

CERTIFICATE OF CONFORMITY



1. HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS

2. Certificate No: **FM23US0026**
3. Equipment:
(Type Reference and Name) **TORREXX Electric Vaporizer**
4. Name of Listing Company: **Algas-SDI International LLC**
5. Address of Listing Company: **20224 66th Ave S,
Kent, Washington 98032, USA**

6. The examination and test results are recorded in confidential report number:

3026276 dated 10th November 2006

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

FM 3600:2022, FM 3615:2022, FM 3810:2005, FM 7151, 7156, 7157:2021, NEMA 250:1991

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, Group D; T3C hazardous (classified) 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, Group D; T3C Ta = -20°C to +40°C; Type 4

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

4 April 2023

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

FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmaprovals.com www.fmaprovals.com

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SCHEDULE

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12. Description of Equipment:

General - The TORREXX LP Electric Vaporizers use heat to convert liquefied gas to vapor. The TORREXX 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 form a flat flange joint which is provided with an o-ring in a groove for ingress protection.

Ratings - The equipment operating temperature is -20°C to +40°C with an environmental rating of Type 4.

See Annex for models.

13. Specific Conditions of Use:

None

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

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
10 November 2006	Original Issue.
4 April 2023	<u>Supplement 2:</u> Report Reference: RR236483 dated 4 April 2023. Description of the Change(s): Update certificate to new format and to include current manufacturer address. Clean up ratings and remove Division 2 ratings which are not applicable. Where possible, standards are updated where changes between versions are considered non-technical.

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ANNEX

TORREXX Electric Vaporizer

Description of Equipment

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

Model designations indicate rated vaporizing capacity in Kg/hr.

TORREXX Electric Vaporizer

Description of Equipment

Models: TX480 - TX2560

Models TX480 through TX2560 are assembled by combining the outputs of the TX240 and TX320.

TORREXX Electric Vaporizer

Description of Equipment

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

Model designations indicate rated capacity in lbs/hr.

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