



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 SEV 16.0010 Issue No: 0 Certificate history:
Issue No. 0 (2016-12-05)

Status: Current Page 1 of 4

Date of Issue: 2016-12-05

Applicant: AGRO AG
Korbackerweg 7
5502 Hunzenschwil
Switzerland

Equipment: Pressure balance element Type EX2450
Optional accessory:

Type of Protection: Increased safety "eb" and protection by enclosure "tb"

Marking: Ex eb IIC GbEx tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:
(for printed version)

Date:

2016-12-05

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:

Electrosuisse div. Testing and Certification
Luppenstrasse 1
CH-8320 FEHRALTORF
Switzerland





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Certificate No: IECEx SEV 16.0010

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Page 2 of 4

Manufacturer: AGRO AG
Korbackerweg 7
5502 Hunzenschwil
Switzerland

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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

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:

CH/SEV/ExTR16.0010/00

Quality Assessment Report:

CH/SEV/QAR12.0001/04



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Certificate No: IECEx SEV 16.0010

Issue No: 0

Date of Issue: 2016-12-05

Page 3 of 4

Schedule

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“.

CONDITIONS OF CERTIFICATION: NO





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Certificate No: IECEx SEV 16.0010

Issue No: 0

Date of Issue: 2016-12-05

Page 4 of 4

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 / NBR

96 = Steel A2 (1.4305) / FKM

98 = Steel A4 (1.4435) / FKM

dd: Code separation element

34 = Membrane with micropores

