



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 EXA 15.0009U

Issue No: 1

Certificate history:

Status: **Current**

Issue No. 1 (2017-07-10)

Issue No. 0 (2015-09-03)

Date of Issue: **2017-07-10**

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Applicant: **Palazzoli S.p.A.**
Via F. Palazzoli 31
25128 Brescia (BS)
Italy

Equipment: **Empty enclosures series TAIS-EX and series ALUPRES-EX**

Optional accessory:

Type of Protection: **Increased safety "e" and protection by enclosure "t"**

Marking:

Ex eb IIC Gb

Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Damir Korunić

Position:

Director General

Signature:
(for printed version)

Date:

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](http://www.iecex.com).

Certificate issued by:

**Agencija za prostore ugrožene eksplozivnom atmosferom (Ex-
Agencija)**
Industrijska 25
HR-10431 Sveta Nedelja
Croatia





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Manufacturer: **Palazzoli S.p.A.**
Via F. Palazzoli 31
25128 Brescia (BS)
Italy

Additional Manufacturing location(s):

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

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements

Edition:6.0

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

Edition:2

IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

Edition:5.0

*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:

[HR/EXA/ExTR15.0018/01](#)

Quality Assessment Report:

[IT/IMQ/QAR14.0001/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Empty enclosures outlets realized in Al-alloy (ALUPRES-EX series) or in antistatic thermosetting (TAIS-EX series) material in type of protection increased safety 'e' and protection by enclosure 't'. Cover is fixed on enclosure body by four screws and IP protection is assured by silicone (in TAIS-EX series) or elastomer (in ALUPRES-EX series) gasket.

TAIS-EX series are provided in blind version, without holes for cable glands. ALUPRES-EX series are provided in blind version and with windowed version with flanges.

Schedule of Limitations

Service temperature range is defined in Annex of this certificate.

Manufacturer's instruction for use Code C010154, Rev 02, dated Apr 2017.

SPECIFIC CONDITIONS OF USE: NO



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

Extension of lower service temperature to -40°C .

Update of CoC with IEC 60079-7, Ed5.

Annex:

[IECEx_EXA15.0009U_01_Empty_enclosures_TAIS_ALUPRES_Palazzoli ANNEX_final.pdf](#)

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Product description:

Empty enclosures outlets realized in Al-alloy (ALUPRES-EX series) or in antistatic thermosetting (TAIS-EX series) material in type of protection increased safety 'e' and protection by enclosure 't'. Cover is fixed on enclosure body by four screws and IP protection is assured by silicone (in TAIS-EX series) or elastomer (in ALUPRES-EX series) gasket.

TAIS-EX series are provided in blind version, without holes for cable glands. ALUPRES-EX series are provided in blind version and with windowed version with flanges.

Technical data:

	TAIS-EX	ALUPRES-EX
Ambient temperature	-20 °C / -40 °C to +75 °C	-20 °C / -40 °C to +65 °C
Service temperature	-20 °C / -40 °C to +80 °C	-20 °C / -40 °C to +70 °C
Degree of mechanical protection (IP)	IP 66, category 1 according to IEC 60529	
Surface resistance	< 10 ⁹ Ω	-

Dimension of enclosures and service temperature range with appropriate code are given in below tables:

TAIS-EX SERIES	Enclosure code	Enclosure dimension [mm]	Service temperature [°C]
Enclosure with blind cover	532200EX	125×185×125	-40 to +80
	532201EX	190×185×125	
	532202EX	250×185×125	
	532203EX	290×185×125	
	532204EX	380×185×125	
Blind walls enclosure with low cover	532035EX	92×92×68	-20 to +80
	532045EX	92×125×68	
	532055EX	92×185×68	
	532116EX	125×125×100	
	532117EX	125×185×100	
	532118EX	125×250×100	
Blind walls enclosure with high cover	532005EX	92×92×100	-40 to +80
	532006EX	92×125×100	
	532015EX	92×185×100	
	532016EX	125×125×125	
	532017EX	125×185×125	
	532018EX	125×250×125	

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ALUPRES-EX	Enclosure code	Enclosure dimension [mm]	Service temperature [°C]
Enclosure with blind walls	511910EX	92×92×77	-20 to +70
	511913EX	125×125×113	
	150021EX	155×155×73	
	511920EX	185×185×145	
	511921EX	252×185×145	
Windowed walls enclosures with flanges	511911EX	125×92×77	-40 to +70
	511912EX	185×92×77	
	511917EX	252×125×113	
	511922EX	220×220×108	
	511923EX	252×252×197	