



February 13, 2026

Mr. William Makant
Plumis Ltd.
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Subject: Plumis Automist Targeted Discharge Water Mist Systems for One- and Two-Family Dwellings

Dear Mr. Makant:

As a follow up to our recent virtual meeting, this letter is intended to provide information related to the UL Certification of the Plumis Automist targeted discharge water mist system intended for installation in One- and Two-Family Dwellings and Manufactured Homes as alternative to a residential sprinkler system designed in accordance with NFPA 13D.

The attributes as well as the design and installation limitations for a residential sprinkler system compared to the targeted discharge water mist system intended for installation in One- and Two- Family Dwellings are unique and different. From this standpoint, it is important to fully understand and apply all the requirements associated with design and installation of each system including those described in the relevant NFPA standards as well as the manufacturer's design, installation, and operation manual, as applicable.

However, each of these systems provide the same overall purpose as described in the NFPA 13D and NFPA 750 and as illustrated in Attachment A. Therefore, an AHJ seeking to determine whether a targeted water mist system can be used as an alternative to an NFPA 13D sprinkler system can consider their purpose to meet the requirements of life safety in these standards as equivalent.

Furthermore, from a code standpoint, Sections 903 and 904.11 of the International Fire Code (IFC) indicate that automatic water mist systems can be permitted by the AHJ in applications that are consistent with the applicable listing. These sections of the IFC are illustrated in Attachment B.

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We trust this information will be helpful in your review and consideration of the alternative fire suppression systems.

Very truly yours,

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Attachment A

NFPA 13D - Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (latest edition):

1.2 Purpose.*

1.2.1 The purpose of this standard shall be to provide a sprinkler system that aids in the detection and control of residential fires and thus provides improved protection against injury and life loss.

1.2.2 A sprinkler system shall be designed and installed in accordance with this standard to prevent flashover (total involvement) in the room of fire origin, where sprinklered, and to improve the chance for occupants to escape or be evacuated.

NFPA 750 - Standard on Water Mist Fire Protection Systems (latest edition):

10.3.2 One- and Two-Family Dwellings.

10.3.2.1 Scope.

10.3.2.1.1 This section shall cover the design and installation of occupancy protection systems for one- and two-family dwelling applications.

10.3.2.2 Purpose

10.3.2.2.1 The purpose of this section shall be to provide a water mist system that aids in the detection and control of residential fires and thus provides improved protection against injury and life loss.

10.3.2.2.2 A water mist system shall be designed and installed in accordance with this section to prevent flashover (total involvement) in the room of fire origin, where water mist protection is provided, and to improve the chance for occupants to escape or be evacuated.



Attachment B

International Fire Code (IFC)

903.1.1 Alternative Protection

Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted instead of automatic sprinkler system protection where recognized by the applicable standard and approved by the fire code official.

904.11 Automatic Water Mist Systems

Automatic water mist systems shall be permitted in applications that are consistent with the applicable listing or approvals and shall comply with Sections 904.11.1 through 904.11.3.

904.11.1 Design and Installation Requirements: Automatic water mist systems shall be designed and installed in accordance with Sections 904.11.1.1 through 904.11.1.4.

904.11.1.1 General: Automatic water mist systems shall be designed and installed in accordance with NFPA 750 and the manufacturer's instructions.

904.11.1.2 Actuation: Automatic water mist systems shall be automatically actuated.

904.11.1.3 Water Supply Protection: Connections to a potable water supply shall be protected against backflow in accordance with the International Plumbing Code.

904.11.1.4 Secondary Water Supply: Where a secondary water supply is required for an automatic sprinkler system, an automatic water mist system shall be provided with an approved secondary water supply.

904.11.2 Water Mist System Supervision and Alarms: Supervision and alarms shall be provided as required for automatic sprinkler systems in accordance with Section 903.4.1.

904.11.2.1 Monitoring: Monitoring shall be provided as required for automatic sprinkler systems in accordance with Section 903.4.2.

904.11.2.2 Alarms: Alarms shall be provided as required for automatic sprinkler systems in accordance with Section 903.4.3.

904.11.2.3 Floor Control Valves: Floor control valves shall be provided as required for automatic sprinkler systems in accordance with Section 903.3.9.

904.11.3 Testing and Maintenance: Automatic water mist systems shall be tested and maintained in accordance with Section 901.6.