 Nm^3/h	34 Nm^3/h
Minimum purging duration	25 mn	30 mn
Minimum overpressure	1 mbar	1 mbar
Maximum overpressure	5 mbar	5 mbar
Maximum leakage rate	6 Nm^3/h	8 Nm^3/h
Control point of overpressure	Valve	

WARNINGS :

PRESSURIZED ENCLOSURE

DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

THIS ENCLOSURE CONTAINS INERT GAS AND MAY BE AN ASPHYXIATION HAZARD *(if inert gas)*

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

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

ROUTINE EXAMINATIONS AND TESTS

Each exemplar of the equipment defined above, must have undergone successfully prior to delivery:

- According to §17.1 of the standard EN 60079-2, a verification of the performance of safety devices.
- According to §17.2 of the standard EN 60079-2, a leakage test has to be done to check the maximum leakage rate.

(16) DESCRIPTIVE DOCUMENTS

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

- Certification file DTP-APX-290/340, Rev.0 signed on 2013.01.15.

(17) SPECIAL CONDITIONS FOR SAFE USE

- User shall take all convenient precautions before using by-pass system eventually included in the pressurisation control unit.
- User shall connect, on intrinsic safety terminal strip, only elements with electrical characteristics lower or equal to the characteristics defined in any certificates of associated intrinsically safe apparatus.
- All electrical elements associated with this equipment and contributing to his convenient use and safety, when located in hazardous area, must be protected by one or more standardized types of protection, certified and suitable for considered using.

(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.