



EC-Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate Number:

FTZÚ 05 ATEX 0097

(4) Equipment or protective system: **Ex thread adapter type „R“ and Ex blanking elements type „Z“**

(5) Manufacturer: **GENERI s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical Technical Testing Institute, notified body number 1026 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 N°

05/0097 dated 31 August 2005

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 60079-0:2004; EN 60079-1:2004; EN 60079-7:2003; EN 50281-1-1:1998

(10) If the sign „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 testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive 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 following:



II 2GD EEx d IIC/ EEx e II only for type M12 R...



IM2 / II 2GD EEx d I/ IIC /EEx e I/II

This EC-Type Examination Certificate is valid till:

31 of August 2010

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 31 of August 2005

Number of pages: 2
Page: 1/2

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This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute
Ostrava-Radvanice

(13)

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(14) **EC-Type Examination Certificate N° FTZÚ 05 ATEX 0097**

(15) Description of Equipment or Protective System:

Ex thread adapters and blanking elements are made of brass or surface nickel-plated steel or stainless steel. Ex thread adapters and blanking elements with non-tapered thread are supplied with sealing „O” rings. The degree of protection IP 65. Ambient temperature -55°C to + 105°C.

Ex thread adapters type „R” are produced in two constructional variants and with various combination of connection threads. The thread combinations are designed to ensure sufficient mechanical endurance of adapter and simultaneously the requirements of given type of explosion protection were satisfied.

Ex blanking elements type „Z” are produced in various sizes and thread types with hexagonal head or cylindrical head modified for spanner. Also Ex blanking elements design is submit to explosion-proof requirements and sufficient mechanical strength.

(16) Report No. : FTZÚ No. 05/0097 dated 31.08. 2005

(17) Special conditions for safe use: --

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in clause (9) of this certificate.

(19) LIST OF DOCUMENTATION

- | | | |
|--|-------------|------------------|
| ➤ Technical description No. | 995051/2 | dated 25.08.2005 |
| ➤ User's manual No. | N 740061 | dated 30.08.2005 |
| ➤ Table of adapter and blanking elements | | dated 30.08.2005 |
| ➤ Drawing No. | G-4-610 147 | dated 31.08.2005 |

Responsible person:


Dipl. Ing. Šindler Jaroslav

Head of certification body



Date of issue: 31 of August 2005

Number of pages: 2

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**Supplement No. 1 to
EC-Type Examination Certificate**

(1)

(2)

Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate Number:

FTZÚ 05 ATEX 0097

(4) Equipment or protective system: **Ex thread adapter type „R“ and Ex blanking elements type „Z“**

(5) Manufacturer: **GENERI s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

(7) This supplement of certificate is valid for:

- modification of certified apparatus
- new model (variant) – extension of series
- prolongation of certificate validity




(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, a list of which is mentioned in the schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains other requirement which the manufacturer shall fulfil before products are placed on the market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

**EN 60079-0:2009; EN 60079-1:2007; EN 60079-7:2007;
EN 60079-31:2009;**

(11) Marking of equipment shall contain symbols:

 **I M2 Ex d I Mb / Ex e I Mb** next to type M 12 R ...
 **II 2G Ex d IIC Gb / Ex e IIC Gb**
 **II 2D Ex t IIIC Db IP 67**

(12) This type examination certificate is valid till: **31.01.2016**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 18.01.2011

Number of pages: 2
Page: 1/2

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**Physical Technical Testing Institute
Ostrava-Radvanice**

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**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 05 ATEX 0097**

(15) Description of Equipment or Protective System:

- a) Ex thread adapter type „R“ and Ex blanking elements type „Z“ is recertified according standards EN 60079-0:2010, EN 60079-1:2008, EN 60079-7:2007 and EN 60079-31:2010
- b) The change of new type flat gasket application.
- c) The change of Degree of protection IP 67
- d) The change of Ambient temperature:

I M2 Ex d I Mb / Ex e I Mb	0°C to +85°C
II 2G Ex d IIC Gb / Ex e IIC Gb	-60°C to +85°C
II 2D Ex t IIC Db IP 67	-60°C to +85°C

(16) Report No. : 05/0097-1

dated 11.01.2011

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this supplement.

(19) LIST OF DOCUMENTATION

- Technical description No. 995051/2 rev. 4 dated 20.05.2010
- User's manual No. N 740061 rev.3 dated 01.09.2010
- Table of adapter and blanking elements dated 30.08.2005
- Drawing No. G-4-610 147 dated 31.08.2005

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 18.01.2011

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**Supplement No. 2 to
EC-Type Examination Certificate**

Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)

(3) EC-Type Examination Certificate Number:

FTZÚ 05 ATEX 0097

(4) Equipment or protective system: **Ex thread adapter type „R“ and Ex blanking elements type „Z“**

(5) Manufacturer: **GENERI, s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

(7) This supplement of certificate is valid for: - prolongation of certificate validity

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, a list of which is mentioned in the schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains other requirements, which the manufacturer shall fulfil before products are placed on the market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

EN 60079-0:2009; EN 60079-1:2007; EN 60079-7:2007; EN 60079-31:2009

(11) Marking of equipment shall contain symbols:


 **I M2 Ex d I Mb / Ex e I Mb** without type M 12 R ...

 **II 2G Ex d IIC Gb / Ex e IIC Gb**

 **II 2D Ex t IIC Db IP 67**

(12) This type examination certificate is valid till: **30.09.2016**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 17.03.2016

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Physical Technical Testing Institute
Ostrava – Radvanice

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Schedule

(14)

Supplement No. 2 to
EC-Type Examination Certificate N° FTZÚ 05 ATEX 0097

(15) Description of Equipment or Protective System:

Subject of this supplement is prolongation of validity certificate for a period 6 months, i.e. period for finish of tests according to newest standards.

(16) Report No.: 05/0097-2

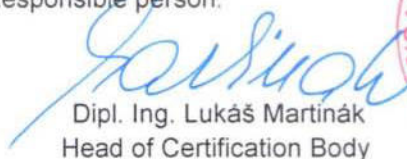
dated 16.03.2016

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in clause (10) of this supplement.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 17.03.2016

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(1) **Supplementary EU - Type Examination Certificate No.3**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 05 ATEX 0097

(4) Product: **Ex thread adapter type „R“ and Ex blanking elements type „Z“**

(5) Manufacturer: **GENERI, s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 05 ATEX 0097 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.


(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2007; EN 60079-31:2014;

(11) The marking of the product shall include the following:

 **I M2 Ex db I Mb or II 2G Ex db IIC Gb**

 **I M2 Ex e IIC Gb or II 2G Ex e IIC Gb**

 **II 2D Ex tb IIC Db**

(12) This certificate is valid till: **31.10.2022**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 26.10.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

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(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 05 ATEX 0097**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014.
- Prolongation of certificate validity.
- Change in the use of a new type of flat gasket.
- Changing the degree of protection:

Specification of equipment:

1) Blanking elements type „. Z .. e“:

- a) type of Ex-protection and marking: M2 Ex e I Mb; II 2G Ex e IIC Gb; II 2D Ex tb IIIC Db
- b) variants of used thread: M (Metric thread ISO 68)
P (P - thread ČSN 01 4035)
G... (G - thread ČSN EN ISO 228-1)
R... (R - thread ČSN ISO 7-1)
NPT (NPT - thread ANSI/ASME B1.20.1)
- c) list of variant – see document No. G-4-900017/2

2) Blanking elements type „. Z .. d“:

- a) type of Ex-protection and marking: I M2 Ex db I Mb; II 2G Ex db IIC Gb; II 2D Ex tb IIIC Db
- b) variants of used thread: M (Metric thread ISO 68)
NPT (NPT - thread ANSI/ASME B1.20.1)
- c) list of variant – see document No. G-4-900017/1

3) Thread adapters type „. R .. e“:

- a) type of Ex-protection and marking: I M2 Ex e I Mb ; II 2G Ex e IIC Gb; II 2D Ex tb IIIC Db
- b) variants of used thread: M (Metric thread ISO 68)
P (P - thread ČSN 01 4035)
G... (G - thread ČSN EN ISO 228-1)
R... (R - thread ČSN ISO 7-1)
NPT (NPT - thread ANSI/ASME B1.20.1)
- c) list of variant – see document No. G-4-900017/2

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

Date of issue: 26.10.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

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Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 05 ATEX 0097**

4) Thread adapters type „ R .. d“:

- a) type of Ex-protection and marking: Ex I M2 Ex db I Mb; II 2G Ex db IIC Gb; II 2D Ex tb IIIC Db
b) variants of used thread: M (Metric thread ISO 68)
NPT (NPT - thread ANSI/ASME B1.20.1)
c) list of variant – see document No. G-4-900017/1

Technical specification:

Degrees of protection for thread adapters or blanking elements:

IP 67

IP 64 for NPT

IP 65 for NPT ... only by using sealing tape

Operating temperature range of o-ring:	PTFE NUE 125	-200°C to +250°C
	SICHEM S50	-200°C to +260°C
	Silicon	-60°C to +200°C

(16) Report Number.: 05/0097/3

(17) Specific Conditions of Use: none

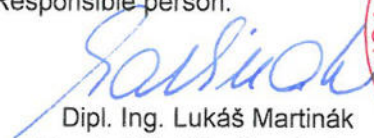
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Pages	Revision	Date	Description
N740061	2	4	30.08.2016	Technical description
G-3-902706/1	1	-	30.08.2016	Drawing
G-3-902706/2	1	-	30.08.2016	Drawing
G-4-900017/1	1	-	30.08.2016	Variant list
G-4-900017/2	1	-	30.08.2016	Variant list

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 26.10.2017

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(1) **Supplementary EU - Type Examination Certificate No.4**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 05 ATEX 0097

(4) Product: **Ex thread adapter type „R“ and Ex blanking elements type „Z“**

(5) Manufacturer: **GENERI, s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 05 ATEX 0097 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015+A1:2018, EN 60079-31:2014

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

(11) The marking of the product shall include the following:

I M2 Ex db I Mb or II 2G Ex db IIC Gb
 I M2 Ex eb IIC Gb or II 2G Ex eb IIC Gb
 II 2D Ex tb IIC Db

(12) This certificate is valid till: **31.12.2027**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.12.2022

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

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(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 05 ATEX 0097**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards: EN IEC 60079-0:2018, EN 60079-7:2015+A1:2018.
- Prolongation of certificate validity.

Technical parameters and construction of product remain unchanged.

(16) Report Number: 05/0097/4

(17) Specific Conditions of Use:

None.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Revision	Pages	Date	Description
N740061	5	2	20.09.2022	Technical description
G-3-902706/1	--	1	20.09.2022	Drawing
G-3-902706/2	--	1	20.09.2022	Drawing
G-4-900017/1	--	1	20.09.2022	Variant list
G-4-900017/2	--	1	20.09.2022	Variant list

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.12.2022

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