Physical-Technical Testing Institute
Ostrava - Radvanice

(1) # Supplementary EU - Type Examination Certificate No.1

(2) **Equipment or Protective Systems Intended for Use in Potentially Explosive Atmospheres (Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 20 ATEX 0046X

(4) Product: **Airsweep pneumatic nozzles, type VA-06, VA-12, VA-51, USDA-135, USDA-185**

(5) Manufacturer: **Control Concepts, Inc.**

(6) Address: **19 S. Main Street, Brooklyn, CT 06234, USA**

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 20 ATEX 0046X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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.

(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 product is subject to Specific Conditions of Use specified in the schedule to this certificate.

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

II 1/3 D Ex h IIIC T135°C Da/Dc
II 1/3 G Ex h IIC T4 Ga/Gc

(12) This certificate is valid till: **31.10.2030**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. • OSTRAVA-RADVANICE •

Date of issue: 23.10.2025

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 1 to FTZÚ 20 ATEX 0046X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Extension of certificate validity.

Construction, used materials and technical parameters of certified device remain unchanged.

The airsweep pneumatic nozzles VA and USDA consists of the valve stem and the valve body, in which the stem is moving. This movement is provided by suppressed air and the movement back is provided by the compression spring. The assembly of the airsweep nozzle is made either of carbon steel or stainless steel. The mounting flange is used for installation of nozzle in the wall of hopper (tank or vessel). The piston head is installed in zone 20 or zone 0, the other parts are installed outside the hopper (tank or vessel) in Zone 22 resp. zone 2 or in non-hazardous area. The operating of the nozzle is controlled by solenoid valve which operates with pressure air in pulse mode. This solenoid valve is installed outside the hopper (tank or vessel) and it is acceptable to use only a solenoid valve which is type approved for zone 22 and 2 according to the actually valid standards.

Technical specification:

$Pressure_{max}$:	VA-06	60 psi/4.13 bar
	VA-12/-51	100 psi/6.89 bar
	USDA-135	80 psi/ 5.51 bar
	USDA-185	90 psi/6.21 bar

Max. sequence of operation: 1/sec

Maximum velocity of the valve stem: 0,02 m/s

(16) Report Number: 20/0046/1

(17) Specific Conditions of Use:

1. Ambient temperature range: -20°C ≤ Ta ≤ +55°C.
2. The electrical devices installed together with the nozzle must have the type of protection corresponding with the defined zone.
3. The velocity of the valve stem mustn't exceed 1 m/s.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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(14) **Supplementary EU - Type Examination Certificate No. 1 to FTZÚ 20 ATEX 0046X**

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this supplementary certificate.

(19) Drawings and Documents:

Technical documentation remain unchanged and is listed in the original certificate.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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