

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM17CA0115
3. **Equipment:** TORREXX ELECTRIC
(Type Reference and Name) VAPORIZER
4. **Name of Listing Company:** Algas-SDI International LLC
5. **Address of Listing Company:** 151 South Michigan St,
Seattle, Washington 98108,
USA
6. The examination and test results are recorded in confidential report number:

3028109 dated 29th March 2007
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

CSA-C22.2 No. 0.5:R2012, CSA-C22.2 No. 30:R2012, CSA-C22.2 No. 94:R2011
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**

Explosionproof for Class I, Division 1, Groups D; T3C hazardous locations, with a Type 4 environmental rating and ambient operating temperature of -20°C to +40°C.
11. The marking of the equipment shall include:

Class I Division 1, Groups D; T3C Ta = -20°C to +40°C; Type 4

Certificate issued by:

J. E. Marquedant
Manager, Electrical Systems

22 June 2017

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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SCHEDULE



Canadian Certificate Of Conformity No: FM17CA0115

12. Description of Equipment:

General – The Torrex LP Electric Vaporizers use heat to convert liquefied gas to vapor. The Torrex Vaporizer features a cylindrical heater core which contains the heating elements, thermocouple, and the inlet and outlet gas connections. The heating elements terminate in an enclosure at the base of the unit. The enclosure contains the electronics and electrical connections to the heating elements and thermocouple.

Construction- The enclosures are constructed of B-26 Grade 265 Aluminum Alloy. The electronics enclosure contains two ½ inch-14NPT conduit entries. One ¾ inch-14NPT Conduit entry and one 1-inch-11-1/2NPT opening. The Electronics Enclosure and cover are manufactured with Flat Flange Joint. The enclosure contains an internal groove to allow the O-ring seat.

Ratings- The equipment operating temperature is -20°C to 40°C

Models: TX25, TX50, TX100, TX160, TX180, TX240 & TX320

Model designations indicate rated vaporizing capacity in Kg/Hr. The vaporizers are available as Explosionproof for Class I, Division 1, Group D hazardous locations, Temperature class T3°C; Type 4.

Models: TX480 - TX2560

Model TX480 thru TX2560 are assembled by combining the outputs of the TX240 and TX320. The vaporizers are available as Explosionproof for Class I, Division 1, Group D hazardous locations. Temperature class T3°C; Type 4

Models: TX19AA, TX38AA, TX75AA, TX120AA, TX180AA, TX240AA

Model designations indicate rated capacity in lbs/hr. The vaporizers are Explosionproof for Class I, Division 1, Group D Hazardous locations Temperature class T3°C; Type 4.

13. Specific Conditions of Use:

NONE

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
29 th March 2007	Original

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SCHEDULE



Member of the FM Global Group

Canadian Certificate Of Conformity No: FM17CA0115

22 nd June 2017	Supplement 3: Report Reference: RR209500 Dated 22 nd June 2017. Description of the Change: Revised Certificate to latest format. Addition of Project Documentation with the addition of Batch Hydrostatic Testing in place of Routine Hydrostatic Testing.
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