EU-Type Examination Certificate





SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS16ATEX18463X Issue 1

1. EU-TYPE EXAMINATION CERTIFICATE

- 2. Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 3. EU-Type Examination Certificate Number: ITS16ATEX18463X Issue 1
- 4. Product:

5.

9.

Manufacturer: Tolomatic, Inc.

- 6. Address: 3800 County Road 116 Hamel, MN 55340 USA
- 7. This product 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, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report 102420061DAL-004, Issue 0, Dated 23 March 2017.

Linear Actuator, Model: SVC 7k and SVC 15k

- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013 & EN 60079-1: 2014 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 product is subject to Specific Conditions of Safe Use specified in the Schedule to this certificate.
- 11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- **12.** The marking of the product shall include the following:

II 2 G Ex db IIB T4 Gb -40°C ≤ Ta ≤ +60°C

Todd L. Relyea Certification Officer 27 Sept 2018

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13. Description of Equipment or Protective System

The ServoChoke® SVC 7k and SVC 15k are integrated electromechanical servomotor driven linear actuators. The motors are driven by an external drive controller that is not native to the product. Maximum Speed of the motor is 3000 RPM. The actuator is rated IP 6x per IEC 60529. The motor is provided with one feedback encoder; 4 options of the part exist as described within the scheduled drawing 26158000. The manual actuation cover has options for a standard or a recessed cover. The front boss has options for a smooth cylindrical boss or a threaded boss; the boss to interface with the end product is not considered as a flamepath. The motor has an approximate length of 58 to 65 cm and a diameter of 22.6 cm. The electrical ratings of the product are: 480VAC L-L, 3A (Maximum), 1.5 HP; Maximum Speed: 3000 RPM.

Model Nomenclature:

The difference between the models is the roller screw lead. (The 7k has a 20mm/rev lead screw, while the 15k can use either the 5mm/rev or 10mm/rev lead screw). The models have identical outer dimensions, and use the same components to make the flameproof 'd' enclosure. The variations covered under this evaluation are internal components and are as follows: 1. SVC 15k – 15,000 pound thrust actuator. Maximum Linear Actuation Shaft speed of 9.8 mm/sec with a 10mm lead power screw or 4.9mm/s with a 5mm lead power screw. 2. SVC 7k - 7,000 pound thrust actuator. Maximum Linear Actuation Shaft speed of 19.6 mm/sec. This unit uses a 20 mm lead power screw as an alternate screw which is longer lead than option 1.

14. Report Number

Intertek Report Ref: 102420061DAL-004, Issue 0, Dated 23 March 2017 and 103103893DAL-002-CR dated 17 September 2018

15. Special Conditions of Certification

- (a). Specific Conditions of Safe Use
 - Field repair of flamepaths is prohibited. Return to manufacturer for repair and maintenance.
 Fasteners used to retain the flameproof enclosure are A4-70 Stainless Steel Socket Cap Machine Screws (Tensile strength of 700 MPa). Please refer to the manufacturer instructions for the size, length, and quantity of the special fasteners.
- (b). Conditions of Manufacture Routine Tests
 - None.

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16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report 102420061DAL-004, Issue 0, Dated March 2017.

17. Drawings and Documents

The following drawings have been updated under this variation:

Title:	Drawing No.:	Rev. Level:	Date:
PART SERVOCHOKE,7K & 15K CERTIFICATION	26158000 (8 Sheets)	07	06/20/18
ServoChoke Installation, Operation, and Maintenance Manual	2600-4001 (16 Sheets)	02	September 21, 2018

The following drawings have been added under this variation:

Title:	Drawing No.:	Rev. Level:	Date:
PAINT, BURKE, SVC	26151136	00	06/13/18
PAINT, PPG, SVC	26151137	00	06/13/18
LABELS, SVC CERTIFICATION DOCUMENTATION	26151138	00	07/18/18
	(Sheet 1 of 3)		

18. Details of Certificate changes Issue 1

Assessment under this variation is limited to the application of a paint layer to the external equipment enclosure. Paint materials have been assessed in accordance for compliance with the electrostatic charging testing of Clause 26.13 of EN 60079-0: 2012+A11:2013.

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