



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.: issue No.: Certificate history:

Status:

Date of Issue: **2014-03-25** Page 1 of 4

Applicant: **Warom Technology Incorporated Company**
No.555, Baoqian Road, Jiading District, Shanghai, 201808,
China

Electrical Apparatus: **Pressurized Explosion-protected (Analysis) Cabin Model PXB Series**
Optional accessory:

Type of Protection: **Protection by pressurized room "p"**

Marking: Ex px IIB T4 Gb
Ex px IIIC T130°C Db

Approved for issue on behalf of the IECEx Certification Body: Zhang Wei

Position: President

Signature:
(for printed version)

Date:

2014.03.25

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:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100037
China





IECEX Certificate of Conformity

Certificate No.: IECEx CQM 14.0009X

Date of Issue: 2014-03-25

Issue No.: 0

Page 2 of 4

Manufacturer: **Warom Technology Incorporated Company**
No.555, Baoqian Road, Jiading District, Shanghai, 201808,
China

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 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-13 : 2010-10 Explosive atmospheres - Part 13: Equipment protection by pressurised room "p"
Edition: 1.0

*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:
CN/CQM/ExTR14.0008/00

Quality Assessment Report:
CN/CQM/QAR07.0003/04



IECEx Certificate of Conformity

Certificate No.: IECEx CQM 14.0009X

Date of Issue: 2014-03-25

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

1. PXB series pressurized explosion-protected (analysis) cabin is steel structure, interior and exterior wall are steel, middle layer is insulation layer. The maximum overall size the cabin is 7700mm length, 2500mm width, 4000mm height. Pressurized cabin is divided into two functional areas: the buffer room and pressurized room. Pressurized cabin consists of the main structure, pressurized control system, pressurized ventilation system, pressurized monitoring system, audible and visual alarm interlock system, lighting system, temperature control system, the user low pressure system, etc.
2. According to protective gas source type, the cabin is divided into pipeline air supply and self-supply type. Pipeline air supply type means the user on-site shall provide clean compressed air as protective gas of the cabin; self-supply type means the supply is provided by the air supply fan from Warom company, gas taken from the security zone as the protective gas of the cabin.

Rating

Pressurized control system rated voltage: 220VAC/380VAC

Pressurized control system rated current: 10A

User system rated voltage: 220VAC/380VAC/400VAC/440VAC/460VAC/660VAC/690VAC

Rated ambient temperature range (°C) : -20°C~+55°C

CONDITIONS OF CERTIFICATION: YES as shown below:

1. There is no internal source of release.
2. The air used to purge the pressurised Room shall be taken from a non-hazardous area.
3. All Equipment that remains energised when purge is lost shall have a suitable IEC Ex certificate for the area of use (Gb/Db, ambient range etc)



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Date of Issue: 2014-03-25

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Page 4 of 4

EQUIPMENT(continued):

The range of sizes and positive pressure data of PXB series pressurized explosion-protected (analysis) cabin see the following table:

Positive pressure chamber volume V (m ³)	V≤20	20<V≤40	40<V≤65	
Minimum ventilation time (min)	20	40	60	
Minimum for air flow (m ³ /min)	11	11	11	
Take a breath minimum pressure (Pa)	30	30	30	
Range of sizes	L-Length (m)	L≤4	3≤L≤6	5≤L≤10
	W-Wide (m)	2≤W≤3	2≤W≤3	2≤W≤4
	H-Height (m)	2≤H≤3	2≤H≤3	2≤H≤4