



Reg No: 1999/027771/07

(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: **14 Aug 2018**
*Expiry date: **14 Aug 2028**
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Issue: 0

Ex – Type Examination Certificate

Certificate Number: **MS-XPL/18.0668 X**
Equipment: **Glands**
Model / Type: **Enviro Compression Glands**
Applicant: **Pratley Manufacturing (Pty) Ltd**
PO Box 3055
Kenmare
1745
Manufacturer: **Pratley Manufacturing (Pty) Ltd**
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/19675/18.0668** is hereby certified "Explosion Protected" **Ex d I/IIC Mb/Gb, Ex e I/IIC Mb/Gb, Ex nR IIC Gc, Ex ta IIIC Da, IP68 (2m cont.)**, having been tested, examined and inspected in accordance with the relevant requirements of South African Standards:

- SANS 60079-0: 2012 Ed 5** Explosive atmospheres Part 0: Equipment — General requirements
- IEC 60079-0: 2011 Ed 6**
- SANS 60079-1: 2015 Ed 5** Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"
- IEC 60079-1: 2014 Ed 7**
- SANS 60079-7: 2007 Ed 3** Explosive atmospheres Part 7: Equipment protection by increased safety "e"
- IEC 60079-7: 2006 Ed 4**
- SANS 60079-15: 2010 Ed 4** Explosive atmospheres Part 15: Equipment protection by type of protection "n"
- IEC 60079-15: 2010 Ed 4**
- SANS 60079-31: 2014 Ed 2** Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t"
- IEC 60079-31: 2013 Ed 2**

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	Da Group III	Two independent means of protection or safe even when two faults occur independently of each other	Equipment remains functioning in zones 20, 21 and 22	None specified
High	Mb Group I	Suitable for normal operation and severe operating conditions	Equipment de-energized when explosive atmosphere present	
High	Gb Group II	Suitable for normal operation and frequently occurring disturbances or equipment where faults are normally taken into account	Equipment remains functioning in zones 1 and 2	
Enhanced	Gc Group II	Suitable for normal operation	Equipment remains functioning in zone 2	



The South African National Accreditation System (SANAS) is a member of the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). This Arrangement allows for the mutual recognition of technical test and calibration data by the member accreditation bodies worldwide. For more information on the Arrangement please consult www.ilac.org

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 : Pratley Manufacturing (Pty) Ltd
 Manufacturer : Pratley Manufacturing (Pty) Ltd
 Equipment : Glands
 Model/Type : Enviro Compression Glands
 Serial No. : ---
 Ex Rating : Ex d I/IIC Mb/Gb, Ex e I/IIC Mb/Gb, Ex nR IIC Gc, Ex ta IIIC Da, IP68 (2m cont.)
 IA Certificate No : MS-XPL/18.0668 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:

- ii) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- iii) Any conditions mentioned in the above report;
- iv) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- v) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- vi) A revision certificate replaces all previous version of the certificate.
- vii) * - Only covers equipment Imported between the "Issued" and "Expire" dates.
- viii) 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

Responsible Testing Officer:



N. Retief
Testing Officer

Reviewed by:



D. Maree
Senior Testing Officer

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