



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 08ATEX1288U** Issue: **0**

4 Component: **CT Range of Breather/Drains**

5 Applicant: **Raxton Limited**

6 Address: Raxton Limited
Kingsway South
Westgate
Aldridge
Walsall
West Midlands
WS9 8FS
UK

7 This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

IEC 60079-0:2007	EN 60079-1:2007	EN 61241-0:2006
	EN 60079-7:2007	EN 61241-1:2004

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:



I M 2
II 2GD
Ex e I/IIC Mb Gb
Ex d I/IIC Mb Gb
Ex tb IIIC Db IP 6X

Project Number 51A19011
C. Index 07

D R Stubbings BA MIET
Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

**Sira 08ATEX1288U
Issue 0**

13 DESCRIPTION OF COMPONENT

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 a 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 flurosilicone materials to suit the application.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report No.	Comment
0	25 September 2009	R51A19011A	The release of the prime certificate.

14.3 Certificate number Sira 08ATEX1240U Issue 0



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 08ATEX1288U
Issue 0

15 SPECIAL CONDITIONS FOR SAFE USE

- 15.1 The breather/drains are only suitable for bottom entry applications.
- 15.2 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.
- 15.3 At their point of mounting, these devices are approved 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

- 15.4 The reference pressure is limited to 4000 kPa maximum.
- 15.5 These devices shall not be used with enclosures with a volume that is greater than 2.5 litres

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 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.

Certificate Annexe

Certificate Number: Sira 08ATEX1288U
Component: CT Range of Breather/Drains
Applicant: Raxton Limited



Issue 0

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
CT Series	1 of 1	1	21 Sep 09	Flameproof Exd Breather Drain

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