SGSNA25ATEX101401X

(1)

EU-TYPE EXAMINATION CERTIFICATE

(2) **Directive 2014/34/EU of the European Parliament and of the council of 26 February 2014 Equipment intended for Explosive Atmosphere -ATEX Directive**

(3) **ProCert No** :SHEX2506000074MD

(4) **Certificate Number** :SGSNA25ATEX101401X
Issue No :0

(5) **Equipment** :HVP Intelligent Positioner, HVP32 Series

(6) **Manufacturer** :Chongqing Chuanyi Control Valve Co.,Ltd.

(7) **Address** :No.879 Caihe Rd., Caijiagang Town, Beibei District, Chongqing, 400707, P.R.C

(8) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(9) SGS NORTH AMERICA, INC., Notified Body Number 3015 in accordance with Article 17 and Article 21 of the 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, using EU Type Examination Certificate module as detailed under Annex III of this Directive.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with the following Harmonized Standards :EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014

Where additional criteria beyond those given here have been used, they are listed at item 16 in the Schedule.

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

Ex II 2 G Ex db IIB T6…T4 Gb, II 2 G Ex db IIC T6…T4 Gb, II 2 D Ex tb IIIC T85°C ...T135°C Db.

(12) **Product Description** : HVP32 series intelligent valve positioner

HVP32 series intelligent valve positioner consists of aluminum alloy or stainless steel main body, display window subassembly, terminal box end cover, base subassembly, circuit board, potentiometer

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subassembly and stainless steel spindle to form an electrical chamber, control chamber, connection chamber, the three cavities are isolated by epoxy pot-sealed connector components. The electrical chamber comprises a base subassembly, an electrical conversion unit, and the base subassembly comprises a breathing device. The control chamber comprises a display window subassembly, potentiometer subassembly, a stainless steel spindle and circuit board, and the display window subassembly is provided with an observation window. The connecting cavity comprises a terminal box end cover and a terminal board subassembly.

Electrical parameters of valve positioner are Input current 4~20mA DC and feedback signal voltage 18~24V DC. The IP degree of this valve positioner is IP66. The Tamb. range of valve positioner to be used is defined in the X-conditions of this ATEX EU-Type certificate.

Type definition:

Intelligent valve positioner	**HVP**										
Flameproof Enclosures/Dust ignition protection		32									
Single-acting			S								
Straight travel Angular travel				L R							
Non-communication protocol HART communication protocol PROFIBUS-PA communication protocol FF communication protocol					0 1 2 3						
Unassisted module Current feedback module Lightning protection module Current feedback module, lightning protection module						0 1 4 5					
Browsing interface: NPT1/2 M20x1. 5-6H							1 0				
Air interface: NPT1/4 Rc1/4								1 0			
Ambient temperature: Normal temperature type Low temperature type									S L		
Pressure gauge connection: None Yes (stainless steel)										0 1	
Corrosion resistance: Standard Enhanced Stainless steel											0 1 2
Identification code											-00

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(13) 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 15 of this certificate. {paragraph cannot be used for components}.
If the sign "**U**" placed behind the certificate number, it indicates that this certificate should not be confused with certificates issued for equipment of protective systems. This partial certification may not be used as basis for certification of an equipment or protective systems. "Schedule Of Limitations" is listed under item 15 of this certificate.

(14) 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.

(15) **Special conditions of safe use for "X"**:

1. Contact the original manufacturer for the information of dimension of flameproof joint. Repairs of the flameproof joints may only be made by the manufacturer or on behalf on the manufacturer and on his own responsibility.
2. Observe the warning: "POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS".
3. Special fastener performance rating is A4-70.
4. The product should be installed with the breathing device tilted downwards to prevent liquids entering the interior of the housing.
5. Product max. ambient temperature range:

Gas group IIB/ dust group IIIC hazardous location:

T4/T135°C: -40°C/-30°C ~ +80°C

T5/T100°C: -40°C/-30°C ~ +60°C

T6/T85°C: -40°C/-30°C ~ +45°C

Gas group IIC hazardous location:

T4: -40°C/-30°C ~ +60°C

T5: -40°C/-30°C ~ +60°C

T6: -40°C/-30°C ~ +45°C

(16) Essential health and safety requirements met by compliance with the requirements mentioned in item 10 and where required, the report listed in item 3.

(17) This Notification may be withdrawn if the manufacturer does not satisfy the requirements of the Directive or fails to maintain a quality system that can demonstrate compliance to Annex IV (or) Annex VII (or) Annex V of EU Directive 2014/34/EU.

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Authorized by

Effective date: Oct 14, 2025

Vijay Rangarajan

Vijayaraghavan Rangarajan
Certification Manager- Hazardous Locations

(18) **Routine (Factory) Tests:**



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Routine overpressure test shall be conducted on three separate chambers by the atmospheric pressure of 2.0MPa for at least 10s. No permanent deformation or damage happen. And no parts of the joints are enlarged.

(19)	**Critical Drawings and Documentation-Tabulated based on Issue Number**

Issue 0				
S. No	**Drawing No.**	**Description**	**Rev.**	**Date**
1	HK-00.0-00-IEC	Assembly Drawing of HVP3X Intelligent Valve Positioner	A	2023-09-20
2	HK-00.0-01Y	Terminal box end cover	A	2023-09-20
3	HK-05.0-01Y	Display end cover	A	2023-09-20
4	HK-05.0-02	Glass window	A	2023-09-20
5	HK-07.0-01XY-IEC	Main body	A	2023-09-20
6	HK-06.0-01	Potentiometer	A	2023-09-20
7	HK-06.0-02-IEC	Potentiometer fixing plate	A	2023-09-20
8	HK-00.0-06X-ATEX	HVP3X nameplate	A	2023-09-20
9	HK-02.0-01Y	Base	A	2023-09-20
10	HK-02.0-03	Small vent plug	A	2023-09-20
11	HD-03-02	Vent plug	A	2023-09-20
12	HK-07.2-01	Wire connector	A	2023-09-20
13	HL-000-01	Terminal box end cover	A	2023-09-20
14	HL-000-02X	Main body	A	2023-09-20
15	HL-000-03	Base	A	2023-09-20
16	HL-000-05	Display end cover	A	2023-09-20
17	HK-00.0-04	Buckle	A	2023-09-20
18	HK-02.0-00XY	Base component	A	2023-09-20
19	HK-07.0-00XY-IEC	Mainbody subassembly	A	2023-09-20
20	HK-07.2-00	Wire connector component	A	2023-09-20
21	HK-07.3-00	IP wire connector component	A	2023-09-20
22	HK-05.0-00Y	Display window component	A	2023-09-20
23	CY11-2024A-01	HVP3 Series Intelligent Valve Positioner Manual	/	/

(20)	**Certification History**
Iss. No	**Purpose**
0	Initial release

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