



## Test Report

Report No.: THZJ25042269596EN

Job No.: 69596

Date: April 29, 2025

The following information was/were submitted and identified by/on behalf of the client:

Applicant : Theoborn auto-control valves co.,ltd  
Address : NO.119,4th Road, 3rd Avenue, Binhai Industrial Zone, Economic and  
Technical, Wenzhou City, China  
Sample Name : Electric Actuator  
Model No. : BNE005,BNE010,BNE020,BNE040,BNE060,BNE100,BNE150  
Sample material : The shell is made of aluminum alloy and has undergone sandblasting and  
powder coating treatment, which makes it highly resistant to corrosion  
Date Received : 2025/04/22  
Test Period : 2025/04/23---2025/04/28  
Test Requested : IP67  
Test Method : IEC 60529:1989+A1:1999+A2:2013+COR1:2019  
Test Result : Pass

For and on behalf of

Shanghai Global Testing Services Co., Ltd



Authorized Signature

Shi Lei/Kevin

General Manager - GTS/SHO

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This report is only responsible for the tested sample(s) and item(s), the testing result(s) is used for scientific research, teaching or internal quality control. Without the writing agreement of the company, the client is not allowed to copy the report in part(entire copy is excepted).

Shanghai Global Testing Services Co., Ltd.

Floor 2nd, Building D-1, No. 128, Shenfu Road, Minhang District, Shanghai, China.

Tel: (86-21) 3363 7866 Fax: (86-21) 3363 7858 E-mail: info@gts-lab.com Web Site: <http://www.gts-lab.com>

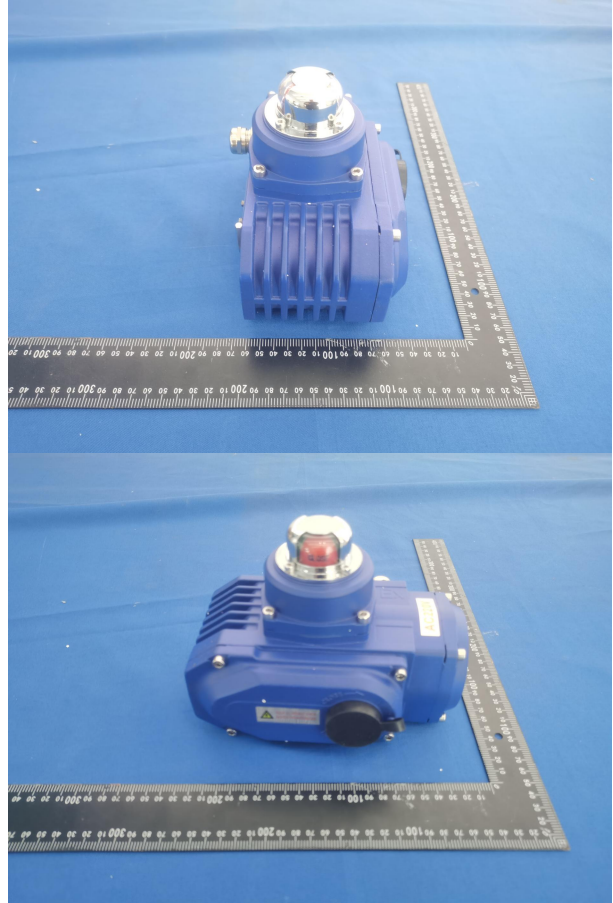
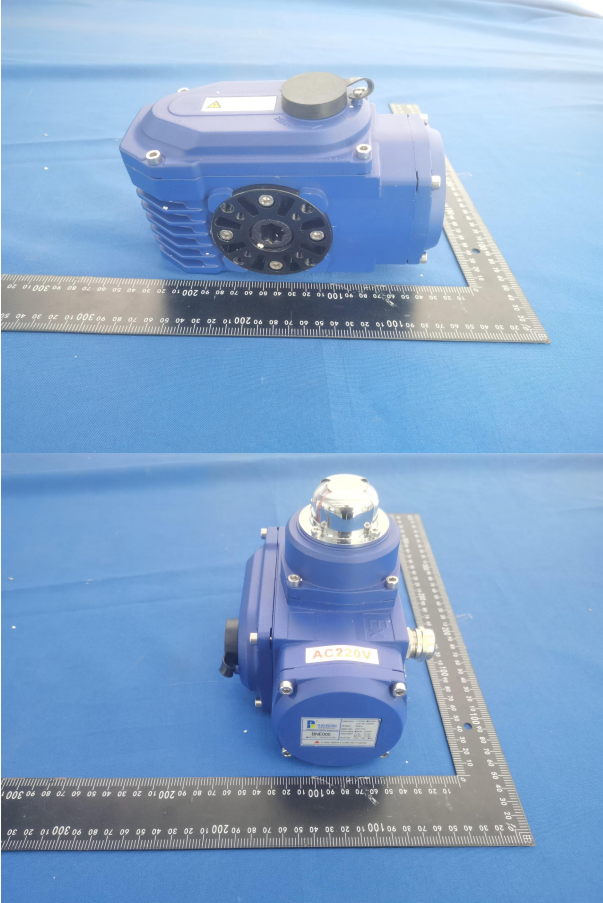
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### SAMPLE PHOTO



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### TEST RESULT

No.	Test Item	Test Method	Result
1	IP6X	IEC 60529:1989+A1:1999+A2:2013+COR1:2019	PASS
2	IPX7	IEC 60529:1989+A1:1999+A2:2013+COR1:2019	PASS

**1. Test Item: IP6X Dust proof**

**Test Method:** IEC 60529:1989+A1:1999+A2:2013+COR1:2019  
Degrees of protection provided by enclosures (IP 6X)

**Test Setup:** Dust-proof chamber, Model No. SC-010

**Environment:** 24°C, 53%RH, 103kPa

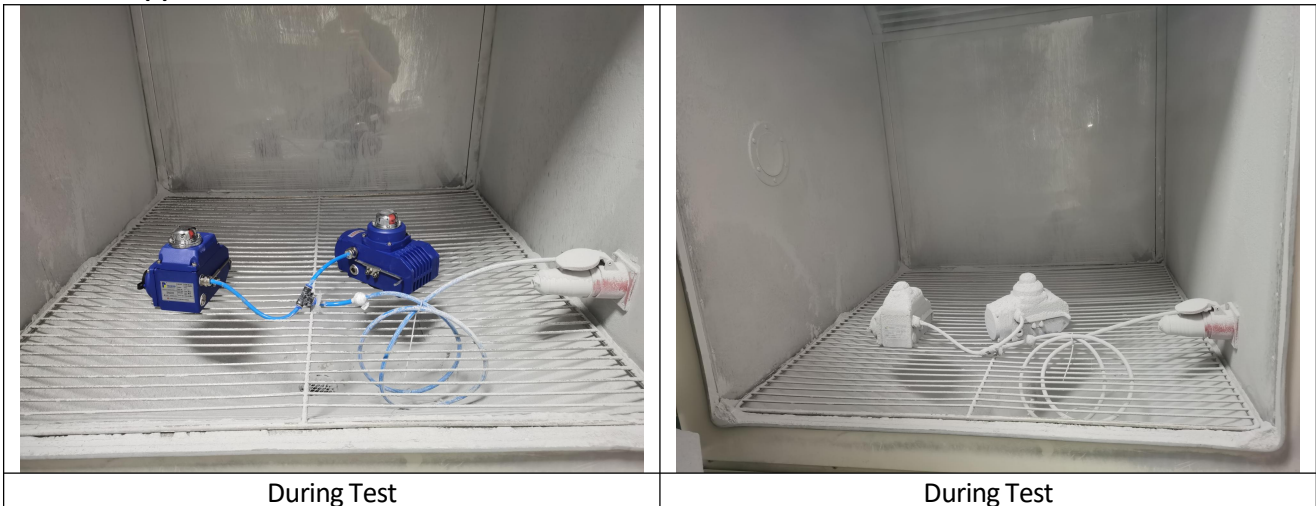
**Test Conditions:** 1) Maximum depression : 2kPa.  
2) Test period: 8 hours  
3) Extraction rate: 40 volumes per hour

**Test Requirement:** The protection is satisfactory if, on inspection, talcum powder has not accumulated in a quantity or location such that, as with any other kind of dust, it could interfere with the correct operation of the equipment or impair safety.

**Test Result:**

Sample Name	Test Results
Electric Actuator	No dust observed inside the test sample

**Test Photo(s):**

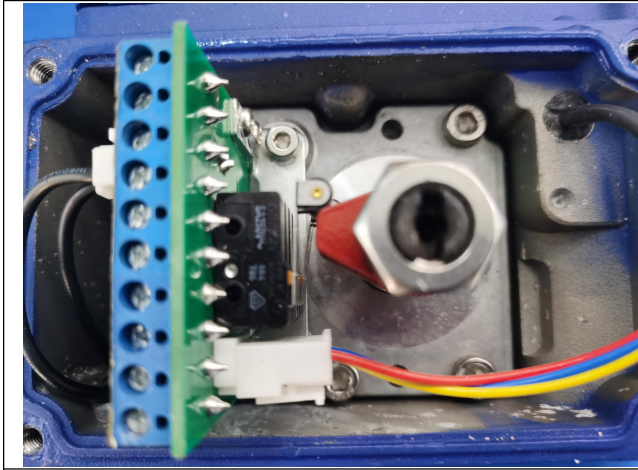


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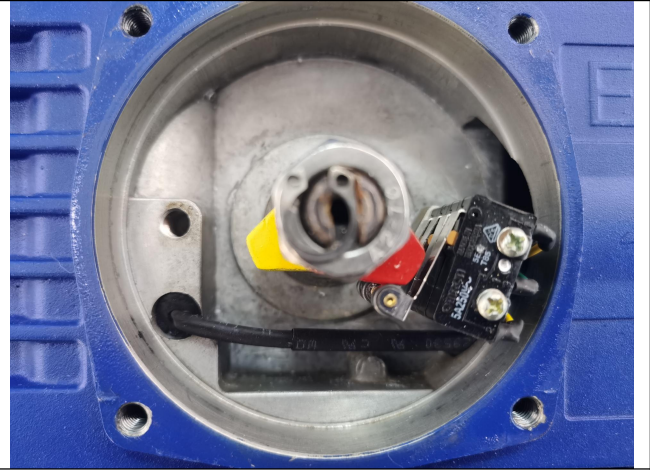
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After Test



After Test

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**2. Test Item: IPX7 Water proof**

**Test Method:** IEC 60529:1989+A1:1999+A2:2013+COR1:2019  
Degrees of protection provided by enclosures (IP X7)

**Test setup:** Water proof test chamber, Model No. IPX1-8

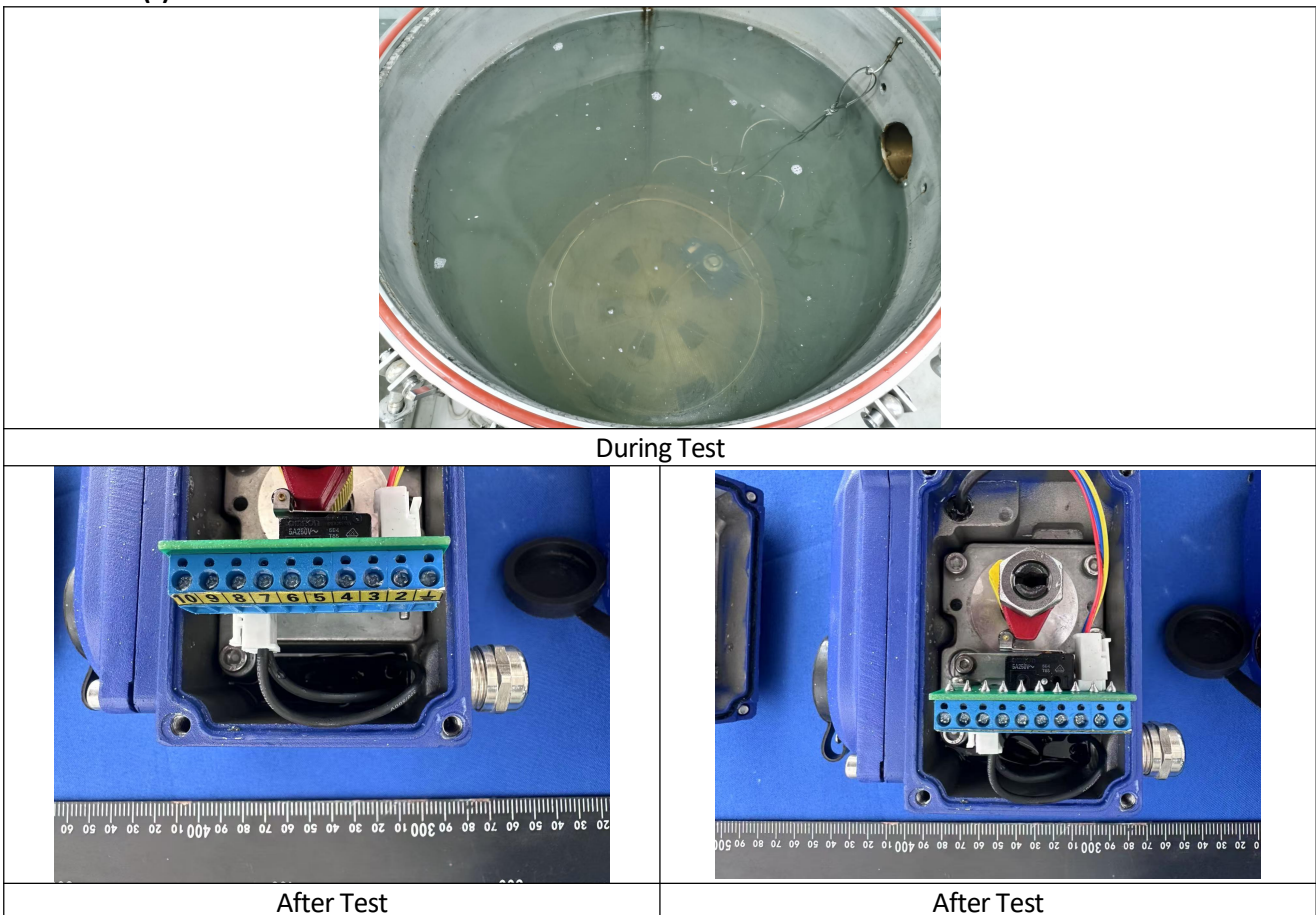
**Environment:** 24°C, 53%RH, 103.5kPa

**Test Conditions:** 1) Depth of water: 1m  
2) Test period: 30 min

**Test Result:**

Sample Name	Test Results
Electric Actuator	No water entered the cavity of sample after this test

**Test Photo(s):**



\*\*\*End of Report\*\*\*