



## TEST REPORT

Report No : THZJ18041313794-EN Date: April 18, 2018

Applicant : WENZHOU HEARKEN FLOW EQUIPMENT CO.,LTD

Office Address : 3405-4,Wenzhou World Trade Center,Danan Road,Lucheng Area  
Wenzhou,Zhejiang Province,China

Factory Address : Yanghetou Industrial Park, Oubei Town, Yongjia County,  
Wenzhou City, Zhejiang Province,China

Sample Description : Electric Actuators

Model No. : HEA010

Covered Type : HEA Series, HEAP Series, HEAS Series  
HQT Series, HEX Series, HMT Series  
HML Series, HUM Series

Date Received : April 13, 2018

Test Period : April 13, 2018 to April 18, 2018

Test Requested : IP67

Test Method : As specified in IEC 60529:1989+A1:1999+A2:2013

Conclusion : Pass



Issued on behalf of  
Shanghai Global Testing Services Co., Ltd

Authorized Signature

Shi Lei/Kevin

General Manger -GTS/SHO

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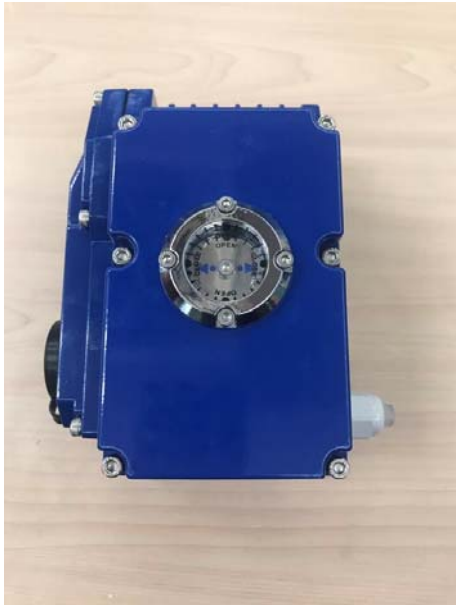
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### Sample Photo



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### TEST RESULT

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

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

**Test Method:** IEC 60529:1989+A1:1999+A2:2013 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 Result:**

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

**Sample Photo during the test:**



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**Sample Photo after the test:**



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### 2. Test Item: IPX7 Water proof

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

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

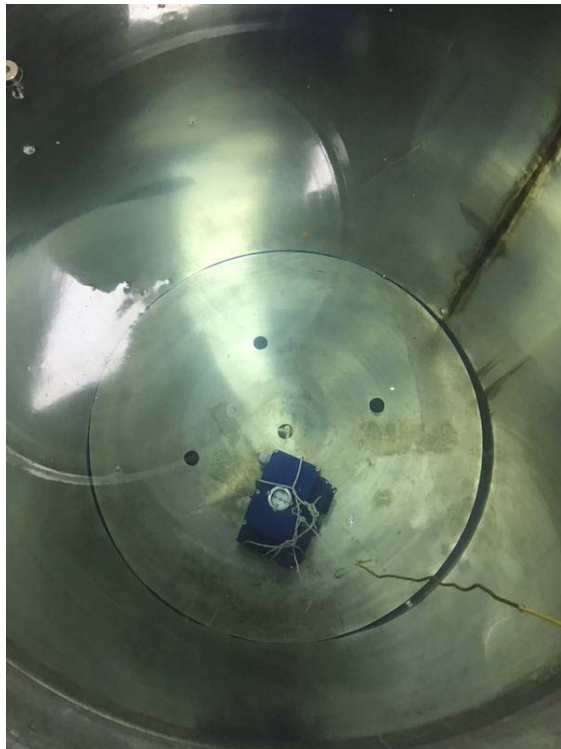
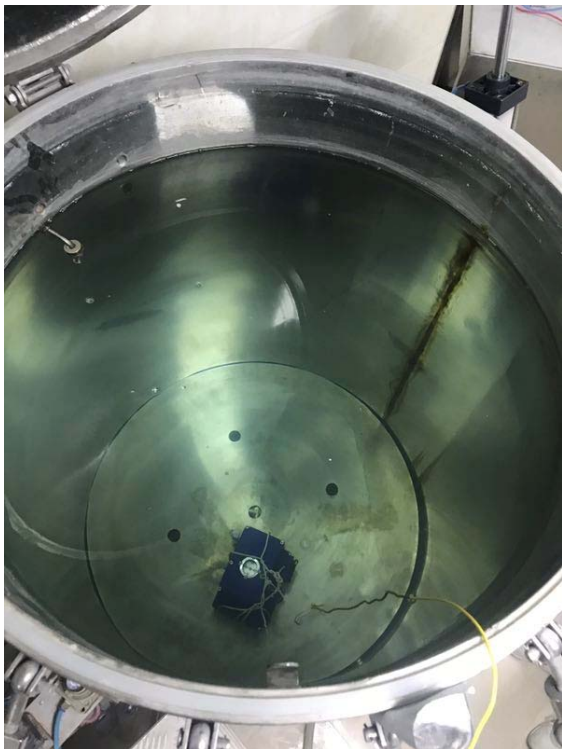
**Environment:** 26°C, 53%RH, 103.5kPa

**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

**Sample Photo during the test:**

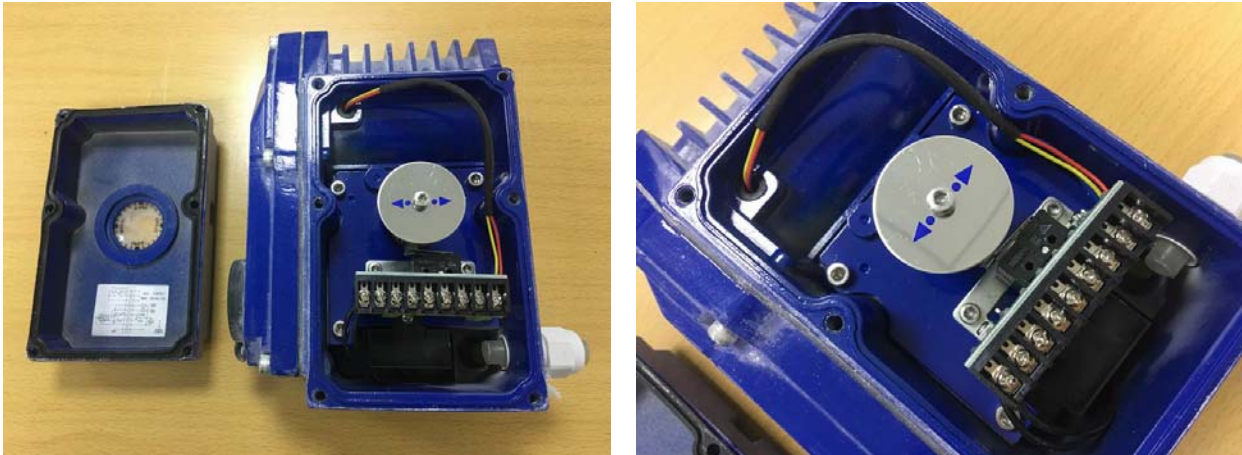


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**Sample Photo after the test:**



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