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ANSI/CAN/UL/ULC 331A:2026

STANDARD FOR SAFETY

Strainers for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 98 Percent (E0 – E98)

Approved American National Standard
ANSI

ANSI/UL 331A-2026

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UL Standard for Safety for Strainers for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 98 Percent (E0 – E98), ANSI/CAN/UL/ULC 331A

Third Edition, Dated July 29, 2026

Summary of Topics

This new Third Edition of ANSI/CAN/UL/ULC 331A dated July 29, 2026 includes changes to revise the title and scope of UL 331A to increase ethanol concentration from 85 % to 98 % for fuel handling equipment.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated December 5, 2025 and May 15, 2026.

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ANSI/UL 331A-2026

JULY 29, 2026

ANSI/CAN/UL/ULC 331A:2026

Standard for Strainers for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 98 Percent (E0 – E98)

First Edition – February, 2015
Second Edition – May, 2024

Third Edition

July 29, 2026

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

The most recent designation of ANSI/UL 331A as an American National Standard (ANSI) occurred on July 29, 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 29, 2026.

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Preface

This is the Third Edition of ANSI/CAN/UL/ULC 331A, Standard for Strainers for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 98 Percent (E0 – E98).

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/ULC 331A 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.

Annex A is identified as Normative, as such, form mandatory parts of this Standard.

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 331A.

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 Power-Operated Pumps for Petroleum Dispensing Products, TC 79.

This list represents the TC 79 membership when the final text in this Standard was balloted. Since that time, changes in the membership may have occurred.

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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 complete, self-contained strainer or filter assemblies intended for use with fuels designated in 1.3. Although these devices are designated strainers, they may be either strainers or filters according to the common terminology of the industry.

1.2 Strainers or filter assemblies for gasoline/ethanol blends with nominal ethanol concentrations up to 98 % (E0 – E98) shall be constructed to comply with the following:

a) The requirements defined in UL/ULC 331, Standard for Strainers for Flammable and Combustible Liquids, Anhydrous Ammonia and Non-potable Water; and

b) The requirements in this Standard.

1.3 Strainers and filter assemblies covered by these requirements are intended for use with one or more of the following as applicable:

a) Gasoline formulated in accordance with the Standard Specification for Automotive Spark Ignition Fuel, ASTM D4814;

b) Gasoline/ethanol blends with nominal ethanol concentrations up to 25 % ethanol (E25), consisting of gasoline formulated in accordance with the Standard Specification for Automotive Spark Ignition Fuel, ASTM D4814, when blended with denatured fuel ethanol formulated to be consistent with the Standard Specification for Denatured Fuel Ethanol, ASTM D4806; or

c) Gasoline/ethanol blends with nominal ethanol concentrations above 25 % formulated in accordance with the following:

1) Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark Ignition Engines, ASTM D5798; or

2) Standard Specification for Denatured Fuel Ethanol, ASTM D4806.

1.4 These requirements do not cover:

a) Strainers for handling liquids under cryogenic conditions;

b) Strainers for marine use;

c) Strainers for automotive fuel lines;

d) Strainers for handling refrigerants;

e) Strainers for use in such facilities as chemical, petrochemical, petroleum, and utility power plants;

f) Strainers for use in fluid-power (hydraulic and pneumatic) applications;

g) Strainers or filter assemblies for use with diesel, biodiesel, diesel/biodiesel blends, fuel oil, or kerosene which are covered under the Standard for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil, UL/ULC 331B; and

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