TECHNICAL DATA SHEET

ATTN: SK Energy Co., Ltd.

LA-ST1 Water Tightness Test in Accordance with IPX5

Nitto Denko Corporation

Functional Base Products Sector

Development Dept.
Industrial Products Div.

Document No. : Ind.2112-0103

Date: December 21, 2021

Approved By: Shinichiro Kose

Created By: Boon Keng KOR

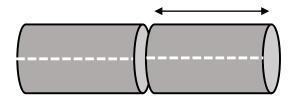


Document No. : Ind.2112-0103

Specimen Details

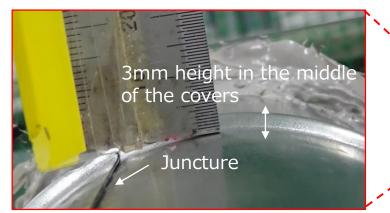
Aluminum metal cover

Length:150mm

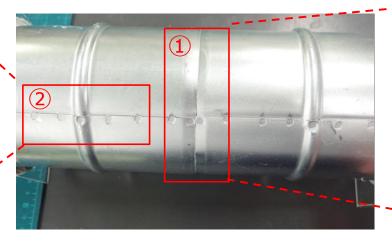


Φ: 100mm

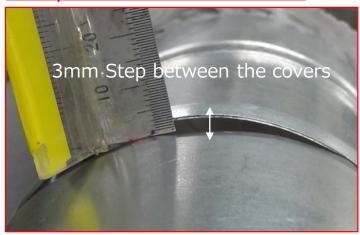
①Juncture in metal cover



Water line



1) Gap between metal covers

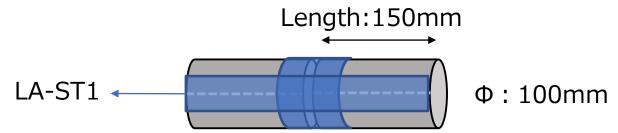




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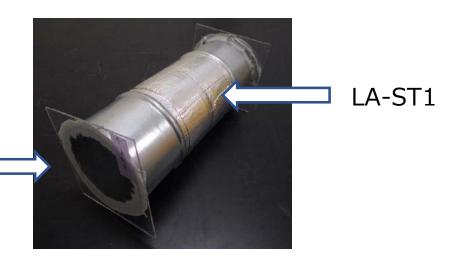
Specimen Preparation

Seal every joint by 1.5 times overlapping LA-ST1



Tape width:100mm

Seal the openings of metal cover so that the inner part is visible for water leakage checking.





Test Condition

| Test Method | IPX5 |
|-------------------------------------|---------|
| Water pressure | 20kpa |
| Water flow rate | 12L/min |
| Distance from nozzle to test sample | 3m |
| Watering time | 3 min |
| Number of test sample | 2 |



Test was carried out by third party.

Pic 1. Under test IPX5



Test Result



Test result





No water leakage is observed



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Certification Received From Evaluation Organization

| TEST REPORT | |
|---------------------------|---|
| Report No | CJ21-165851S |
| Date of issue: | 2021-12-20 |
| Testing Laboratory | Cosmos Corporation Matsusaka Laboratory |
| Address: | 718-1, Katsurase-cho, Matsusaka-shi, Mie 515-1104 Japan |
| Client's name | Nitto Denko Corporation |
| Address: | 18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194 Japan |
| Test specification: | Full items with following standard(s) Limited items with following standard(s) Requested items by client |
| Standard: | IEC 60529: 1989+A1: 1999+A2: 2013 IPX5 |
| Non-standard test method: | N/A |
| Test item description: | Waterproofing Tape |
| Manufacturer | Nitto Denko Corporation |
| Model/Type reference: | LA-ST1 |
| Ratings | N/A |
| Serial No: | N/A |
| Result | Pass Fail This Test Report contains the results of tests listed in page 3. The measurement result was judged with the measured value without taking into account measurement uncertainty. |





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