

Declaration of conformity UE with type Nr 04d/05/18

- [1] Device (fittings): **Flap cut-off valve with manual open setpoint**
designed for gases from the family 1,2 i 3 acc. PN-EN 437+A1:2012
- Series of types **MAG-3** type **ZBK-50k and ZBK-100k**
MAG-3 BIO type **ZBK-50k BIO and ZBK-100k BIO**
 - introduced into market by manufacturer [2] on 16/05/ 2018
(device [1] day of sale by manufacturer [2] - given in the Warranty Card and on the Invoice)
 - with the serial number

from: 1529/18	to: 1529/18 and higher
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- [2] Manufacturer: **FLAMA-GAZ**
Elektrozawory R.Z. Wawrzyczek, A. Kozieł s.c.
Szkolna 3st., 43-418 Pogwizdów
- [3] This declaration of conformity is issued under the sole responsibility of the manufacturer [2]
- [4] Manufacturer [2] declares with full responsibility that the device described in point [1]:
- a) complies with the essential requirements contained in Regulation (EU) **2016/426 (GAR)** of the European Parliament and of the Council of 9th March 2016 on appliances burning gaseous fuels and repeals of 2009/1452/WE (GAD) Directive (Official Journal of the EU L 81/10 from 31/03/2016)
 - b) complies with the essential requirements of:
 - **Directive 2014/35/EU (LVD)** of the European Parliament and of the Council of 26th February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (Official Journal of the EU L96 from 26/02/2014), implemented into Polish law by the Act from 13/04/2016 on conformity assessment and market surveillance systems (Journal of Laws of 2016, item 542)
 - **Directive 2014/30/EU (EMC)** of the European Parliament and of the Council of 26th February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (Official Journal of the EU L96 from 26/02/2014), implemented into Polish law by the Act from 13/04/2016 on conformity assessment and market surveillance systems (Journal of Laws of 2016, item 542)
 - c) meets the requirements of the following documents (standards) related to:
 - Regulation **2016/426** PN-EN 161+A3:2013, PN-EN 13611+A2:2011, PN-EN 549:2000
PN-EN 437+A1:2012
 - Directive **2014/35/UE** PN-EN 60730-1:2002, PN-EN 60529:2003, PN-EN 60335-1:2012
 - Directive **2014/30/UE** PN-EN 61000-3-2:2007, PN-EN 61000-3-3:2011
PN-EN 61000-4-2:2011, PN-EN 61000-4-3:2007, PN-EN 61000-4-4:2010
PN-EN 61000-4-5:2010, PN-EN 61000-4-6:2009, PN-EN 61000-4-8:2010
PN-EN 61000-4-11:2007, PN-EN 60730-1:2002
 - d) conforms to type described in the certificates presented in point. [5]
- [5] Notified body no 1015 - SZU Brno, Hudcowa st. 424/56b, 621 00 Brno, CZ - performed UE type examination (GAR - Module B) of device [1] and issued following certificates:
- UE type examination Certificate Nr E-30-00515-18 (GAR) - issue date: 16-05-2018
 - Certificate Nr E-30-00519-18 (EMC) - issue date: 16-05-2018
- [6] Conformity with the type has been preserved based on ensuring the quality of the production (GAR – Moduł D)
- [7] Assembly of the device [1] to the installation (terminal equipment) must be performed in accordance with the **Service Manuals of flap cut-off valve MAG-3** or **MAG-3 BIO**, in which all the required implementation conditions and methods for such an application are specified together with detailed instructions.

FLAMA GAZ s.c.
współwłaściciel

Zygmunt Wawrzyczek

Declaration of conformity UE No 07f/05/18

[1] Device: **Flap cut-off valve MAG-3 with manual open setpoint**

- series of types)

	MAG-3	<i>type ZBK-50k, ZBK-100k</i>
	MAG-3 BIO	<i>type ZBK-50k BIO, ZBK-100k BIO</i>
Explosion protection type.....	Constructional safety „c”	
Designation acc. to ATEX Directive.....	⊕ II 2G c IIB T4	
Gas pressure and type.....	Gases acc. PN-EN 437 (methane, propane-butane); P_{MAX} = 5bar	
Rated voltage.....	DC 12V (impulse)	
Solenoid trigger type.....	COD-3/A	
Explosion-proof construction type.....	reinforcement „eb”	WEx reinforcement „eb”
Designation acc. to ATEX Directive.....	⊕ II 2G Ex eb IIC T4 Gb	⊕ II 2G Ex eb IIC T5 Gb
- introduced into market by manufacturer [2] on 16/05/ 2018
(device [1] day of sale by manufacturer [2] - given in the Warranty Card and on the Invoice)
- with the serial number

from: 893/18	to: 893/18 and higher
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[2] Manufacturer: **FLAMA-GAZ Elektrozawory R.Z. Wawrzyczek, A. Kozieł s.c.**
Szkolna 3st., 43-418 Pogwizdów

[3] This declaration of conformity is issued under the sole responsibility of the manufacturer [2]

[4] Manufacturer [2] declares with full responsibility that the device described in point [1]:

- a) complies with the essential requirements of:
 - Directive **2014/34/EU (ATEX)** of the European Parliament and of the Council of 26th February 2014 on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres, implemented by the Regulation of the Minister of Development on the requirements for equipment and protective systems intended for use in potentially explosive atmospheres from June 6, 2016 (Journal of Laws of 2016, item 817)
 - **Regulation of the European Parliament and the Council (UE) 2016/426 (GAR), Directive 2014/35/UE (LVD) and Directive 2014/30/UE (EMC)** – see **Declaration of conformity UE with type No 04d/05/18**
- b) meets the requirements of harmonized standards: PN-EN 13463-1:2010; PN-EN 13463-5:2012 (ATEX)
- c) is consistent with the type described in the Technical Documentation DT / FG / 01/17, which has been accepted and is kept by the Product Certification Team of KD "Barbara"; Main Mining Institute, 43-190 Mikołów, Podleska 72 st. Documentation has been given to it by this Entity on 06-06-2017 number: **KDB ATEX 05.030/2**
- d) it may be used in zones 1 or 2 of the areas endangered by the explosion of gases, vapors or combustible fogs classified as explosion class II, temperature classes T1, T2, T3 or T4, provided that specific conditions of use are provided [7]

[5] Conformity with the type has been preserved based on internal production control (ATEX – Module A)

[6] Assembly of the device [1] to the installation (terminal equipment) must be performed in accordance with the **Service Manuals of flap cut-off valve MAG-3 or MAG-3 BIO**, in which all the required implementation conditions and methods for such an application are specified together with detailed instructions.

[7] DEVICE SPECIFIC CONDITIONS OF USE

- use only for medium: natural gas, propane-butane
- **valves MAG-3 with solenoid trigger COD-3/A:**
 - a) ambient temperature range: $-30^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$
 - b) coil COD-3 can be powered exclusively by control module type MD...Z... manufactured by GAZEX Registered Partnership
- **valves MAG-3 with solenoid trigger WEx:**
 - a) ambient temperature range: $-30^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

Duration of single triggering impulse or sum of impulses series	$t_{pul} \leq 3s$	Time interval between impulses or series of impulses	$t_{pul} \geq 60s$
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 - b) ambient temperature range: $-30^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

Duration of single triggering impulse or sum of impulses series	$t_{pul} \leq 1s$	Time interval between impulses or series of impulses	$t_{pul} \geq 30s$
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 - c) trigger WEx has to be powered from alarm module type MD...Z... manufactured by GAZEX Registered Partnership

FLAMA GAZ s.c.
 wspólnicy
 Zygmunt Wawrzyczek