



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 DNV 25.0106X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2026-04-10		
Applicant:	POWERFLOW CONTROL CO., LTD. Room 201-1, Unit F, Building 3, No.8, Nine XiYuan Road, XiHu, Hangzhou China		
Equipment:	Intelligent Valve Positioner		
Optional accessory:			
Type of Protection:	IP6000d Series		
Marking:	Ex db IIC T6 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2026-04-10

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:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **POWERFLOW CONTROL CO., LTD.**
Room 201-1, Unit F, Building 3, No.8, Nine XiYuan Road, XiHu,
Hangzhou
China

Manufacturing locations: **POWERFLOW CONTROL CO., LTD.**
Room 201-1, Unit F, Building 3, No.8,
Nine XiYuan Road, XiHu,
Hangzhou
China

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

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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:

[NO/DNV/ExTR25.0089/00](#)

Quality Assessment Report:

[NO/DNV/QAR25.0023/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of Product

The IP6000d Series intelligent valve positioner consists of a flameproof enclosure including top cover and main shell. The gas circuit module, angle sensor and circuit boards are installed inside the flameproof enclosure. Some sintered metal elements, buttons, a glass and a spindle are installed in the wall of main shell.

There are two cable entries located on the main shell.

Type Designation

See annex.

Electrical Data:

Input signal current: 4~20 mA d.c.

Input power: $\leq 0.3W$

Output signal voltage for products of feedback signal version: 14~28 V d.c.

Output signal current for products of feedback signal version: 4~20 mA d.c.

Degrees of Protection (IP Code)

IP66

Ambient Temperature:

-40°C to +60°C or -20°C to +60°C

Routine Tests:

- Each unit must be subjected to routine overpressure test of 1.3 MPa for at least 10 s according to clause 16 of IEC 60079-1.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 3, table 4 and table 5 of IEC 60079-1.

- Before application, separate IECEx certified Ex db IIC Gb IP66 cable gland or plug should be incorporated.

Annex:

[IECEx DNV 25.0106X_issue 0_annex.pdf](#)

Annex to certificate: IECEx DNV 25.0106X Issue 0

Type designation

IP6000d	-	□	-	□	-	□	-	□	-	□	-	□	-	□	-	□	-	□	-	□
Sales Area (optional), composed of 3 characters, can be empty, this code is not related to explosion-proof performance. Ambient temperature: N: -20 °C to +60 °C L: -40 °C to +60 °C Power off state: S: Safe F: Freeze Pressure gauge: 0: No 1: Yes Mounting Kit: 0: No 1: Linear 2: Rotary Hart: 0: No 1: Yes Feedback signal: 0: No 1: Yes Explosion signs: d: Ex db Acting mode: S: Single acting D: Double acting Stroke type: L: Linear R: Rotary IP6000d: Basic catalog series designation																				