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 KIWA 18.0011X

Issue No: 0

Certificate history:
Issue No. 0 (2018-09-12)

Status: **Current**

Date of Issue: **2018-09-12**

Applicant: **Magnetrol N.V.**
Heikenstraat 6
9240 Zele
Belgium

Equipment: **Mechanical level or flow switch models C, U, W, X and TUFFY T3X**

Optional accessory:

Type of Protection: **ia**

Marking:
Ex ia IIC T6 Ga

Approved for issue on behalf of the IECEx Certification Body: Pieter van Breugel

Position: Certification Officer

Signature:
(for printed version)

Date: 12 September 2018

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:

Kiwa Nederland B.V. (Unit Kiwa ExVision)
Wilmersdorf 50
7327 AC Apeldoorn
P.O. Box 137
The Netherlands

IECEx Certificate of Conformity

Certificate No:	IECEx KIWA 18.0011X	Issue No: 0
Date of Issue:	2018-09-12	Page 2 of 3
Manufacturer:	**Magnetrol NV** Heikenstraat 6 9240 ZELE **Belgium**	

Additional Manufacturing location(s):

Magnetrol International Inc.
705 Enterprise Street
Aurora IL 60504
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 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 60079-11 : 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:

NL/KIWA/ExTR18.0012/00

Quality Assessment Report:

CA/CSA/QAR06.0004/11 NL/DEK/QAR11.0031/04

IECEx Certificate of Conformity

Certificate No:	IECEx KIWA 18.0011X	Issue No: 0
Date of Issue:	2018-09-12	Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Switch model C, U, W, X:

The switch models C, U, W, X are used for level or flow detection and consist of an enclosing tube with one or two microswitches actuated by a mechanism using a magnet.
The enclosure cover and base can be either in aluminium A360 or A413, or in cast iron.

Switch model TUFFY T3X:

The switch model TUFFY T3X is used for level detection and consist of one or two switches inside an enclosure and actuated by a float.
The enclosure cover and base can be either in aluminium A356 or in cast iron.

All models are designed for mounting to a process medium through threaded or flanged connections.

Ambient temperature range -55 °C to +70 °C.

Electrical Data

Output circuit (terminals 1, 2, 3 or 4, 5, 6 or NC, C, NO):

in type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

U_i = 30 V; I_i = 0.5 A; P_i = any; C_i = 0 nF; L_i = 0 µH.

SPECIFIC CONDITIONS OF USE: YES as shown below:

When the product is installed in an area requiring EPL Ga and the enclosure made of aluminium, all precautions shall be taken to avoid all impacts or frictions which can result in the ignition of the potentially explosive atmosphere.