



# CERTIFICATE

## 1 EU – Type Examination Certificate

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU

3 EU – Type Examination Certificate Number: **KIWA 18ATEX0022 X Issue: 1**

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

5 Manufacturer: **Magnetrol International N.V.**

6 Address: **Heikensstraat 6 B-9240 Zele  
Belgium**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Kiwa Nederland B.V., Notified Body number 0620 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
The examination and test results are recorded in confidential ATEX Assessment Report No. 180300370.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0 : 2012 + A11 : 2013 EN 60079-11 : 2012**

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:



**II 1 G Ex ia IIC T6 Ga**

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Kiwa Nederland B.V.

Pieter van Breugel  
Certification Officer

Issue date:

12 September 2018

First issue:

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This certificate shall, as far as applicable, be revised before the date of cessation of presumption of conformity of (one of) the included standards above as communicated in the Official Journal of the European Union.

© Integral publication of this certificate in its entirety and without any change is allowed.

## 13 SCHEDULE

### 14 EU – Type Examination Certificate KIWA 18ATEX0022 X Issue No. 1

#### 15.1 Description of Product

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.

#### 15.2 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:

$U_i = 30 \text{ V}$ ;  $I_i = 0,5 \text{ A}$ ;  $P_i = \text{any}$ ;  $C_i = 0 \text{ nF}$ ;  $L_i = 0 \text{ }\mu\text{H}$ .

#### 15.3 Instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

### 16 ATEX Assessment Report Number

180300370

### 17 Specific Conditions of Use

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

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at section 9.

### 19 Drawings and Documents

As listed in ATEX Assessment Report No. 180300370

