EXPLOLABS Explosion Prevention Services (Pty) Ltd
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GOVERNMENT APPROVED TEST LABORATORY

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

IA CERTIFICATE

Date Issued: **07 Mar 2016**
*Expiry date: **07 Mar 2018**

Issue: 0

Ex – Type Examination Certificate

Certificate Number:	**S-XPL/16.0301 X**
Equipment:	**Air Conditioning System**
Model / Type:	**RXS20L3V1B/EX and FTXS20K3v1B/Ex**
Applicant:	**Elemental Analytics** **PO Box 328** **Isando** **1600**
Manufacturer:	**Atexxo Manufacturing**
Serial No:	All serial numbers of equipment covered by a valid report or acceptable product certification mark.

The unit(s) as described in Explolabs File Number **XPL/17303/16.0301** is hereby certified "Explosion Protected" **Ex ic nAC IIB T3 Gc** , having been tested, examined and inspected in accordance with the relevant requirements of South African Standards:

SANS 60079-0: 2012 Ed 5 **IEC 60079-0: 2011 Ed 6**	Explosive atmospheres Part 0: Equipment — General requirements
SANS 60079-15: 2010 Ed 4 **IEC 60079-15: 2010 Ed 4**	Explosive atmospheres Part 15: Equipment protection by type of protection "n"

Protection afforded	Equipment Protection Level (EPL) Group	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
Enhanced	Gc Group II	Suitable for normal operation	Equipment remains functioning in zone 2	200ºC

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:

i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
ii) Any conditions mentioned in the above report;
iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
v) A revision certificate replaces all previous version of the certificate.
vi) * - Only covers equipment Imported between the "Issued" and "Expire" dates.
vii) If and when your QAN (Quality Assurance Notification) 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 client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd

1. DESCRIPTION OF EQUIPMENT

The type RXS20L3V1N/EX and FTXS20K3V1B/Ex air conditioning units was self-certified by Attexo Manufacturing under document No: ATEXXO 15 ATEX 0520 X. The manufacturer supplied full technical documentation regarding the design and all tests carried out on the air conditioning units.

All the necessary tests and assessments were carried out by the manufacturer and no further testing was considered necessary.
The documentation was assessed by Explolabs and based on the technical documentation supplied by the manufacturer.

2. SPECIAL CONDITIONS FOR SAFE USE (denoted by X after certificate number)

- The safety of the air-conditioning unit depends on the correct installation as detailed in the manufacturer's installation instructions.

3. INSTALLATION INSTRUCTIONS

The manufacturer has prepared installation instruction that complies with the requirements as set out in clause 30 of IEC 60079-0. It is Elemental Analytics responsibility to supply installation instructions with each unit offered for sale.

4. CONDITIONS OF CERTIFICATION

- All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

5. MARKING

The following (or similar) information have to be clearly and permanently marked on all units:

Supplier	: Elemental Analytics
Manufacturer	: Atexxo Manufacturing
Equipment	: Air Conditioning System
Model/Type	: RXS20L3V1B/EX and FTXS20K3v1B/Ex
Serial No.	: ---
Ex Rating	: Ex ic nAC IIB T3 Gc
IA Certificate No	: S-XPL/16.0301 X

Responsible Testing Officer:

D Maree
SANAS Technical Signatory

Reviewed by:

H de Wet
SANAS Technical Signatory

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