

NUTORK CORP.
5TH FLOOR, BUILDING 4, NO. 530, ZHAOJIAJING ROAD, CHEDUN TOWN, SONGJIANG DISTRICT,
SHANGHAI, China

Sample Description : 3/2 way solenoid valve
Client Reference Information : MATERIAL:ALUMINUM ALLOY/316SS
Item No. : SV110/210P1CX

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

SGS Ref No. : GZMR220601976001
Sample Receiving Date : Jun 22, 2022
Test Performing Date : Jun 22, 2022 to Jul 01, 2022
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Xiamen Branch



Beck Hong
Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Center Hardlines

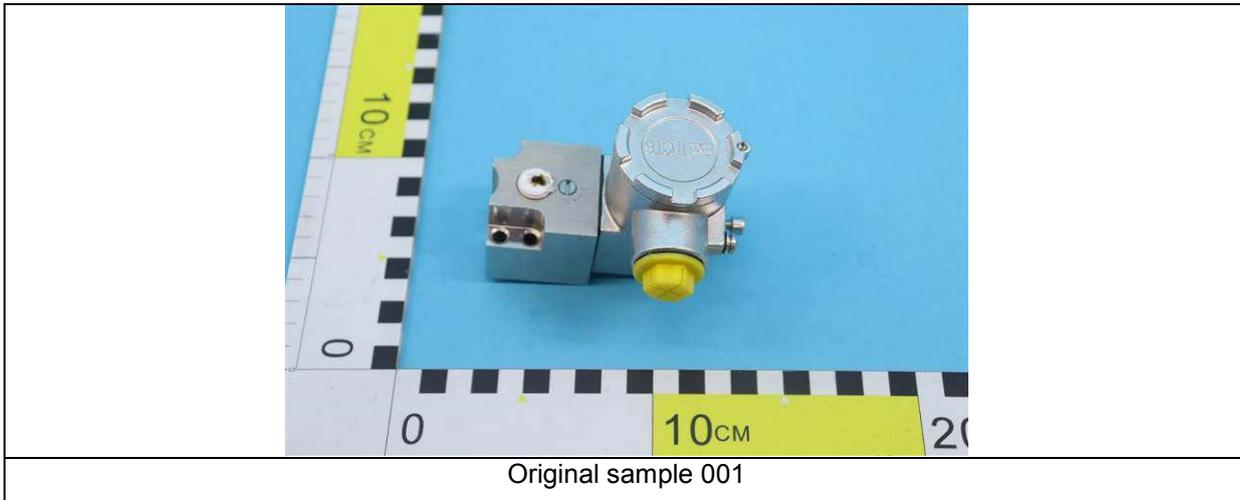
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	IPX6	IEC 60529:1989/AMD2:2013/COR1: 2019	No visual ingress of water.	/
2	IP6X	IEC 60529:1989/AMD2:2013/COR1: 2019	No visual ingress of dust.	/

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 / : Not Apply to the judgment.

Original Sample Photo:



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1. Test Item: IPX6

Sample Description: Solenoid Valve

Test Method: IEC 60529:1989/AMD2:2013/COR1:2019

Test Condition:

Nozzle diameter: $\Phi 12.5\text{mm}$

Flow rate: 100L/min

Distance: 2.5m~3.0m

Test duration: 3min

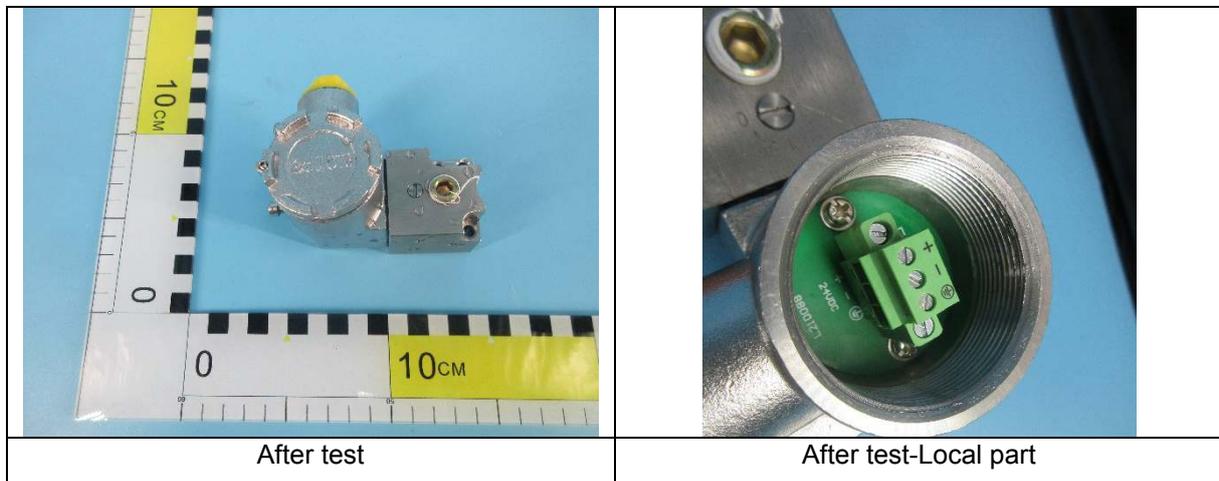
Test direction: The turntable rotates 360 degrees, and the water gun sprays from the upper, horizontal and lower directions to ensure that the samples are sprayed in all directions.

Lab Environment Condition: 15°C ~ 35°C, 25%RH ~ 75%RH

Test Result:

Sample	Test Result
001	No visual ingress of water

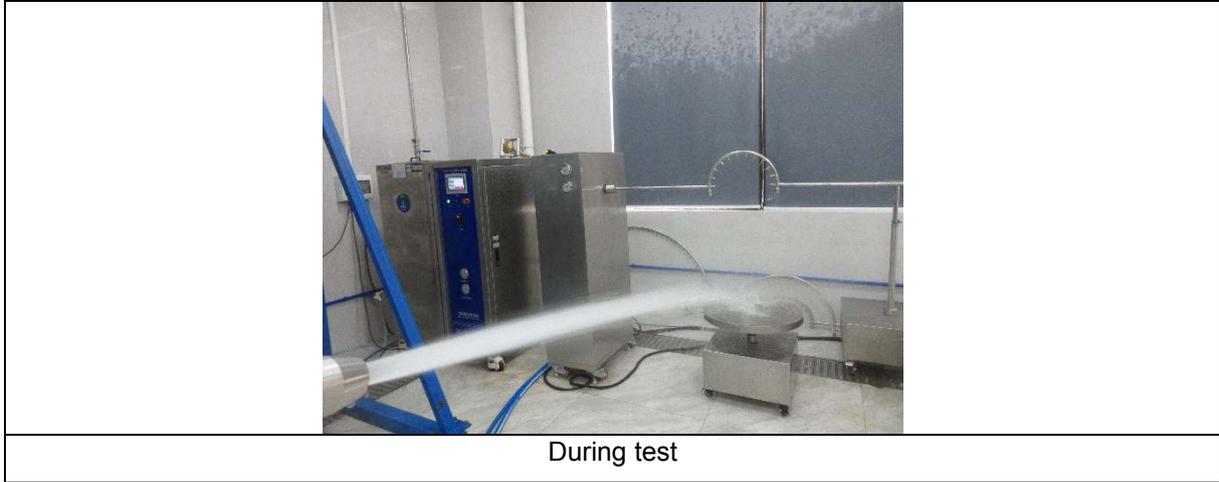
Test Photo:



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During test

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Waterproof tester	GR-IPX56A	GZMR-RL-E203-01	2022-04-24	2023-04-23

2. Test Item: IP6X

Sample Description: Solenoid Valve

Test Method: IEC 60529:1989/AMD2:2013/COR1:2019

Test Condition:

Test Dust: Talcum powder

Dust Concentration: 2 kg/m³ chamber volume and be kept in suspension during the test

Depression: ≤2 kPa

Extraction Rate: < 40 volumes per hour

Test Duration: 8 hours

Lab Environment Condition: 15°C~35°C, 25%RH~75%RH

Test Result:

Sample	Test Result
001	No visual ingress of dust



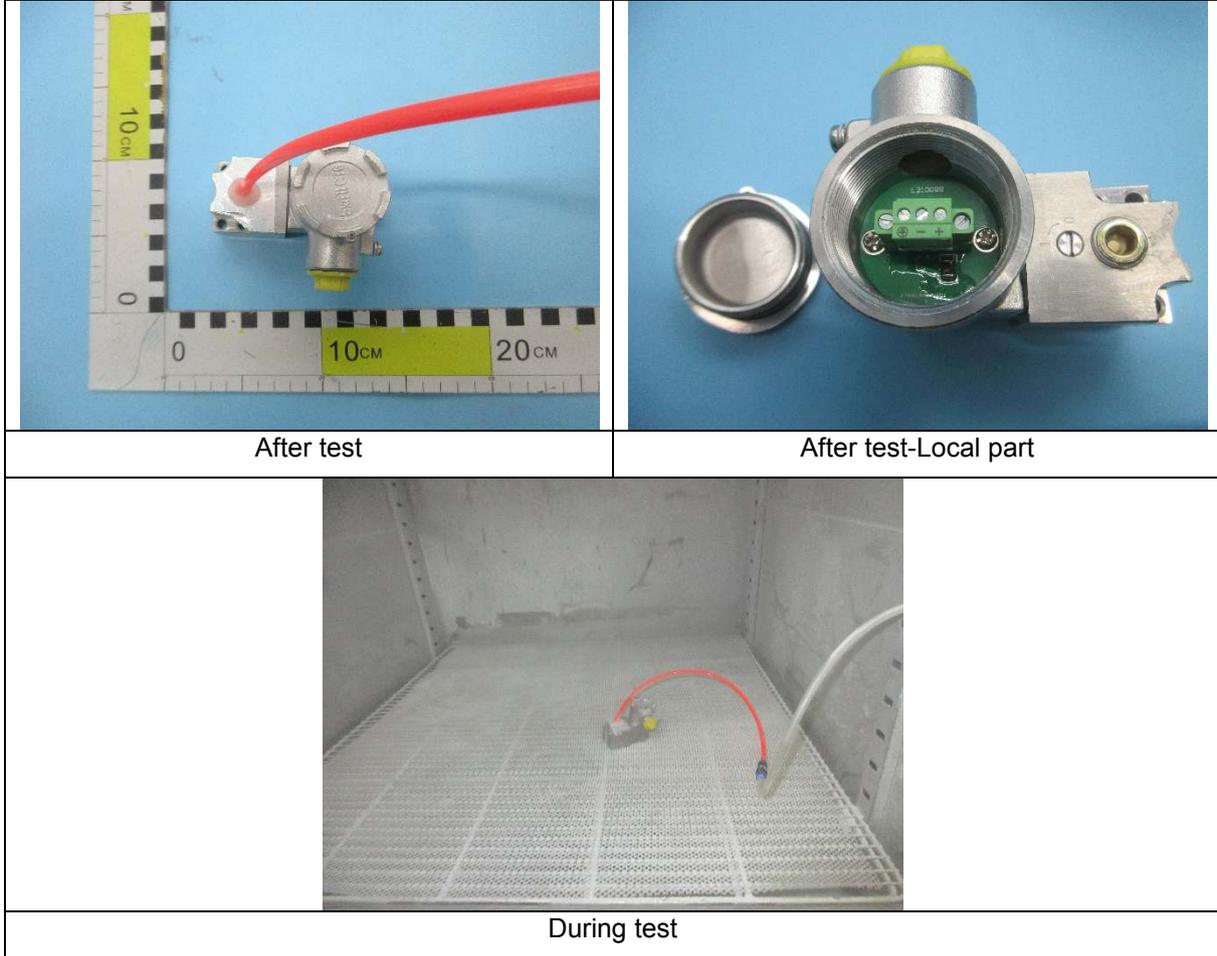
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Test Photo:



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Sand and dust test chamber	MS-SC-010	GZMR-RL-E119	2022-03-16	2023-03-15

Remark: This test was subcontracted to Guangzhou Branch, SGS-CSTC Co., Ltd.

End of Report

