



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: **IECEX TUN 13.0028X** issue No.:1

Certificate history:
Issue No. 1 (2017-6-26)
Issue No. 0 (2016-9-30)

Status: **Current**

Date of Issue: **2017-06-26** Page 1 of 4

Applicant: **Algas-SDI**
151 South Michigan Street
Seattle, WA 98108
United States of America

Equipment: **Electrical Equipment of Flameless Catalytic Gas Tank Heater, Type SS-10, SS-30**
Optional accessory:

Type of Protection: **Flameproof enclosure 'd', Intrinsic Safety 'i'**

Marking: **Ex db ia IIB T1**

Approved for issue on behalf of the IECEX
Certification Body:

Christian Roder

Position: Deputy Head of the Certification Body

Signature:
(for printed version)


2017-06-26

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEX Website.

Certificate issued by:





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Manufacturer: **Algas-SDI**
151 South Michigan Street
Seattle, WA 98108
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

- | | |
|--|---|
| IEC 60079-0 : 2011
Edition: 6.0 | Explosive atmospheres - Part 0: General requirements |
| IEC 60079-1 : 2007-04
Edition: 6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-11 : 2011
Edition: 6.0 | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" |

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
DE/TUN/ExTR13.0034/01

Quality Assessment Report:
NO/PRE/QAR17.0007/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

This is a catalytic Gas Tank Heater to be mounted externally to the Gas Tank.

Type key

SS-10 and SS-30

Control unit is identical for these modules, SS-30 provides larger heating area.

Technical data

Power source for pre-heating is a 12 V car battery.

Permissible range of ambient temperature

-40 °C to +49 °C

See attachment for further details.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The apparatus may only be installed and used according to manufactures instructions.

The apparatus has to be fixed safely to the gas tank.

The power cable for pre-heating may only be connected to power source placed outside of the hazardous area.

Only suitably certified cable glands may be used at Ex d terminal box.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1

The linked QAR was changed. No further changes were recognized.