



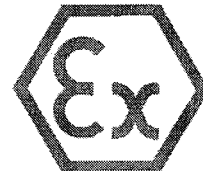
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de service public

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(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: **ISSeP08ATEX034X**

(4) Equipment: Column radiator
Type : SR8600/ * *

(5) Applicant – Manufacturer :
Sinus Jevi Electric Heating B.V.

(6) Address: Nijverheidsweg 2
1671 GC Medemblik

(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) ISSeP, notified body no 492 in accordance with article 9 of the 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 08038

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2006 (IEC 60079-0: 2004) EN 60079-1: 2007 (IEC 60079-1: 2007)
EN 60079-7: 2007 (IEC 60079-7: 2006)
EN 61241-0: 2006 (IEC 61241-0:2004) EN 61241-1:2004 (IEC 61241-1:2004)

(10) If the symbol "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 this Directive may 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 indications:

 II 2 G Ex de IIC T4 or T5
II 2 D Ex tD A21 IP66 T 125°C or T 90°C

Colfontaine, the 07.07.2008

INSTITUT SCIENTIFIQUE DE SERVICE PUBLIC
Zoning A. Schweitzer - B7340 Colfontaine (Wasmes)
Tél: ++ 32 65 610811 - Fax: ++ 32 65 610808

Lambert Marcel,
Manager.

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE No ISSeP08ATEX034X

(15)

Description of the equipment :

Column radiator - type SR 8600/ * *

This equipment consists of a radiator filled up with a mixture of water and antifreeze agent heated by means of a certified type D-8640 heating apparatus

Temperature classes

<i>Type of radiator</i>	<i>Puissance dissipated (W)</i>	<i>Temperature classes</i>
SR 8600/ 15	1500	T4
SR 8600/ 20	2000	
SR 8600/ 25	2500	
SR 8600/ 30	3000	
SR 8600/ 08	850	T5
SR 8600/ 11	1150	
SR 8600/ 14	1450	
SR 8600/ 17	1700	

Electrical parameters

10 Amps & 400V AC or 16 Amps & 230V AC

Eventual prescriptions

Ambient temperature range: -30°C up to +40°C

Routine tests

The manufacturer shall make the routine verifications and tests to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype.

(16)

Report no 08038 of 7.07.2008 composed in total of 15 pages

The e-mail from the manufacturer of 4.07.2008

The descriptive note from the manufacturer of 9.05.2008 (3 pages)

A technical note of the manufacturer (1 page)

The notice of installation instructions (3 pages)

The drawings

953D8600-00 of 7.04.2008

953.D8640-02 Rev.1 of 9.04.2008

953.D8615-08 Rev.1 of 1.07.2008

953.D8521-04 of 14.08.2006

(17)

Special conditions for safe use: Symbol X

- Any dust accumulation shall be avoided on the connection housing and the radiator
- When the apparatus is energised, the heating elements shall be completely immersed inside the mixture of water and anti-freeze
- The setting of the protective device to the temperature limit ensuring the temperature class T4 or T5 shall be made for each apparatus under the responsibility of the manufacturer. Furthermore this device shall be sealed and its setting shall not be modified later.

(18)

Essential Health and Safety Requirements: covered by the standards listed at point 9 and by the descriptive documents from the manufacturer.

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VARIATION

EC TYPE EXAMINATION CERTIFICATE N° ISSeP08ATEX034X/1

(15) Equipment: Column radiator type SR8600.

Subject of the variation

- To permit the ambient temperature range $-50\text{ °C} \leq T_a \leq +50\text{ °C}$.
- To permit the updating of the certificate according to the latest edition of the standards in force.

Marking: Unchanged, except the code «  II 2 GD / Ex de IIC T4 or T5 / Ex tD A21 IP66 T125°C or T90°C » wich becomes «  II 2 G - Ex de IIC T4 or T5 Gb /  II 2 D - Ex tb IIIC T125°C or T90°C Db».

Eventual prescriptions: Unchanged.

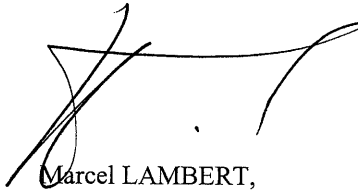
(16) Report N° 12035 completed by 12 documents.

(17) Special conditions for safe use: Unchanged.

(18) Essential Health and Safety Requirements: Unchanged.

Colfontaine, the 12.12.2012.

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Marcel LAMBERT,
Director.