UL 162

STANDARD FOR SAFETY

Foam Equipment and Liquid Concentrates

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UL Standard for Safety for Foam Equipment and Liquid Concentrates, UL 162

Eighth Edition, Dated February 23, 2018

Summary of Topics

This revision of ANSI/UL 162 dated June 26, 2026 includes the following changes in requirements:

– Electronic Proportioning; 4.5A, 4.20A, 4.29A, 4.35, 4.36, 5.1.6A, 5.1.14 – 5.1.16, 5.2.9, Section 6 note, 6.1, 6.3, 6.4, Section 9 (deleted), Section 9A, 10.4.1, Section 14 (deleted), Section 14A, 15.2, 18.1, 19.1, 20.1.1, 22.2.1, 22.3.1, 25.2

– Clarification of Separation Test; Section 6B

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated August 22, 2025 and April 24, 2026.

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FEBRUARY 23, 2018
(Title Page Reprinted: June 26, 2026)

ANSI/UL 162-2026

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UL 162

Standard for Foam Equipment and Liquid Concentrates

The first through fourth editions were titled Air-Foam Equipment and Liquid Concentrates.

First Edition –May, 1960
Second Edition –August, 1969
Third Edition –March, 1974
Fourth Edition –June, 1975
Fifth Edition –June, 1983
Sixth Edition –March, 1989
Seventh Edition –March, 1994

Eighth Edition

February 23, 2018

This ANSI/UL Standard for Safety consists of the Eighth Edition including revisions through June 26, 2026.

The most recent designation of ANSI/UL 162 as an American National Standard (ANSI) occurred on June 26, 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 These requirements cover foam producing equipment and liquid concentrates employed for the production and discharge of foam that has an expansion ratio of 20:1 or less and is used for fire extinguishment. These requirements are based on the premise that foam equipment and specified types of foam liquid concentrates with which they are intended to be used are to be investigated for use with each other.

1.2 If foam equipment covered by these requirements incorporate sprinklers, the sprinklers shall comply with the Standard for Automatic Sprinklers for Fire Protection Service, UL 199.

1.3 Requirements for the installation and use of foam equipment and liquid concentrates are included in the Standard for Low-, Medium, High-Expansion Foam, NFPA 11.

2 Units of measurement

2.1 If a value for measurement is followed by a value in other units in parentheses, the second value may be only approximate. The first stated value is the requirement.

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 need not comply with a specific requirement that:

a) Involves a feature or characteristic not needed 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 recognized rating established for the intended conditions of use.

3.4 Specific components are recognized as being 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 for which they have been recognized.

4 Glossary

4.1 For the purpose of this standard, the following definitions apply.

4.2 CLASS B FIRES – Fires in flammable and combustible liquids, gases, and greases.

4.3 CONTROL – A reduction in fire intensity of approximately 90 percent.

4.4 DISCHARGE COEFFICIENT "K" – Coefficient of discharge in the formula:

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