



(1) **EU-Type Examination Certificate**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**

(3) Certificate number: **SEV 16 ATEX 0143**

(4) Product: Pressure balance element
Type EX2450

(5) Manufacturer: Agro AG

(6) Address: Korbackerweg 7, 5502 Hunzenschwil, SWITZERLAND

(7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Electrosuisse SEV, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, certifies that this product 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.

The examination and test results are recorded in confidential report no 16-Ex-0055.01

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:12 + A11:13 EN 60079-31:14 EN 60079-7:15

Except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate.

(11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



II 2 GD Ex eb IIC Gb tb IIIC Db

**Electrosuisse
Notified Body ATEX**

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate

(15) **Description of product**

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“.

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

Classification of installation and use: stationary
Ingress protection: IP66 / IP68 / IP69K
Rated ambient temperature range: -60 °C to +100 °C

(16) **Report number** 16-Ex-0055.01

(17) **Specific conditions of use**
None

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"