



[1] EC-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protective System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

- [3] EC-Type Examination Certificate Number: **Nemko 04ATEX1026**
- [4] Equipment or Protective System: **Electric Vaporizer**
- [5] Applicant: **Algas-SDI International, LLC**
- [6] Address: **1140 NW 46th St
Seattle, WA 98017
USA**
- [5] Manufacturer: **Algas-SDI International, LLC**
- [6] Address: **1140 NW 46th St
Seattle, WA 98017
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] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, 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.
- The examination and test results are recorded in confidential report no. 16538
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
CENELEC EN 50014: 1997 + A1: 1999 + A2: 1999 and CENELEC EN 50018:2000
- [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 EC-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:



II 2 G

EEx d IIB T3

Oslo, 2004-02-03

Rolf Hoel

**Rolf Hoel
Certification Department**

This certificate may only be reproduced in its entirety and without any change, schedule included.

Postal address:

P.O.Box 73 Blindern
N-0314 OSLO, NORWAY

Office address:

Gaustadalléen 30
0173 OSLO, NORWAY

Telephone:

+47 22 96 03 30

Enterprise number:

NO 974404532



Nemko 04ATEX1026

Date: 2004-02-03



Page 2 of 2

[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 04ATEX1026

[15] Description of Equipment or Protective System

This Certificate covers an electrical vaporizer. Certified Ex d glands are to be used for cable entrance. Holes that are not used for cable entrance must be fitted with certified Ex d plugs.

Type Designation:

XP 12.5, XP25, XP50, XP80, XP120, XP160

Technical Data

120V - 575V

[16] Report No. 16538

Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
Label	0605-5090	-	11-20-03	1
XP "Power" series	0620-6018	B	11-11-03	1
Printed circuit Board	0602-7050	E	11-10-99	1
Explosion proof control box	0602-5025	J	10-21-03	1
Electric Vaporizer cast for front cover	0602-5026	J	11-20-03	1
Cover Plate	0620-2016	A	6-19-97	1
ON/OFF Explosion proof switch	0601-3001	A	5-28-03	1
ON/OFF Explosion proof switch bracket	0601-4001	F	4-27-83	1
Multi-level bills of materials			22-12-03	6

Routine Test

The routine overpressure test shall be carried out in accordance with the requirements of clause 15 in EN50018. The reference pressure is measured to 6,95 Barg which leads to an overpressure test of 10,5 Barg.

[17] Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

See item 9

This certificate may only be reproduced in its entirety and without any change, schedule included.

Postal address:
P.O.Box 73 Blindern
N-0314 OSLO, NORWAY

Office address:
Gaustadalléen 30
0373 OSLO

Telephone:
+47 22 96 03 30
Fax:
+47 22 96 05 50

Enterprise number:
NO 974404532