



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: Page 1 of 4

Applicant: **Raxton Limited**
Kingsway South
Westgate
Aldridge
Walsall
West Midlands
United Kingdom

Electrical Apparatus: **CT Range of Breather/Drains**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **Ex e I/IC Mb Gb**
Ex d I/IC Mb Gb
Ex tb IIIC Db IP 6X

Approved for issue on behalf of the IECEx Certification Body: **D R Stubbings BA MIET**

Position: **Certification Manager**

Signature:
(for printed version)

Date: 2009-09-25

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:

SIRA Certification Service
Rake Lane
Ecclestone
Chester
CH4 9JN
United Kingdom





IECEX Certificate of Conformity

Certificate No.: IECEX SIR 08.0127U

Date of Issue: 2009-09-25

Issue No.: 0

Page 2 of 4

Manufacturer: **Raxton Limited**
Kingsway South
Westgate
Aldridge
Walsall
West Midlands
United Kingdom

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

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:

[GB/SIR/ExTR08.0158/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0016/00](#)



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 08.0127U

Date of Issue: 2009-09-25

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The CT Breather/Drains are designed to allow moisture emission from either Flameproof Type 'Ex d' enclosures and Increased Safety Type 'Ex e' enclosures. Each device comprises either a brass or a stainless steel body with an M20, M25, 1/2" NPT or 3/4" NPT entry thread. The body is machined such that a dust/moisture seal, manufactured from sintered copper/bronze alloy which can be optionally nickel plated, can be pressed in place. The device is designed to be screwed into the wall of an enclosure.

'O' ring seals materials fitted into the Breather/Drain are provided in nitrile, viton, EPDM, neoprene, silicone or fluorsilicone materials to suit the application.

CONDITIONS OF CERTIFICATION: NO





IECEX Certificate of Conformity

Certificate No.: IECEX SIR 08.0127U

Date of Issue: 2009-09-25

Issue No.: 0

Page 4 of 4

EQUIPMENT(continued):

The Manufacturer shall note the following condition of manufacture:

1. The manufacturer shall provide with each device a declaration stating the following:
 - Confirmation of the material, maximum bubble test pre size and minimum density
 - Special mounting instructions

The User/Installer shall note the following special points for noting:

1. The breather/drains are only suitable for bottom entry applications.
2. The interfaces between the breather/drains and associated enclosure cannot be defined. Therefore it is the user's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.
3. The reference pressure is limited to 4000 kPa maximum.
4. These devices shall not be used with enclosures with a volume that is greater than 2.5 litres.
5. At their point of mounting, these devices are suitable for use at the following temperatures dependant on the type of 'O' ring:

'O'-ring Material	Limiting temperature
Nitrile	-20°C to +80°C
EPDM	-30°C to +125°C
Neoprene	-20°C to +100°C
Viton	-5°C to +150°C
Silicone	-30°C to +150°C
Fluorosilicone	-50°C to +150°C