



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

Certificate No.: IECEx INE 17.0015X Issue No: 0 Certificate history:
Issue No. 0 (2017-10-04)

Status: **Current** Page 1 of 3

Date of Issue: **2017-10-04**

Applicant: **QUASAR SERVICE S.r.l**
Via Bergamo, 14
I-24050 Grassobbio (BG)
Italy

Equipment: **Pressurized Cabinets type QSIB 240**
Optional accessory:

Type of Protection: **pxb [ia/ib]**

Marking:
Ex pxb [ia Ga or ib Gb] IIB or IIB+H2 or IIC T4 or T3 Gb
Ex pxb [ia Da or ib Db] IIIA or IIIB or III C T135°C or T200°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Thierry HOUEIX

Position:

Ex Certification Officer

Signature:
(for printed version)



Date:

2017-10-04

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](http://www.iecex.com).

Certificate issued by:

INERIS
Institut National de l'Environnement Industriel
et des Risques, BP n2
Parc Technologique ALATA
France

INERIS



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Manufacturer: **QUASAR SERVICE S.r.l.**
Via Bergamo,14
I-24050 Grassobbio (BG)
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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-2 : 2014-07 Edition:6	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"

*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/ExTR17.0029/00](#)

Quality Assessment Report:

[FR/INE/QAR14.0004/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Electrical control cabinets protected by pressurization using the pressurization system BEBCO 6000 certified IECEx UL 08.0003X.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 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.

Annex:

[IECEx INE 17.0015X-00_Annex.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage	:	11 000 V
Maximum power	:	10 000 KW - kVA
Maximum current	:	10 000 A
Frequency	:	48 to 62 Hz
Protective gas	:	Air or Nitrogen

	QSIB 240
Free internal volume	1.7 m ³
Minimum purging flow rate ¹	33.6 Nm ³ /h
Minimum purging duration	22 min
Minimum overpressure ²	1 mbar
Maximum overpressure ²	5 mbar
Maximum leakage rate ²	5 Nm ³ /h

- (1) Measured at the inlet
(2) During normal operation (service)

ROUTINE EXAMINATIONS AND TESTS

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

- According to clause 17.1 of the IEC 60079-2 standard, a verification of the performance of safety devices.
- According to clause 17.2 of the IEC 60079-2 standard, a leakage test as specified in section 16.3.



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MARKING :

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

- QUASAR SERVICE S.r.l
I - 24050 GRASSOBBIO (BG)
- QSIB 240
- IECEX INE 17.0015X
- (Serial number)
- Ex pxb [i* G**] II**** T***** Gb
- Ex pxb [i* D***] III**** T***** Db
- Tamb = -40°C to +60°C for T4/T135°C and T3/T200°C
- 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)
POWER SHALL NOT BE RESTORED AFTER THE ENCLOSURE HAS BEEN OPENED UNTIL
COMBUSTIBLE DUST ACCUMULATIONS WITHIN THE ENCLOSURE HAVE BEEN
REMOVED

¹: In accordance with the Identification code and tables of specifications which are defined in the manufacturers documents.

(*) : ia or ib

(**) : Ga or Gb

(***) : Da or Db

(****) : IIB or IIB+H2 or IIC

(*****) : IIIA or IIIB or IIIC

(*****) : T4 or T3

(*****) : T135°C or T200°C