



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment or Protective System**
3 **Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC**

4 EC - Type Examination Certificate Number: **Baseefa09ATEX0189U**

5 Component: **ABSP Range of Hexagonal Head Stopping Plugs**

6 This certificate is held by: **Abtech Limited**

7 Address: **Sanderson Street, Lower Don Valley, Sheffield, S9 2UA**

8 This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

9 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. GB/BAS/ExTR09.0126/00

10 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

IEC60079-0:2007, EN60079-7:2007, EN61241-1:2004

except in respect of those requirements listed at item 18 of the Schedule.

11 The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

12 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified Component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

13 The marking of the component shall include the following :

⊕ II 2 GD Ex e IIC Ex tb IIC

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. 6376

Project File No. 09/0435

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

M. Sinclair
M. Downey
R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa09ATEX0189U

15 Description of Component

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
BASP-H-M25	M25 x 1.5
BASP-H-M32	M32 x 1.5
BASP-H-M40	M40 x 1.5
BASP-H-M50	M50 x 1.5
BASP-H-M63	M63 x 1.5
BASP-H-M75	M75 x 1.5

The PTFE washer provides an IP67 seal for the range of stopping plugs.

16 Report Number

GB/BAS/ExTR09.0126/00

17 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.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

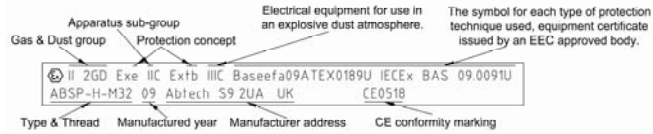
Number	Issue	Date	Description
ABT20090	A	02/07/09	Certification marking – ABSP stopping plugs
Baseefa08ATEX0051U	--	27/03/08	Type DASP Range of Hexagonal Head Stopping Plugs

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