

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 25 ATEX 08560X** **Issue 0**

[4] Product: **IP6000d Series Intelligent Valve Positioner**

[5] Manufacturer: **POWERFLOW CONTROL CO., LTD.**

[6] Address: **Room 201-1, Unit F, Building 3, No.8 Nine
XiYuan Road, XiHu, Hangzhou, Zhejiang,
China**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018 and EN 60079-1:2014.**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **II 2 G Ex db IIC T6 Gb**

Date of issue:
2026-04-10



Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.



[13]

Schedule

[14] **EU-Type Examination Certificate No.:**

DNV 25 ATEX 08560X

Issue 0

[15] **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

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

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.

[16] **Report No.:** 2025-9850, Rev. 00

Project No.: PRJN-791913

[17] **Specific Condition(s) of Use**

- 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 EN 60079-1.

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

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
gb-00	Flameproof Positioner Assembly Drawing	V240425	2024-04-25
gb-01	Flameproof Main Shell	V240425	2024-04-25

gb-02	Flameproof Top Cover	V240425	2024-04-25
gb-03	Button Cover	V210426	2021-04-26
gb-04	Gas Circuit Module	V220215	2022-02-15
gb-05	Flameproof Circuit Board Protection Cover	V201228	2020-12-28
gb-06	Steel Sleeve	V201228	2020-12-28
gb-07	Flameproof Spindle (E-type Circlip)	V201228	2020-12-28
gb-09	Flameproof button	V220209	2022-02-09
gb-10	Flameproof screen	V210425	2021-04-25
gb-12	Flame Arrester	V220901	2022-09-01
gb-13	Ground plate	V210430	2021-04-30
gb-15	Button cover seal	V210818	2021-08-18
gb-22	Nameplate	V240425	2024-04-25
gb-23	Metal ring	V240425	2024-04-25
gb-24	IP6000d Principle block diagram & wiring diagram	V240425	2024-04-25
gb-25	Electrical connection label	V240425	2024-04-25

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2026-04-10	2025-9850, Rev.00

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

END OF CERTIFICATE