



## TEST REPORT

**Report No.:** THZJ25042869866EN

**Job No.:** 69866

**Date:** May 09, 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-PL,BNE010-PL,BNE020-PL,BNE040-PL,BNE060-PL,BNE100-PL,BNE150-PL  
Material : The shell is made of aluminum alloy and treated with sandblasting and plastic spraying, which makes it highly resistant to corrosion.  
Date Received : April 28, 2025  
Test Period : May 06, 2025 --- May 08, 2025  
Test Requested : IP67  
Test Method : IEC 60529:2013  
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.

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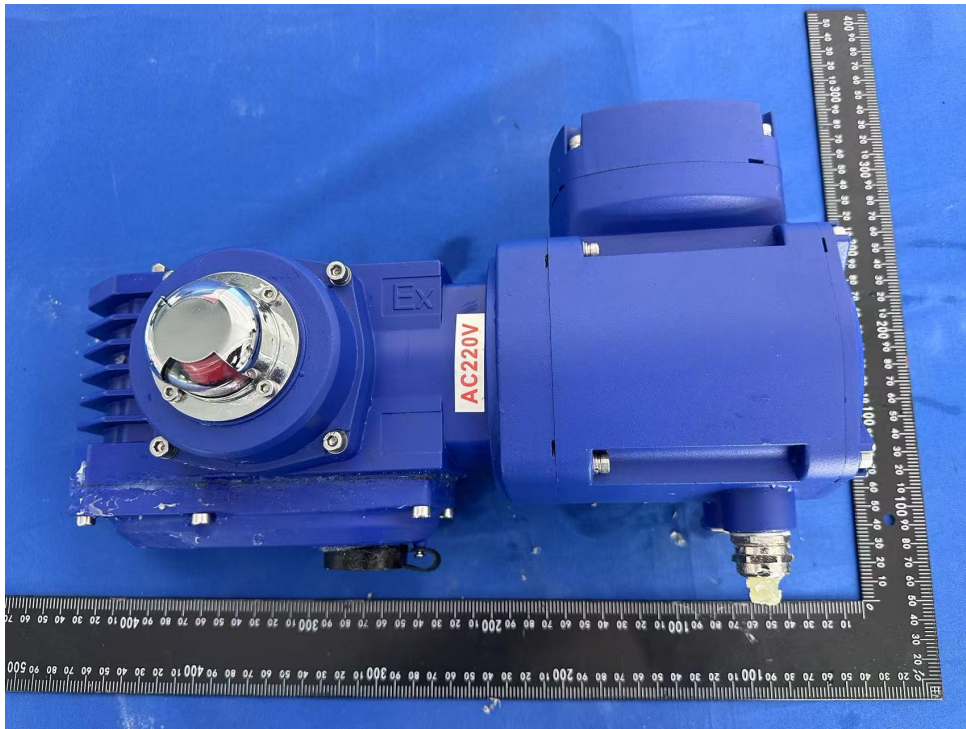
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### Sample Photo



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## TEST RESULT

No.	Test Item	Test Method	Result
1	IP6X	IEC 60529:2013	PASS
2	IPX7	IEC 60529:2013	PASS

### 1. Test Item: IP6X Dust proof

**Test Method:** IEC 60529:2013 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):**

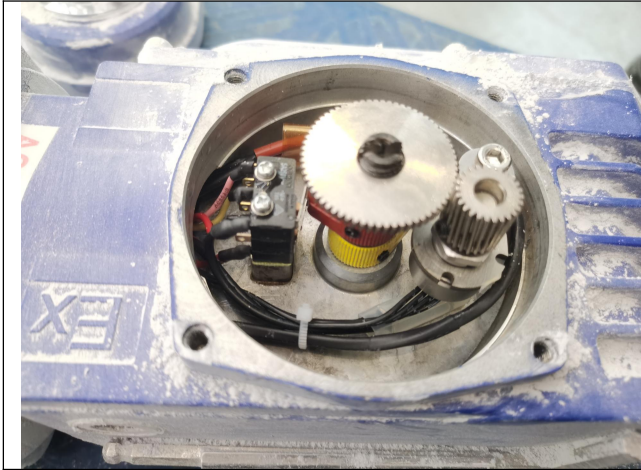


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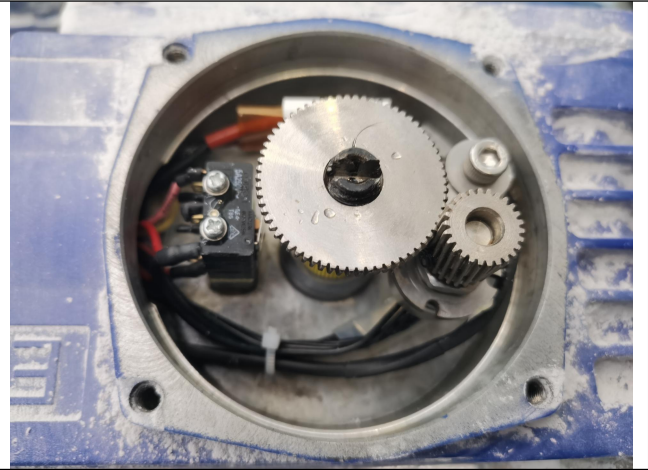
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After Test



After Test

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

**Test Method:** IEC 60529:2013 Degrees of protection provided by enclosures (IP X7)

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

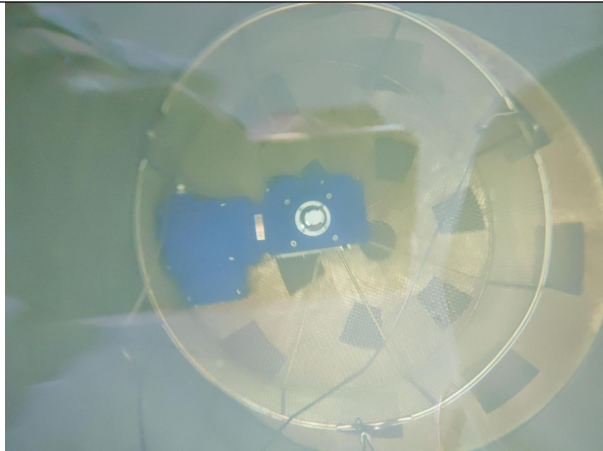
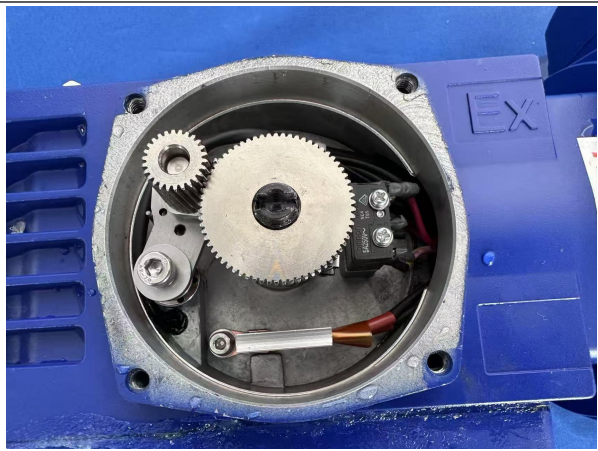
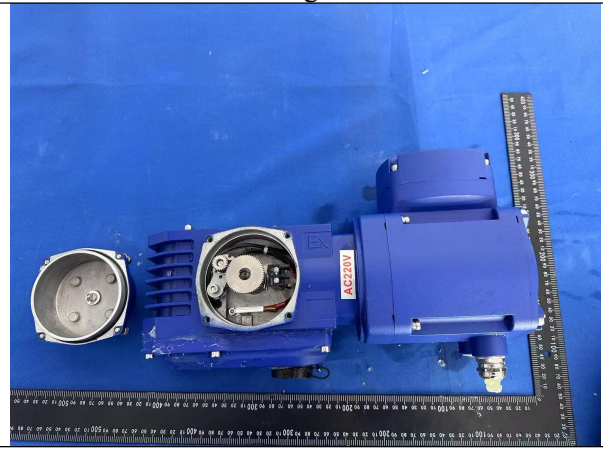
**Environment:** 26°C, 53%RH, 103.5kPa

**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):**

	
During Test	After Test
	/
After Test	/

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