



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: Sira 00ATEX3074U

4 Component: Type CV Breather Drain Plugs

5 Applicant: Raxton Limited

6 Address: Kingsway South  
Westgate  
Aldridge  
West Midlands  
WS9 8FS

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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report numbers R53M6821A, R53V9260A and R51A13665A.

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:

EN 50014:1997 (amendments 1 and 2)  
EN 50019:1994  
EN 50281-1-1:1998

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 M2 II 2 DG or  II 2 DG  
EEx e I/II EEx e II

Project Number 51A13665  
Date 23 October 2000  
Latest issue 4 July 2005  
C. Index 07

C Ellaby  
Certification Officer



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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 00ATEX3074U

Re-issued 4 July 2005 to include the IP rating and to incorporate variation 1 dated 22 July 2002.

#### 13 DESCRIPTION OF COMPONENT

The 'CV' range of breather drain plugs each comprise a hollow brass body that is threaded at one end to enable it to be fitted to the bottom of the associated 'Ex e' enclosure. The body contains a press fitted sintered disc that allows moisture pass out of the enclosure via two drain holes. These exit into the hexagonal socket, which shrouds the drain holes and provides a means of tightening the device.

The components have an ingress protection rating of IP 66 and are available with entry thread sizes between M20 and M32.

#### Design Options:

- An alternative body profile with three drain holes.
- The substitution of the sintered ring by a sintered disc of the same pore size; the sintered disc is pressed into the existing body.

#### Alternative materials of manufacture:

- Mild steel to BS 970:1983
- Stainless steel to BS 970:1983
- Aluminium bronze BS 1400:1985
- Aluminium to BS 1474:1987 (Not for Group I use)
- Glass filled nylon MDF2 900 (Not for Group I use)

#### Alternative threadforms in equivalent sizes:

- ET to BS 31:1979
- Pg to DIN 40430:1971
- BSPT to BS 21:1985
- BSPP to BS 2279:1985
- NPT to ANSI/ ASME B1.20.1 -1983

#### 14 DESCRIPTIVE DOCUMENTS

Drawing No.	Sheet	Rev.	Date	Title
811	1 of 1	2	07 May 02	EEx e Breather Drain Plugs

14.2 Report numbers R53M6821A, R53V9260A and R51A13665A

#### 15 SPECIAL CONDITIONS FOR SAFE USE

15.1 The CV Breather Drain Plugs that are constructed of glass filled nylon shall only be used within the temperature range of -20°C to +65°C.

#### 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 report numbers R53M6821A, R53V9260A and R51A13665A.

#### 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 CV Breather Drain Plugs that are constructed of aluminium or glass filled nylon shall not be marked with any information that indicates that they are suitable for Group I use.

Date 23 October 2000

Latest issue 4 July 2005

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### Sira Certification Service

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Sira Certification Service is a service of Sira Test & Certification Ltd



**sira**  
Certification Service



## EC TYPE-EXAMINATION CERTIFICATE VARIATION

**CERTIFICATE NUMBER** Sira 00ATEX3074U Dated 23 October 2000  
**VARIATION NUMBER** 1 (ONE) Dated 22 July 2002

### VARIATION TO COMPONENT

To permit:

- 1 The substitution of the sintered ring by a sintered disc of the same pore size; the sintered disc is pressed into the existing body.

### DESCRIPTIVE DOCUMENTS

Number	Sheet	Rev	Date	Description
811	1 of 1	2	07 May 02	EEx e Breather Drain Plugs

### ADDITIONAL CONDITIONS OF CERTIFICATION

None

**File No** 53V9260

**Report No.** R53V9260A

  
**R Cooper IEng LInstMC**  
Deputy Chief Executive

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## EC TYPE-EXAMINATION CERTIFICATE VARIATION

<b>CERTIFICATE NUMBER</b>	Sira 00ATEX3074U	Dated	23 October 2000
		Re-issued	4 July 2005
<b>VARIATION NUMBER</b>	1 (ONE)	Dated	17 July 2006
		Re-issued	4 August 2006

Re-issued 04 August 2006 to correct typographical error.

### VARIATION TO COMPONENT

To permit:

- 1 The introduction of a size M16 x 1.5 breather drain plug.

### DESCRIPTIVE DOCUMENTS

Number	Sheet	Rev.	Date	Description
811	1 of 1	3	19 May 06	General arrangement - Breather Drain Plugs
811/A*	1 of 1	-	07 Jul 06	M16 Breather Drain Plugs detailed drawing

\* This drawing was amended by Sira on 12 July 2006 following confirmation from the manufacturer.

### ADDITIONAL CONDITIONS OF CERTIFICATION

None

**File No.** 51A15220

**Report No.** R51A15220A

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**C Ellaby**  
Certification Officer

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