



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

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Issue 0 (2016-12-05)

Status: **Current** Issue No: 1

Date of Issue: 2024-09-25

Applicant: **AGRO AG**  
Korbackerweg 7  
5502 Hunzenschwil  
**Switzerland**

Equipment: **Pressure balance element Type EX245\***

Optional accessory:

Type of Protection: **eb, tb**

Marking: Ex eb IIC Gb  
Ex tb IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Munira Gamma**

Position:

**Manager Product Certification**

Signature:  
(for printed version)

Date:  
(for printed version)

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

**Eurofins Electric & Electronic Product Testing AG**  
Luppenstrasse 3  
8320 FEHRALTORF .  
**Switzerland**



E&E



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Manufacturer: **AGRO AG**  
Korbackerweg 7  
5502 Hunzenschwil  
**Switzerland**

Manufacturing  
locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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:

[CH/SEV/ExTR16.0010/01](#)

Quality Assessment Report:

[CH/SEV/QAR12.0001/10](#)



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

**General product information:**

AGRO pressure balance elements made of nickel-plated brass, stainless steel A2 or A4 with entry thread metric, Pg and NPT, prevent differences in pressure or temperature as well as water condensation in housing with ignition protection increased safety „e“ and protection by enclosure „t“.

**SPECIFIC CONDITIONS OF USE: NO**



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## Equipment (continued):

Type reference pressure balance elements:

EX245a.bb.cc.dd

a: Code Thread length  
0 short connecting thread  
1 long connecting thread

bb: Code thread size  
12 = M12x1.5  
17 = M16x1.5  
20 = M20x1.5  
07 = Pg7  
09 = Pg9  
11 = Pg11  
13 = Pg13.5  
1/4NPT = NPT 1/4"  
3/8NPT = NPT 3/8"  
1/2NPT = NPT 1/2"

cc: Code housing & sealing material  
without = Brass nickel plated / FKM  
96 = Steel A2 (1.4305) / FKM  
98 = Steel A4 (1.4435) / FKM

dd: Code separation element  
34 = Membrane with micropores

Classification of installation and use: Fixed  
Ingress protection: IP66 / IP68 / IP69K  
Rated ambient temperature range (°C): -60 °C ... +100 °C



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

The membrane of the EX pressure balance element has been replaced. In addition, adaptations to the new edition of the standards were taken into account.