



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BAS 06.0013X issue No.:12

Status: Current

Date of Issue: 2016-12-15 Page 1 of 4

Applicant: **Hawke International**
A Division of Hubbell Ltd.
A member of the Hubbell Group of Companies
Oxford Street West, Ashton-under-Lyne
Lancashire, OL7 0NA
United Kingdom

Certificate history:
Issue No. 12 (2016-12-15)
Issue No. 11 (2016-9-8)
Issue No. 10 (2015-10-8)
Issue No. 9 (2015-1-7)
Issue No. 8 (2013-10-22)
Issue No. 7 (2012-11-2)
Issue No. 6 (2012-3-14)
Issue No. 5 (2011-6-21)
Issue No. 4 (2009-9-17)
Issue No. 3 (2008-10-1)
Issue No. 2 (2007-4-26)

Equipment: A Range of Compression Type Cable Glands,
Optional accessory:

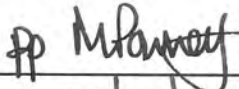
Type of Protection: Ex db, Ex eb, Ex tb

Marking: Ex db IIC Gb
Ex eb IIC Gb
Ex tb IIIC Db IP66
(- 60°C ≤ ta ≤ + 100°C) see schedule

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Technical Manager

Signature:
(for printed version)


M POWNEY
15/12/16

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





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Oxford Street West
Ashton-under-Lyne
Lancashire
OL7 0NA
United Kingdom

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition: 7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition: 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/BAS/ExTR06.0011/00
GB/BAS/ExTR10.0287/00
GB/BAS/ExTR13.0242/00
GB/BAS/ExTR16.0027/00

GB/BAS/ExTR08.0173/00
GB/BAS/ExTR11.0274/00
GB/BAS/ExTR14.0367/00
GB/BAS/ExTR16.0251/00

GB/BAS/ExTR09.0165/00
GB/BAS/ExTR12.0144/00
GB/BAS/ExTR15.0200/00

Quality Assessment Report:

GB/BAS/QAR06.0061/06



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

A range of compression type cable glands manufactured in brass, stainless steel or aluminium. The glands may be supplied with metric or specified non-metric equivalent thread forms. These glands are intended for use with effectively filled circular cables. The cable type and/or cable protection/retention method is specific to each gland type designation – see annex for detail.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Except for PSG glands, all glands are suitable for use within an operating temperature range of -60°C to +100°C. The PSG range of glands are limited to an operating temperature range of -60°C to +80°C.
2. When the glands are used for increased safety or dust protection the entry thread shall be suitably sealed (in accordance with IEC 60079-14) to maintain the ingress protection rating of the associated enclosure.
3. Glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting (does not apply to variation 6.3, 7.1 and 10.1).
4. The type 8430-501/453 J M100 gland as per variation 2.1 may only be used for fixed cable installations of group II equipment. The user shall ensure that the cable is effectively clamped to prevent pulling and twisting.
5. When used in accordance with variation 8.1 the types 501/421 and 501/423 cable glands, with the exception of the type 501/421R, are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting. The type 501/421/R has an integral clamping arrangement which precludes the requirement of this specific condition of use.
6. When used in accordance with variation 8.2 the types 501/453 RAC cable glands are only suitable for fixed applications and the cable must be effectively clamped and cleated to prevent pulling and twisting (does not apply to variation 10.1)



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 12.1

To allow the addition of a new compression type cable gland designated PSG 421 sizes O to C, which comprise of an entry component, a seal, a spigot and a back nut.

ExTR: GB/BAS/ExTR16.0027/00

File Reference: 16/0079