

(1) Certificate of Conformity

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



- (3) **Certificate Number:** TÜV CY 18 ATEX 0205964
- (4) for the equipment / serial number: Vibrating Screen Machine, Type ADA 418 180.418
- (5) of the manufacturer: **Anagnostou Co.**
- (6) Address: Thessaloniki, 11th km O.N.R. Thessaloniki-Kilkis Greece

Order number: 0205964

Date of issue: 2018-05-29

- (7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.
- (8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive 2014/34/EU of February 26, 2014, certifies that this equipment or protective system 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 the Directive. The examination and test results are recorded in the confidential report No. 18 0205964.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN ISO 80079-36:2016 **EN ISO 80079-37:2016**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This certificate of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment or protective system must include the following:



II 2/3D Ex h IIIB T135°C Db/Dc

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,

D. Demosthenous

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(13) **SCHEDULE**

(14) **Certificate of Conformity No. TÜV CY 18 ATEX 0205964**

(15) Description of equipment

The vibration screen machine system consists of multiple superimposed screen decks at different angles. The screen surfaces of the individual screen decks are placed in vibration in a compact welded steel housing by means of motor vibrators or excitors. The vibrating housing is mounted on four spring hangers. The material to be sized is fed from above through a feed connection and it is discharged separately through four different mesh widths.

The machine is designed for feed granulated sewage sludge.

Identification code:

ADA	4	18	
			Serial type designation
			Number of screen decks, including zero deck
			Construction year

Technical data:

Feed material:

Material type: Granulated sewage sludge
 Capacity: 11.5 t/h (max. 21 t/h)
 Width size range: 0-20mm
 Moisture H₂O: 10%
 Bulk density: 0.7 t/m³
 Max. material temperature: 90°C

Electrical vibrators drives:

Units: 2 Motor vibrator drives, type MVE 3000/1N-75A8
 Rated power (single unit): 2.2kW
 Rated voltage: 400V – Three-phases
 Rated current: 4.5A
 Rated frequency: 50Hz
 Speed: 1000rpm
 Insulation Class: F

Warning labels:

None.

Operating Manual Vibrating Screen Machine ADA 418, Ed. 14.04.2018.

Allowable ambient temperature range:

Permissible range of ambient temperature: -20°C ≤ Ta ≤ +40°C.

(16) Test documents are listed in the test report No. 18 0205964.

(17) Special conditions for safe use
None.

(18) Essential Health and Safety Requirements

This statement of conformity covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.

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