



NATIONAL DECLARATION OF PERFORMANCE

No. RASCO-CNBOP-02

1. Construction Product:

Reliable Model GXLO Sp (R2916) Sprinkler & Model GXLO Su (R2921) Sprinkler

2. Designation of Construction Product:

Fire Suppression

3. Intended Use:

The listed Reliable Sprinklers are to be used in fire suppression systems; all of which have various temperature ratings and elements that operate upon a specified temperature. Once the elements have operated, the sprinklers' waterways will open allowing the deflectors to distribute the discharging of water for fire suppression.

4. Manufacture Information:

THE RELIABLE AUTOMATIC SPRINKLER CO., INC.
1470 SMITH GROVE ROAD
LIBERTY, SOUTH CAROLINA 29657-0313

5. Authorized Representative's Registered Office:

See Manufacture Information

6. National System to verify constancy of performance:

System 1 – National Certificate of Constancy of Performance:
063-UWB-0443 (R2916), CNBOP-PIB-KOT-2022/0343-1005 EDITION 1
&
063-UWB-0444 (R2921), CNBOP-PIB-KOT-2022/0342-1005 EDITION 1



7. National Technical Specification:

In accordance with the Regulation of the Ministry of Infrastructure and Construction of 17 November 2016 on the method of declaring the performance of construction products and the method of marking them with a construction mark (Journal of Laws of 2016, item 1966; as amended), this certificate applies to the following construction products:

063-UWB-0443 (R2916), CNBOP-PIB-KOT-2022/0343-1005 EDITION 1
&
063-UWB-0444 (R2921), CNBOP-PIB-KOT-2022/0342-1005 EDITION 1

8. Declared Performance Characteristics:

Reliable Model GXLO Sp (R2916) Sprinklers & Model GXLO Su (R2921) Sprinklers have met the requirements and maintain the declared performance of the following standard and practices of the “Approval Standard for Automatic Sprinklers for Fire Protection, Class Series 2000” February 2018 issue of FM Approvals LLC:

Working Load/Strength of Body: 4.2.1 - 4.2.2
Strength of Thermosensitive Elements: 4.3.1 - 4.3.2
Leakage: 4.4.1 – 4.4.2
Resistance to Hydrostatic Pressure: 4.5.1 – 4.5.2
Leakage (30-day): 4.6.1 – 4.6.2
Water Hammer Resistance: 4.7.1 – 4.7.2
Operating Temperature (Liquid Bath): 4.8.1 – 4.8.2
Hang-up (Operational): 4.10.1 – 4.10.2
Strength of Deflector (Flow Endurance): 4.11.0 – 4.11.2
Vacuum: 4.12.1 – 4.12.2
Resistance to high ambient temperature (90-day): 4.13.1 – 4.13.2
Thermal Shock: 4.14.1 – 4.14.2
Water flow (K-Factor): 4.15.1 – 4.15.2
Corrosion Resistance (Humid Air): 4.16.1 – 4.16.2
Corrosion Resistance (Salt Spray): 4.17.1 – 4.17.2
Stress Corrosion: 4.18.1 – 4.18.2
Corrosion Resistance Humid Air/Carbon Dioxide/Sulfur Dioxide: 4.19.1 – 4.19.2
Corrosion Resistance Hydrogen Sulfide: 4.20.1 – 4.20.2
Vibration Testing: 4.21.1 – 4.21.2
Resistance to Rough handling and Impact: 4.22.1 – 4.22.2
High Temperature Resistance (Without Element): 4.23.1 – 4.23.2
Freeze Resistance: 4.24.1 – 4.24.2
Minimum Operating Pressure: 4.25.1 - 4.25.2
Conductivity (C-Factor): 4.27.1 – 4.27.2
Thermal Sensitivity (RTI): 4.28.1 – 4.28.2
Water Distribution: 4.31.1 – 4.34.2
Impingement/Protective Angle: 4.34.1 – 4.34.2
Fire Testing – Standing and Hanging Storage Sprinklers K11.2 (K160): 4.39.1 – 4.39.2



9. The performance of the product specified above shall comply with all in point 8 with the declared performance characteristics. This national declaration of performance is issued in accordance with the Act of 16 April 2004 on construction products, under the sole responsibility of the manufacturer.

On behalf of the manufacturer, signed:

Dated: March, 4 2025

Josh Bryant
International Approvals Specialist
On behalf of
The Reliable Automatic Sprinkler Co., Inc.

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