



1. **TYPE EXAMINATION**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**

3. Type Examination Certificate Number: **ITS09ATEX16871**

4. Equipment or Protective System: **Motor Drive Box (Storm/Conquest Servo Systems)**

5. Manufacturer: **Akron Brass**

6. Address: **343 Venture Blvd, Wooster, Ohio 44691, USA.**

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive 94/9/EC of 23 March 1994

The examination and test results are recorded in confidential Report: 09043653A1 & 09043653B1 dated 20 January 2010.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2006 and EN 60079-2:2007 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-

Ex II 3 G Ex pz II T6 *Purged*
Zn 2

P Moss
Certification Officer
25 January 2010

Intertek Testing & Certification Limited
Deeside Lane, Chester, CH1 6DD.
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Registered No 3272281 Registered Office: 25 Savile Row London W1X 1AA

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SCHEDULE

TYPE EXAMINATION CERTIFICATE NUMBER: ITS09ATEX16871

The Motor Drive Box (for use with either the Storm or Conquest Servo Systems) measures 914.4 mm (high) by 914.4 mm (wide) x 304.8 mm (deep). It houses various electrical components as shown on drawing number 90605 sheet 2 of 3. Purging is provided by an ATEX certified Purge Control Unit (see drawing number 90605 sheet 1 of 1) and purge characteristics are shown below.

Minimum Purge Flow:	200L/minute
Minimum Purge Duration:	5 minutes
Minimum Overpressure:	0.25 mbar
Maximum Overpressure:	10 mbar
Internal Volume:	255L
Leakage:	30 L/min
Maximum supply pressure:	8 bar
Minimum supply pressure:	4 bar

14. Report Number

Intertek Report Ref 09043653A1 & 09043653B1 dated 20 January 2010.

15. CONDITIONS OF CERTIFICATION:

a. Special Conditions for safe use

There are no special conditions for safe use.

b. Conditions For Use (Routine Tests)

A functional test shall be carried out in accordance with clause 17.1 of EN 60079-2:2007.
A leakage test shall be carried out in accordance with clause 17.2 of EN 60079-2:2007
A record of these results shall be kept.

16. Essential Health and Safety Requirements (EHSR's)

The relevant EHSR's that have not been addressed by the standards listed in this certificate have been identified and assessed in Intertek Report Ref 09043653C1 dated January 2010.

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17. DRAWINGS

Number	Issue	Date	Description
90605	0	09/09	SERVO MONITOR SYSTEM DIAGRAM, GENERAL LAYOUT, AND BILL OF MATERIAL (PAGES 1 TO 3)
45298	00	1-10	I.D. TAG (ATEX) STORM DRIVE BOX
45347	00	1-10	I.D. TAG (ATEX) CONQUEST DRIVE BOX

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

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