

(1) EU-Type-Examination Certificate

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



(3) **Certificate Number** TÜV CY 19 ATEX 0206197 X **Issue: 01**

(4) for the equipment: Rotary Valves, Type: EX_****_**

(5) of the manufacturer: COMAV S.r.l.

(6) Address: Via Statale, 337 - Frazione Sant'Agostino
44047 Terre Del Reno (FE), Italy

Order number: 0206197

Date of issue: 2024-05-31

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.

- (8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 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. 24 0206197.

- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 1127-1:2019

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 EU-Type-Examination Certificate 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 which are not covered by this certificate.

- (12) The marking of the equipment or protective system must include the following:

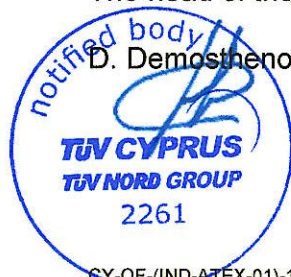
	II 1/2D Ex h IIIB or IIIC T135°C...T155°C Da/Db X	or
	II 1/3D Ex h IIIB or IIIC T135°C...T155°C Da/Dc X	or
	II 1/-D Ex h IIIB or IIIC T135°C...T155°C Da X	or
	II -/2G Ex h IIB T4...T3 Gb II 1/-D Ex h IIIB or IIIC T135°C...T155°C Da X	or
	II -/3G Ex h IIB T4...T3 Gc II 1/-D Ex h IIIB or IIIC T135°C...T155°C Da X	

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,

D. Demosthenous

Accredited by CYS-CYSAB
Certificate No. C 004-2



TÜV CYPRUS (TÜV NORD) Ltd,
2 Papaflessa Str., 2235 Latsia, Nicosia - P.O.Box: 20732, 1663 Nicosia, Cyprus
Tel: +357 22 44 28 40 Fax: +357 22 44 28 50 email: info@tuvcyprus.com.cy
www.tuv-nord.com/cy

This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd

(13) SCHEDULE

(14) EU-Type-Examination Certificate No. TÜV CY 19 ATEX 0206197 X Issue 01

(15) Description of equipment

The Rotary valve is an equipment suitable for dosing and/or transferring (by means of a compressed air flow) different materials in the form of powder or granule (either inert or combustible) through the transport pipes till the area of use and/or to the storing area.

The allowed combustible powders are classified ST1 with a minimum ignition energy MIE > 3 mJ.
The Rotary valve is not an isolating element for the propagation of the explosion.

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

Maximum product temperature: +100 °C

Maximum pneumatic transport temperature: +100 °C

Type code and technical data

The following variants are covered by this certificate:

Type	Size					
	150	200	250	320	400	480
EX VSD	-	x	x	x	x	x
EX VSF	-	x	x	x	x	x
EX VSTD	x	x	x	x	-	-
EX VSTF	x	x	x	x	-	-
EX VSD-SF	-	x	x	x	x	-
EX VSF-SF	-	x	x	x	x	-
EX VSTD-SF	-	-	x	x	-	-
EX VSTF-SF	-	-	x	x	-	-
EX VSD-CD	-	-	x	x	x	-
EX VSF-CD	-	-	x	x	x	-
EX VSTD-CD	-	-	x	x	-	-
EX VSTF-CD	-	-	x	x	-	-
EX VSFC	-	-	-	x	-	-

VS: Rotary Valve

D: Drop through

F: Blow through

T: Round inlet

CD: Spaced bearings

SF: Extractable rotor for a quick cleaning

VSD: Pneumatic transport intake

C: Chassis

Warning labels:

None.

DETAILS OF CERTIFICATE CHANGES:

Issue 01:

- Addition of dust group IIIB
- Extension of the maximum surface temperature rating, T135°C...T155°C.
- Extension of the temperature class, T4...T3.
- Increase of maximum product temperature: 100°C.
- Increase of maximum pneumatic transport temperature: 100°C.

(16) Test documents are listed in the test report No. 24 0206197.

Refer to the instruction manual EX_****-**.

(17) Special conditions for safe use

The maximum rotor speed is 35 RPM.

The Rotary valve must be operated with compressed air supply of 1.5 Barg for bearing protection.

(18) Essential Health and Safety Requirements

This EU Type examination certificate covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.