



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: Sira 02ATEX9381

4 Equipment: The Stainless Steel Heavy Duty Grounding Clamp, VESX90
The Reb Grounding Clamp, VESX41
The Tanker Grounding Clamp, VESC09
The Raco Clamp, VSX05/M
The Cling-on Clamp, VESX04
The Earthling Clamp, VESX02/05

5 Applicant: Newson Gale Limited

6 Address: Unit 6 Churchill Park
Colwick
Nottingham
NG4 2HF
UK

7 This equipment 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 confidential report number R52AA8999A.

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 13463-1:2001

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

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

12 The marking of the equipment shall include the following:

The Raco Clamp, VSX05/M

All other clamp types



IIB 1 GD T6



II 1 GD T6

Project Number 52AA8999
Date 12 February 2003
C. Index 07

M D Shearman
Certification Manager

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Sira Certification Service

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SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

All of the devices are spring-actuated, equi-potential bonding clamps that are intended to prevent the build up of unwanted static electricity on conductive surfaces; they are constructed as detailed below:

The Stainless Steel Heavy Duty Grounding Clamp, VESX90

Comprising stainless steel clamp bodies with brass contact holder and contacts. Contact pressure is maintained by a stainless steel spring.

The Reb Grounding Clamp, VESX41

Comprising hard anodised aluminium clamp bodies with stainless steel contacts. Contact pressure is maintained by a zinc passivated steel spring.

The Tanker Grounding Clamp, VESC09

Comprising stainless steel clamp bodies with brass bushes and tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.

The Raco Clamp, VESX05/M

Comprising brass clamp bodies with plastic handles and brass contacts. Contact pressure is maintained by a zinc plated steel spring.

The Cling-on Clamp, VESX04

Comprising mild steel clamp bodies with brass contact holders and tungsten carbide contacts with a brass "V" section. Contact pressure is maintained by a galvanised zinc plated steel spring.

The Earthling Clamp, VESX02/05

Comprising mild steel clamp bodies with brass contact holders and stainless steel contacts with a brass "U" section. Contact pressure is maintained by a stainless steel spring or a zinc plated steel spring.

14 DESCRIPTIVE DOCUMENTS

14.1	Drawing No.	Sheet	Rev.	Date	Title
	AC-001	1 of 1	3	24 Jan 03	Stainless Steel Heavy Duty Clamp
	AC-002	1 of 1	3	24 Jan 03	REB Clamp
	AC-003	1 of 1	3	24 Jan 03	Tanker Clamp
	AC-004	1 of 1	3	24 Jan 03	RACO Clamp
	AC-005	1 of 1	3	24 Jan 03	Clingon Clamp
	AC-006	1 of 1	3	24 Jan 03	Earthling Clamp
14.2	Report No. R52AA8999A				

Date 12 February 2003

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- 15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)
None
- 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 No. R52AA8999A.
- 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.

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