



(1) **Conformity Statement**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 19 ATEX 0202 X**
- (4) Product: Flow Measurement, Outflow control, Maintenance Opening  
Type See page 2
- (5) Manufacturer: **Stebatec AG**
- (6) Address: **Mattenstrasse 6a, 2555 Brügg, Switzerland**
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins certifies that this product 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 Directive 2014/34/EU of the European parliament and of the Council, dated 26 February 2014.  
The examination and test results are recorded in confidential report no. 18-Ex-0213.X01
- (9) 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 60079-11:2012**  
**EN 60079-18:2015**  
**EN 60079-31:2014**  
**EN 60079-7:2015**  
**EN ISO 80079-36:2016**  
**EN ISO 80079-37:2016**

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. The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This Conformity Statement relates only to the design and construction of the specified product and not to specific items of product subsequently manufactured.
- (12) The marking of the product shall include the following:



**Eurofins Electric & Electronic Product Testing AG**  
**Notified Body ATEX**

Martin Plüss  
Product Certification



(13)

## Appendix

(14)

**Conformity Statement no. SEV 19 ATEX 0202 X**

(15) **Description of product**


The certified devices are different mechanical units with certified attached electrical equipment. Although the designs look very different, they are very similar in terms of explosion protection.. There are always the same components installed similar. The only difference is the control valve RVA.

Ratings:	No particular
Classification of installation and use:	stationary
Ingress protection:	partially IP64
Rated ambient temperature range (°C):	-20 °C < Tamb < +30 °C


Respectively for the RVA  
0 °C < Tamb < +40 °C


Respectively at using the ultrasound  
Transducer of GWF Technologies :  
0 °C < Tamb < +30 °C


Code according to standard (e.g. Ex II T ).....:

LDM-ExZ1  
 II 2 G Ex h ia IIC T6 Gb

LDM-ExZ2-iR  
 II 3/- G Ex h ia IIC T6 Gc

STA-VF :  
 II 2G Ex h ia IIC T6 Gb  
II 2D Ex tb IIIC T85 °C Db

Für RVA :  
 II 3G Ex eb h ia mb IIC T6 Gc  
II 2D Ex tb IIIC T85 °C Db

For Types			
STA-TF-DS,	STA-TF-RA ,		
MID-PNA-H,	MID-PNA-B		
POR-VF,	QV-Wö		
TF-PNA,	TF-PNA-SCH,	TF-PNA-gB,	TF-PNA-gB-SCH:
 II 2G Ex db h ia mb IIC T6 Gb			

**Type key:**

LDM-Ex22-iR, LDM-ExZ1  
 MID-PNA-H, MID-PNA-B,  
 POR-VF  
 QV-Wö, RVA,  
 STA-VF, STA-TF-DS, STA-TF-RA,  
 TF-PNA, TF-PNA-SCH, TF-PNA-gB, TF-PNA-gB-SCH

B	Short description to product description
DS	bellows
ExZ2	Version with the pressure probe VEGABAR 82
ExZ1	ATEX version Zone 2
gB	ATEX version Zone 1
H	closed construction
iR	lifting bags
LDM	in the pipe
MID	Runtime difference flow measurement
PNA	Magnetic inductive flow measurement
POR	pneumatic outflow control
QV	Portable flow measurement
RVA	pinch
RA	Control valve discontinued
SCH	Version with radar FMR20
STA	scissors
TF	Stationary
VF	part Filled
Wö	Filled
B	Maintenance opening

e.g.

STA-TF-RA = Stationary - part Filled - Version with radar FMR20

Used certified components				
Reg Lib	Description	Ident. no.	Certificate	Supplier
01	Radar level sensor	FMR 20	SEV 16 ATEX 0122 X	Endress + Hauser GmbH + Co. AG Hauptstrasse 1 79690 Maulbrug GERMANY
01	Promag 500	Promag 500 Remote version System with sensor intrinsic safety inclusive barrier.  'Promag W 500, 5P5B4H, -BB DN400 12" 230VAC  'Promag P 500, 5P5B1F, -BB DN150 6" 24VDC/230VAC	Sira 16 ATEX 2219X	Endress & Hauser Flowtec AG, Kägenstrasse 7, 4153 Reinach Schweiz
02	Pressure transducer type VEGABAR	VEGABAR 82 Typ B82.ACC3SFGDEZX KCKXX mit der eID: CH2243427	TÜV 13 ATEX 131115X	VEGA Grieshaber AG Am Hohenstein 113 77761 Schiltach Deutschland
11	Zener barrier	Z787	BAS 01 ATEX 7005	Pepperl+Fuchs GmbH 68307 Mannheim Germany
03	Terminal type A* Series	PROtop PROtop1 120 W 24V 5A EX	TÜV 16 ATEX 7909 U	Weidmüller Interface GmbH & Co. KG Klingenbergstrasse 16 32758 Detmold Germany

Used certified components				
Reg Lib	Description	Ident. no.	Certificate	Supplier
04	Empty enclosure	Typ KEL 9203	PTB 03 ATEX 1011U IECEX PTB 10.0011U  [Ex] II 2 G Ex eb IIC [Ex] II 2 D Ex tb IIIC  -30 °C < Tamb < +80 °C  Specific conditions of use : None	Rittal GmbH&Co. KG Auf dem Stützelberg 35745 Herborn Deutschland
10	Level detection	LBFH-LBFI	TUV 16 ATEX 188894X	Baumer A/S 8210 Aarhus V Denmark
11	Zener barrier	Z787	BAS 01 ATEX 7005  See aforementioned	Pepperl+Fuchs GmbH 68307 Mannheim Germany
05	Magnet coil	VACC-S13-18-K4-3U- Ex4 ME	BVS 15 ATEX E029X IECEX BVS 15.0075X	FESTO Ruiter Strasse 82 73734 Esslingen Germany
05	Proportional pressure valve	VPPM-6L-L-1-G18- 0L6H-A4P-CS-EX2...	Declaration of conformity  (only for zone 2)	FESTO Ruiter Strasse 82 73734 Esslingen Germany
05	Valve	VOFC-LT-M32CM- FG14-F19-18 1UK4- EX4ME	After manufacturer's declaration, this valve is not covered by the directive.  -25 °C °C < Tamb < +60 °C  - Surface of the enclosure not conductive, avoid electrostatic - Proper air.	FESTO Ruiter Strasse 82 73734 Esslingen Germany
05	Bulkhead fitting	QSS-...-EX23-SA / ...SCM-...-EX2-...	Declaration of conformity  (only for zone 2)	FESTO Ruiter Strasse 82 73734 Esslingen Germany



Used certified components				
Reg Lib	Description	Ident. no.	Certificate	Supplier
06	Cable gland	Dok: AGRO Progress GFK Ex 1540.20.080  M20, Kabeldurchmesser 6- 8 mm	SEV 15 ATEX 0152 X	Agro AG 5502 Hunzenschwil Schweiz
06	Cable gland	Dok: AGRO Progress GFK Ex 1540.20.110 (EAN 7611614137537) M20, Kabel 8 - 11 mm	SEV 15 ATEX 0152 X	Agro AG 5502 Hunzenschwil Schweiz
06	Blind plug	AGRO 8841.20 (EAN 7611614059204)  M20	DMT 03 ATEX E049 IECEX BVS 07.0021	Agro (distributor) Hummel AG Lise-Meitner- Strasse 2, 79211 Denzlingen Germany
08	Measurement box  See register GWF	Type: 16 25 26 12  H = 121 B = 255 L = 250	PTB 00 ATEX 1002	Rose Systemtechnik GmbH 32457 Porta Westfalica Germany
08	Ultrasound Transducer	TD-1000/14WI ATEX	SEV 19 ATEX 0336X	GWF Technologies GmbH Gewerbestrasse 46f 87600 Kaufbeuren, Germany

(16) **Report number** 18-Ex-0213.X01

(17) **Specific conditions of use**

**General:**

- Do not rub the surfaces or only clean the surfaces with a damp cloth
- The metallic parts must be earthed.
- Non-conductive liquids (<50 pS / m) are prohibited. Note: Seawater and river water are conductive enough.
- Conductive material must be connected to earth before and after the discharge regulations.
- The pressure air must be free of explosive atmosphere and free of dust.
- The flap must be protected by the installation method so that no injuries can occur. Only trained staff may carry out maintenance at the facilities (danger of injury)

**PROMAG**

- All equipment of the measurement system shall be included in the equipotential bonding. Along the intrinsically safe circuits potential equalization must exist

**VEGABAR**

- On the plastics of the pressure transmitter VEGABAR B8 \* (\*). AC etc., there is a risk of ignition due to electrostatic discharges.
- For the version with separate housing of the pressure transmitter VEGABAR B8 \* (\*). AC etc., there must be equipotential bonding throughout the entire area of the connection cable between the electronics housing and the sensor housing

**RVA: Magnet coil VACC-S13-18-K4-3U-Ex4 ME**

- Each solenoid coil without internal fuse must be preceded by an external fuse for short-circuit protection. Up to a rated voltage of 250 V, the breaking capacity of the fuse must be at least 1500 A.

**Cable glands:**

- Only permanently installed cable may be inserted into an enclosure. The user must provide a suitable strain relief.
- The types with low impact energy are to be installed in the housing so that they are mechanically protected against impact energy according to EN 60079-0 section 26.4.2.

**Ultrasound Transducer:**

- Installation has to be protected due to a low level of impact resistance.

(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**

Number	Sheet	Issue date	Description
See Test Report "Manufacturer's Documents"			

