



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 BKI 11.0006X	issue No.: 1	Certificate history: Issue No. 1 (2014-3-20) Issue No. 0 (2011-10-21)
Status:	Current		
Date of Issue:	2014-03-20	Page 1 of 4	
Applicant:	Magnetrol International N.V. Heikensstraat 6 B-9240 Zele Belgium		
Electrical Apparatus: Optional accessory:	Thermal dispersion mass flow transmitter type Thermatel TA2		
Type of Protection:	General, Flameproof enclosure		
Marking:	Ex d IIC T6 Gb, when Tamb = -40°C ... +70°C and Tmedium = -40°C ... +55°C Ex d IIC T5 Gb, when Tamb = -40°C ... +70°C and Tmedium = -40°C ... +70°C Ex d IIC T4 Gb, when Tamb = -40°C ... +70°C and Tmedium = -40°C ... +105°C Ex d IIC T3 Gb, when Tamb = -40°C ... +70°C and Tmedium = -40°C ... +170°C Ex d IIC T2 Gb, when Tamb = -40°C ... +70°C and Tmedium = -40°C ... +200°C		
Approved for issue on behalf of the IECEx Certification Body:	János Fejes		
Position:	managing director		
Signature: (for printed version)	 <hr/>		
Date:	 <hr/>		
<ol style="list-style-type: none"> 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:

Testing Station for Explosion Proof Equipment
H 1037 BUDAPEST
MIKOVINY S.u. 2-4
Hungary



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Manufacturer: **Magnetrol International N.V.**
Heikensstraat 6
B-9240 Zele
Belgium

Additional Manufacturing location
(s):

**Magnetrol International
Inc.**
5300 Belmont Road
Downers grove, IL 60515
USA
United States of America

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 identification documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements

Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

Edition: 6

*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:

[HU/BKI/ExTR11.0006/01](#)

Quality Assessment Report:

[CA/CSA/QAR06.0004/08](#)

[NL/DEK/QAR11.0031/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Thermatel TA2 measures mass flow by detecting heat dissipation from a heated surface. The probe contains two RTD
See details in Addendum to IECEx BKI 11.0006X

CONDITIONS OF CERTIFICATION: YES as shown below:

- The cable gland(s) respectively the blanking/closing element (if it is used) are not certified parts of the equipment. The cable entry devices shall be in type of protection flameproof "Ex d IIC", suitable for the conditions of use and correctly installed. The blanking/closing element of unused aperture shall be in type of protection flameproof "Ex d IIC", suitable for the conditions of use and correctly installed. - The temperature class of the equipment depends on the ambient temperature and process temperature according to the follows :- T6 temperature class, when $T_{amb} = -40^{\circ}\text{C} \dots +70^{\circ}\text{C}$ and $T_{medium} = -40^{\circ}\text{C} \dots +55^{\circ}\text{C}$ - T5 temperature class, when $T_{amb} = -40^{\circ}\text{C} \dots +70^{\circ}\text{C}$ and $T_{medium} = -40^{\circ}\text{C} \dots +70^{\circ}\text{C}$ - T4 temperature class, when $T_{amb} = -40^{\circ}\text{C} \dots +70^{\circ}\text{C}$ and $T_{medium} = -40^{\circ}\text{C} \dots +105^{\circ}\text{C}$ - T3 temperature class, when $T_{amb} = -40^{\circ}\text{C} \dots +70^{\circ}\text{C}$ and $T_{medium} = -40^{\circ}\text{C} \dots +170^{\circ}\text{C}$ - T2 temperature class, when $T_{amb} = -40^{\circ}\text{C} \dots +70^{\circ}\text{C}$ and $T_{medium} = -40^{\circ}\text{C} \dots +200^{\circ}\text{C}$



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

The location of the manufacturing site Magnetrol International Inc. has been changed.

The new address:

Magnetrol International Inc.

705 Enterprise Street

Aurora IL 60504

U.S.A.

See details in Addendum to IECEx BKI 11.0006X Issue 1

Annex: [Addendum to IECEx BKI 11.0006X.pdf](#), [Addendum to IECEx BKI 11.0006X Issue 1.pdf](#)



ADDENDUM TO IECEx CERTIFICATE OF CONFORMITY
IECEx BKI 11.0006 X Issue 1

Description

The location of the manufacturing site Magnetrol International Inc. has been changed.
The new address:
Magnetrol International Inc.
705 Enterprise Street
Aurora IL 60504
U.S.A.

Revised documents

Title:	Drawing No.:	Rev. Level:	Date:
Manufacturer's Declaration of conformity	54-740.1	1	20.03.2014
Drawing of nameplates		1	20.03.2014