



# 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 09.0091U** 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: **ABSP Range of Hexagonal Head Stopping Plugs**  
Optional accessory:

Type of Protection: **Increased Safety, Dust protection by enclosure**

Marking: **Ex e IIC Ex tb IIC IP67 (-60°C ≤ ta ≤ +80°C)**

Approved for issue on behalf of the IECEx  
Certification Body:

PP

R S Sinclair

M BOWNEY

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

Certificate No.: IECEx BAS 09.0091U

Date of Issue: 2009-08-28

Issue No.: 0

Page 2 of 3

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 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-1 : 2004</b> 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



# IECEX Certificate of Conformity

Certificate No.: IECEx BAS 09.0091U

Date of Issue: 2009-08-28

Issue No.: 0

Page 3 of 3

## Schedule

### EQUIPMENT:

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

The ABSP range of nickel plated brass stopping plugs comprise of a hexagonal head and threaded body fitted with a PTFE sealing washer. The range includes the following sizes:

See ANNEX for full description.

See ANNEX for Schedule of Limitations

**CONDITIONS OF CERTIFICATION: NO**

# Baseefa

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



ANNEX to IECEx BAS 09.0091U

Issue No. 0

Date: 2009/08/28

The ABSP range of nickel plated brass stopping plugs comprise of a hexagonal head and threaded body fitted with a PTFE sealing washer. The range includes the following sizes:

Part Number	Thread Size (Metric)
ABSP-H-M16	M16 x 1.5
ABSP-H-M20	M20 x 1.5
ABSP-H-M25	M25 x 1.5
ABSP-H-M32	M32 x 1.5
ABSP-H-M40	M40 x 1.5
ABSP-H-M50	M50 x 1.5
ABSP-H-M63	M63 x 1.5
ABSP-H-M75	M75 x 1.5

#### Schedule of Limitations

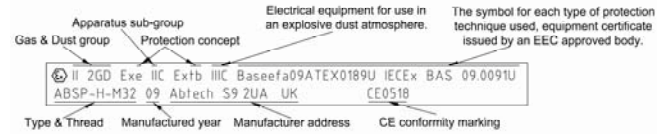
1. The range of stopping plugs shall not be exposed to temperatures outside the service temperature range of -60°C to +80°C.
2. The range of stopping plugs shall be fitted with the PTFE sealing washer.
3. When the stopping plugs are fitted in clearance holes then the hole diameter shall be no greater than 0.5mm above the major diameter of the stopping plug thread.
4. The stopping plugs shall remain perpendicular to the equipment face when installed to ensure correct compression of the PTFE sealing washer.

# ABSP Stopping Plug Installation Procedure



- 1) Carefully check the size of thread to be closed by stopping plug. Check the attached table to ensure compatibility.
- 2) The PTFE sealing washer must be fitted.
- 3) Fit the stopping plug to the apparatus and tighten until resistance is felt. Using a suitable spanner or wrench, tighten a further 1/2 to 3/4 of a turn.

### ATEX and IEC EX Marking details



### Schedule of Limitations

1. The range of stopping plugs shall not be exposed to temperatures outside the service temperature range of -60°C to +80°C.
2. The range of stopping plugs shall be fitted with the PTFE sealing washer.
3. When the stopping plugs are fitted in clearance holes then the hole diameter shall be no greater than 0.5mm above the major diameter of the stopping plug thread.
4. The stopping plugs shall remain perpendicular to the equipment face when installed to ensure correct compression of the PTFE sealing washer.

### Stopping Plug Selection Chart

Size	Part No	Thread size "M"	Hexagon Dimensions		Min. Thread Length "L"
			"H"	"P"	
M16	ABSP-H-M16	M16X1.5	20	22	15
M20	ABSP-H-M20	M20X1.5	24	26.8	
M25	ABSP-H-M25	M25X1.5	30	33.5	
M32	ABSP-H-M32	M32X1.5	36	40.5	
M40	ABSP-H-M40	M40X1.5	45.8	51.2	
M50	ABSP-H-M50	M50X1.5	55	61.5	
M63	ABSP-H-M63	M63X1.5	70	77	
M75	ABSP-H-M75	M75X1.5	80	88.5	
M85	ABSP-H-M85	M85X1.5	90	99	

### Certification Details

Certificate Number: ATEX: Baseefa09ATEX0189U, IEC Ex: IEC ExBAS09.0091U  
 Coding: II 2GD Ex e II Ex tb IIIC  
 Ambient Temperature: -60°C to +80°C  
 Ingress Protection: IP 66

Abtech Limited  
 5 Sanderson Street  
 Sheffield, S9 2UA  
 United Kingdom  
 Tel: +44 (0)114 244 2424  
 Fax: +44 (0)114 243 4312  
 www.abtech.eu



ABTQ-87  
 Revision Date: 13.08.2009 rev00