



1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 11ATEX6033** Issue: **1**

4 Equipment: **Type BRD – Blast Resistant Damper
Type BPD – Blast Protection Damper**

5 Applicant: **Wozair Limited**

6 Address: **32 Grosvenor Road
Gillingham Business Park
Gillingham
Kent, ME8 0SA
UK**

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 13463-1: 2009

EN 13463-5: 2003

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:



II 2GD c T80°C (T6)

Project Number 70059706

R A Craig
Certification Support Officer

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service
Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom



SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 11ATEX6033
Issue 1

13 DESCRIPTION OF EQUIPMENT

The blast dampers are designed for use as an HVAC (Heating, Ventilation, and Air Conditioning) louvre on a module or building blast wall, the device is structurally designed to withstand a blast they are not intended to be a protective system that halts an incipient explosion, as defined by Article I, 3 (b) of the Directive 94/9/EC (ATEX); and are a 'Fail-Close' product that incorporates a spring system which automatically shuts that damper in the event of increased pressure.

The equipment is a family of ventilation dampers that includes following types:

- **Type BRD – Blast Resistant Damper** comprises a stainless steel fabricated frame with flanges both sides and with the louvre blades mounted within it. The blades are linked together by means of a linkage arrangement contained within the flanges of the damper frame providing a parallel motion of the blades. At the inlet face of the damper a stainless steel mesh is fitted over the louvers' to limit the ingress of debris. The size of a single module damper can vary from 200 mm wide x 200 mm high to 1200 mm wide x 1200 mm high and 250 mm deep. The damper blades may be operated manually by a spring loaded latching mechanism or automatically by a torsion spring pack.
- **Type BPD – Blast Protection Dampers** comprise an elongated stainless steel fabricated casing with flanges at each end. The louvre blades are mounted at one end and the other section of the casing is fitted with a series of tubes welded across and down the length of the casing. The size of a single module damper can vary from 200 mm wide x 200 mm high to 1200 mm wide x 1200 mm high and from 600 mm or 1200 mm deep. The damper blades may be operated manually by a spring loaded latching mechanism or automatically by a torsion spring pack.

Variation 1 - This variation introduced the following changes:

- i. The Applicants address was changed from, Wozair Limited, 5 & 6 Saracen Close, Gillingham Business Park, Gillingham, Kent ME8 0QN, UK, to, Wozair Limited, 32 Grosvenor Road, Gillingham Business Park, Gillingham, Kent, ME8 0SA, UK.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	14 July 2011	R23320A/00	The release of the prime certificate.
1	22 January 2016	R70059706A	The introduction of Variation 1.

15 SPECIAL CONDITIONS FOR SAFE USE

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

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Hawarden, CH5 3US, United Kingdom



SCHEDULE

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Issue 1

17 CONDITIONS OF CERTIFICATION

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

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Certificate Annexe



Certificate Number: Sira 11ATEX6033
Equipment: Type BRD – Blast Resistant Damper
Type BPD – Blast Protection Damper
Applicant: Wozair Limited

Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
870.2193	1 of 1	A	24 Jun 11	GA of BPD Blast Damper (Auto Reset)
870.2192	1 of 1	A	24 Jun 11	GA of BPD Blast Damper (Manual Reset)
870.2191	1 of 1	A	24 Jun 11	GA of BRD Blast Damper (Auto Reset)
870.2190	1 of 1	A	24 Jun 11	GA of BRD Blast Damper (Manual Reset)
D0013	1 of 1	0	24 Jun 11	Blast Damper Auto Reset Assembly
D0025	1 of 1	0	24 Jun 11	Blast Damper Manual Latch Box Assembly
870.1475	1 of 1	B	30 Jun 11	Identification Label

Issue 1

Drawing No.	Sheet	Rev.	Date (Sira stamp)	Description
870.1475	1 of 1	C.1	13 Jan 16	Identification Label

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