



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx EUT 25.0015X	Page 1 of 3	<u>Certificate history:</u>
Status:	Current	Issue No: 0	
Date of Issue:	2025-09-29		
Applicant:	PAL s.r.l. Via delle Industrie, 6/B Ponte di Piave (TV) 31047 Italy		
Equipment:	Rotary valves		
Optional accessory:			
Type of Protection:	Non electrical equipment		
Marking:	Ex h IIIB T135°C Da/Db		

Approved for issue on behalf of the IECEx
Certification Body:

Bucchieri Dionisio

Position:

Head of IECEx Certification Body

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins Product Testing Italy S.r.l.
Via Cuorgnè
n.21 - 10156 Torino
Italy

 **eurofins** | Product Testing



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Manufacturer: **PAL s.r.l.**
Via delle Industrie, 6/B
Ponte di Piave (TV) 31047
Italy

Manufacturing
locations: **PAL s.r.l.**
Via delle Industrie, 6/B
Ponte di Piave (TV) 31047
Italy

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 7.0

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition: 1.0

ISO 80079-37:2016 Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"
Edition: 1.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[IT/EUT/ExTR25.0013/00](#)

Quality Assessment Report:

[IT/EUT/QAR25.0004/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The rotary valves each consist of a housing in which a rotor (cellular wheel) rotates. The inlet and outlet of the housing are rectangular. The rotor has 8 rotor blades. The front sides of the rotor are open (without side discs). Rubber lips are attached to the blades of the rotor, which seal the rotor to the housing and to the bearing plates. The rubber lips are 9 mm thick. The bearings are fitted on the outside of the housing in the bearing plates. Sealing is achieved by means of two shaft seals in each case. The rotor is driven by a geared motor on the outside and can be equipped with sensor; all the electrical parts are outside of the scope of evaluation. The rotary valve's size included in the assessment are as follows:.

- DN.250x250-F DN.250x250-K
- DN.400x400-F DN.400x400-K
- DN.500x500-F DN.500x500-K
- DN.500x700-F DN.500x700-K
- DN.500x1000-F DN.500x1000-K

The general type of designation of the rotary valves is as follows:

DN.AAA(A)xBBB(B)-F or DN.AAA(A)xBBB(B)-K

DN. = Series type designation

AAA(A) = Nominal diameter of the rotor in mm

BBB(B) = Nominal length of the rotor in mm

- F = Drive mounted in such a way that the drive shaft is parallel to the rotor

- K = Mounting variant of the drive, drive shaft perpendicular to the rotor

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The maximum speeds specified in the operating instructions, must not be exceeded.
2. Lubrication and maintenance intervals must be adhered to in accordance with the operating instructions.
3. The rotary valves are to be included in the equipotential bonding of the entire plant.
4. If there is a risk of self-ignition of the bulk material, the rotary valves must be emptied before a prolonged standstill.
5. Operation of the rotary valves is only permitted if a bulk material discharge is ensured.
6. The temperature of the bulk material must not exceed 80 °C.