UL 2167

STANDARD FOR SAFETY

Water Mist Nozzles for Fire Protection Service

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UL Standard for Safety for Water Mist Nozzles for Fire Protection Service, UL 2167

Third Edition, Dated May 11, 2026

Summary of Topics

This new Third Edition of ANSI/UL 2167 dated May 11, 2026 includes the following changes in requirements:

– Editorial and formatting revisions; 4.2, 17.4, Table 45.1, 48.3.4, 49.2.2, Table 49.1, Table 49.2, and 51.2.3.

– Alignment and clarifications to existing requirements; 5.2, 5.14, 5.22, 9.4, Section 13, Section 14, 15.3, 18.1 – 18.3, 30.1.4, 35.1, 35.2, and 37.1.

– Expansion of requirements of Shipboard Machinery Space Fire Tests, Section 47; 5.13.

– Addition of tests for open nozzle caps; 6.1, Section 19, Section 20, Section 21, 30.1.1, 30.1.2, 30.1.8, 30.2.1, 30.2.8, 30.3.1, 30.3.2, 30.4.1, 30.4.2, 30.5.1, 30.5.2, 30.5.3, 30.5.5, 30.6.1, 30.7.1, and 39.1.

The new and requirements are substantially in accordance with Proposal(s) on this subject dated February 13, 2026.

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MAY 11, 2026

ANSI/UL 2167-2026

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UL 2167

Standard for Water Mist Nozzles for Fire Protection Service

First Edition – December, 2002
Second Edition – March, 2021

Third Edition

May 11, 2026

This ANSI/UL Standard for Safety consists of the Third Edition.

The most recent designation of ANSI/UL 2167 as an American National Standard (ANSI) occurred on May 11, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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INTRODUCTION

1 Scope

1.1 This Standard contains requirements for water mist nozzles for use with water mist fire-protection systems intended for the protection of residential, light and ordinary hazard areas as well as shipboard machinery, control spaces, service areas, and public spaces. The intended application and use of a water mist nozzle is referenced in the Manufacturer's Design and Installation Instructions. See Section 57, Design and Installation Instructions.

1.2 This Standard is intended to address minimum fire-protection performance, construction, and marking requirements for water mist nozzles.

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

3 Components

3.1 Except as indicated in 3.2, a component of a product covered by this Standard shall comply with the requirements for that component.

3.2 A component is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product covered by this Standard; or

b) Is superseded by a requirement in this Standard.

3.3 A component shall be used in accordance with its rating established for the intended conditions of use.

3.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

4 Referenced Publications

4.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

4.2 The following publications are referenced in this Standard:

ASTM E11, *Standard Specification for Woven Wire Test Sieve Cloth and Test Sieves*

ASTM E799, *Standard Practice for Determining Data Criteria and Processing for Liquid Drop Size Analysis*

ASTM E1354, *Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter*

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