JOINT CANADA-UNITED STATES
NATIONAL STANDARD

ANSI/CAN/UL 448C:2026A

STANDARD FOR SAFETY

Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service

Approved American National Standard
ANSI

ANSI/UL 448C-2026

SCC CCN

SCC FOREWORD

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UL Standard for Safety for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service, ANSI/CAN/UL 448C

Third Edition, Dated July 6, 2026

Summary of Topics

This revision of ANSI/CAN/UL 448C dated July 31, 2026 is a editorial correction to include "g)" in the list of items in 21.1 which was inadvertently left off and was in the proposal(s) dated March 27, 2026.

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 revised requirements are substantially in accordance with Proposal(s) on this subject dated March 27, 2026.

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Standard for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service

First Edition – February, 2009
Second Edition – January, 2023

Third Edition

July 6, 2026

This ANSI/CAN/UL 448C Safety Standard consists of the Third Edition including revisions through July 31, 2026.

The most recent designation of ANSI/UL 448C as an American National Standard (ANSI) occurred on July 6, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

This Standard has been designated as a National Standard of Canada (NSC) on July 6, 2026.

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Preface

This is the Third Edition of ANSI/CAN/UL 448C, Standard for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service.

ULSE is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO).

This Standard has been developed in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization.

This ANSI/CAN/UL 448C Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Third Edition joint American National Standard and National Standard of Canada is based on, and now supersedes, the Second Edition of UL 448C.

Comments or proposals for revisions on any part of the Standard may be submitted 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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This Edition of the Standard has been formally approved by the Technical Committee (TC) on Fire Pump Equipment, TC 448.

This list represents the TC 448 membership when the final text in this Standard was balloted. Since that time, changes in the membership may have occurred.

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Name	Representing	Interest Category	Region
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This Standard is intended to be used for conformity assessment.

The intended primary application of this Standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for this particular application.

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INTRODUCTION

1 Scope

1.1 These requirements cover stationary, rotary-type, positive-displacement pumps intended for supplying water or foam liquid concentrates to fire protection systems.

1.2 The pumps covered by these requirements are intended to be installed in accordance with the Standard for Installation of Stationary Pumps for Fire Protection, NFPA 20.

2 Components

2.1 A component of a product covered by this Standard shall:

a) Comply with the requirements for that component as specified in this Standard;

b) Be used in accordance with its rating(s) established for the intended conditions of use; and

c) Be used within its established use limitations or conditions of acceptability.

2.2 A component of a product covered by this Standard is not required to comply with a specific component requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product;

b) Is superseded by a requirement in this Standard; or

c) Is separately investigated when forming part of another component, provided the component is used within its established ratings and limitations.

2.3 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.

3 Units of Measurement

3.1 Where values of measurement are specified in both SI and U.S. customary units, it is the responsibility of the user of this Standard to determine the unit of measurement appropriate for the user's needs.

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:

ABMA 9, *Load Ratings and Fatigue Life for Ball Bearings*

ABMA 11, *Load Ratings and Fatigue Life for Roller Bearings*

ASME B1.20.1, *Pipe Threads, General Purpose, Inch*

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