



# 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](http://www.iecex.com)

Certificate No.: **IECEX BAS 09.0088X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2009-08-28** Page 1 of 3


Applicant: **ABTECH Limited**  
5 Sanderson Street  
Sheffield  
S9 2UA  
United Kingdom

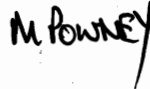
Electrical Apparatus: **AAG XXX Range of Cable Glands**  
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust Protection by Enclosure**

Marking: **Ex d IIC Ex e II Ex tD A21 IP66 (-60°C ≤ ta ≤ +80°C)**

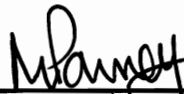
Approved for issue on behalf of the IECEx  
Certification Body:

 R S Sinclair



Position: **Managing Director**

Signature:  
(for printed version)

  
\_\_\_\_\_  
**28/08/2009**

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.

Certificate issued by:

**Baseefa**  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





# IECEX Certificate of Conformity

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Manufacturer: **ABTECH Limited**  
5 Sanderson Street  
Sheffield  
S9 2UA  
United Kingdom

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:

|   |  |
|---|--|
| <b>IEC 60079-0 : 2004</b><br>Edition: 4.0 | Electrical apparatus for explosive gas atmospheres - Part 0: General requirements                        |
| <b>IEC 60079-1 : 2003</b><br>Edition: 5   | Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'                    |
| <b>IEC 60079-7 : 2001</b><br>Edition: 3   | Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'                        |
| <b>IEC 61241-0 : 2004</b><br>Edition: 1   | Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements          |
| <b>IEC 61241-1 : 2004</b><br>Edition: 1   | Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD" |

*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/ExTR09.0126/00

Quality Assessment Report:

GB/BAS/QAR07.0030/01

GB/SIR/QAR06.0046/01



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### The AAG XXX RANGE OF CABLE GLANDS

The AAG Range of Cable Glands is intended for use with an effectively filled and circular, armoured or basket weave armoured, or braided (screened) cable and comprises the following components the metal parts of which can be manufactured in brass and may be nickel plated to suit the application

See annex for full description.

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. These glands are suitable for use within an operating temperature range of  $-60^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ .
2. When the gland is 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.
4. In all installations both clamping rings must be fitted. When used with armoured or braided cable the unused ring must be installed behind the used ring.

# Baseefa

Rockhead Business Park  
Staden lane, Buxton, Derbyshire  
SK17 9RZ  
United Kingdom



ANNEX to IECEx BAS 09.0088X

Issue No. 0

Date: 2009/08/28

## The AAG XXX RANGE OF CABLE GLANDS

The AAG Range of Cable Gland is intended for use with an effectively filled and circular, armoured or basket weave armoured, or braided (screened) cable and comprises the following components the metal parts of which can be manufactured in brass and may be nickel plated to suit the application:-

- a. An entry component, in the size range (M20 to M75)
- b. A displacement sealing ring
- c. A combined compression spigot and armour clamping cone
- d. An armour clamping ring for steel wire armour
- e. An armour clamping ring for basket weave steel wire armour or braided (screened cable)
- f. A middle nut
- g. An outer seal assembly (sleeve seal and support ring)
- h. A back nut

The XXX is used to define the size of gland e.g 20a or 25 etc.

### Variation 0.1

Substitution of the M20 to M75 entry component with an entry component having an NPT equivalent in the range 1/2"NPT to 3"NPT.

### Variation 0.2

Substitution of the M20 to M50 entry component with an entry having a Pg equivalent in the range Pg13.5 to Pg 42.

### Variation 0.3

To allow the introduction of additional sizes of glands AAG-20/16, AAG-20b, AAG-80, AAG-90 and AAG-100 to the range.