



Reg No: 1999/027771/07

(Pty) Ltd

7 Spanner Rd / PO Box 467
Olifantsfontein
1665

Tel: +27 (11) 316 4601

Fax: +27 (11) 316 5670

E-mail: admin-mgr@explolabs.co.za**GOVERNMENT APPROVED TEST LABORATORY**

IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE (IMPORT)

Page 1 of 3

Date Issued: **23 Jun 2025**Certificate Validity: **23 Jun 2028**

IA Certificate Validity: In accordance with ARP 0108 and the National Code of Practice, import IA certificates has a validity period of three (3) years from the date of issue. The IA certificate's validity period depends on the validity of the international document that it is based upon, and it is invalidated should the international certificate be cancelled or the product quality assurance or notification becomes invalid. Equipment imported under a valid IA certificate and handed over to the end user, the IA Certificate validity falls away and the Ex equipment remains compliant with the relevant standards for its lifetime, provided the equipment is maintained in its original certified configuration. No modifications are allowed. Imported apparatus not sold by the IA certificate expiry date is deemed to not be covered by this IA Certificate and this IA Certificate shall undergo a renewal process. Renewal of this IA certificate is the responsibility of the IA Certificate Holder. The IA Certificate Holder must provide and maintain records to the end-user, of date of sale for traceability purposes.

Certificate Number:

S-XPL/13.1003 XIssue Number: **5**

Equipment:

Remote Communication Interface

Model / Type:

RCI9H2

IA Certificate Holder:

Valmet South Africa (PTY) Ltd

IA Certificate Holder Location:

237 Albert Amon Road, Meadowdale, Germiston

Manufacturer:

Valmet Flow Control Oy

Manufacturer Location:

Vanha Porvoontie 229, Vantaa FI-01380, Finland

Serial No:

All serial numbers, imported between issued- and validity date and all serial numbers covered by either valid QAN or QAR.

Identified by Inspection Authority Number

S-XPL/13.1003 X

And as described in the Explolabs file number **XPL/14467/13.1003 Issue 5** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of the South African National Standards.

SANS 60079-0: 2012 Ed 5**IEC 60079-0: 2011 Ed 6**

Explosive atmospheres Part 0: Equipment — General requirements

SANS 60079-11: 2012 Ed 4**IEC 60079-11: 2011 Ed 6**

Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"

SANS 60079-26: 2007 Ed 2**IEC 60079-26: 2006 Ed 2**

Explosive atmospheres – Part 26: Equipment with equipment protection level (EPL) Ga

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
Very high	[Ga] Group II	Two independent means of protection or safe even when two faults occur independently of each other	Equipment remains functioning in zones 0, 1 and 2	Not applicable

This certificate supersedes all previous documents bearing the reference no XPL/14467/13.1003 Issue 4.

DOCUMENT No: XPL0213

RELEASE DATE: 11/03/2025

REV: 9

This document is an Explolabs Controlled Document – Responsibility falls on personnel to ensure correct revision is applied as noted in the electronic system.

1. **GENERAL**

The marking of the Remote Communication Interface shall include the following:

[Ex ia Ga] IIC

Ta = -20°C to +60°C

The RCI9H2 is a Remote Communication Interface unit which limits the transfer of energy from the Safe Area into the Hazardous Area. It is associated electrical equipment designed to provide an intrinsically safe output to equipment such as the ValvGuard located in zone 0 hazardous area.

The RCI9H2 comprises electronic circuit mounted on a printed circuit board which is housed in a plastic enclosure designed to be mounted on a rail. External electrical connections to the safe are made at six sets of (white) terminals and external connections to the hazardous area are made at a set of (blue) terminals.

At the safe area side terminals POWER SUPPLY, SAFETY SIGNAL, TESTING STATUS, ALARM STATUS, HART AND PST START

Um = 253 V

At hazardous area side terminals SIGNAL TO VG

Uo = 24.5V Io = 93.6 mA Po = 595 mW Co = 0.117 µF Lo = 4.29 mH

Conditions of manufacture

The Manufacturer shall comply with the following:

1. The isolating transformers used in the equipment shall be subjected to a routine electric strength test using a test voltage of 1500 Vac applied between the input and out windings for 60 s. Alternatively, a voltage of 20% higher may be applied for 1 s. There shall be no evidence of flashover or breakdown and the maximum current flowing shall not exceed 5 mA.

Based on the following documentation: IECEx SIR 13.0014X Issue No.: 6

2. **INSTALLATION INSTRUCTIONS**

It is the IA Certificate Holder's responsibility to supply OEM installation instructions with each unit offered for sale as required by IEC/SANS 60079-0, clause 30.

The equipment shall be installed, operated, and maintained in accordance with the manufacturer's instructions and the applicable South African standards and regulations.

3. **SPECIAL CONDITIONS FOR SAFE USE** (denoted by "X" after certificate number)

The user and installer shall comply with the following Specific Conditions Of Use:

The quoted entity parameters of Co and Lo are applicable for the distributed capacitance and inductance in cable. Where there is circuit capacitance or inductance in the connected equipment (represented by Ci and Li respectively), then these values shall not exceed 50% of the quoted Co and Lo.

4. **CONDITIONS OF CERTIFICATION**

This approval is granted based on the submitted documentation.

Any modifications or alterations to the equipment will invalidate this IA Certificate.

The Certificate Holder is responsible for maintaining accurate records of the equipment and this IA Certificate.

All production units must be covered by either a QAN (Quality Assurance Notification) or QAR (Quality Assurance Report).

Renewal: This IA certificate may be renewed under a valid Quality Assurance Notification (QAN) or Quality Assurance Report (QAR). Imported apparatus not sold by the IA certificate expiry date must undergo this renewal process. This condition remains the responsibility of the IA Certificate Holder. Renewal of this IA certificate is the responsibility of the IA Certificate Holder.

This certificate supersedes all previous documents bearing the reference no XPL/14467/13.1003 Issue 4.

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Renewal involves a document review, including:

- Verification of the latest ATEX/IECEx certificate.
- Confirmation of a valid QAN/QAR.

Certificate holders are responsible for submitting these documents.

5. MARKING

The equipment shall bear the manufacturer's original marking plate containing all relevant Ex-certification details (applicable under the ATEX Directive). The following (or similar) information shall be clearly and permanently marked on all units:

IA Certificate Holder : Valmet South Africa (PTY) Ltd
Ex Rating : [Ex ia Ga] IIC
Ta = -20°C to +60°C
IA Certificate No : S-XPL/13.1003 X

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

- SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- Any conditions mentioned in the above report;
- Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- A revision certificate replaces all previous versions of the certificate.
- * - Only covers equipment Imported between the "Issued" and "Expire" dates.
- If and when your QAN (Quality Assurance Notification) or QAR (Quality Assurance Report) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted, the existing IA Certification will then be cancelled. It is thus the Certificate Holder's responsibility to always submit the updated and valid QAN/QAR certificate(s) to Explolabs (Pty) Ltd

Reviewed by:



CC Lourens
Technical Specialist

EXPLOLABS EXPLOSION PREVENTION SERVICES

This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd

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