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ANSI/CAN/UL/ULC 2586A:2026

STANDARD FOR SAFETY

Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 98 Percent (E0 – E98)

Approved American National Standard

ANSI/UL 2586A-2026

SCC FOREWORD

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UL Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 98 Percent (E0 – E98), ANSI/CAN/UL/ULC 2586A

Third Edition, Dated July 29, 2026

Summary of Topics

This new Third Edition of ANSI/CAN/UL/ULC 2586A dated July 29, 2026 includes changes to revise the title and scope of UL/ULC 2586A 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 8, 2026.

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ANSI/UL 2586A-2026

JULY 29, 2026

ANSI/CAN/UL/ULC 2586A:2026

Standard for Hose Nozzle Valves 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 2586A 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 2586A, Standard for Hose Nozzle Valves 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 2586A 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 2586A.

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 Valves for Flammable Fluids, TC 842.

This list represents the TC 842 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 hose nozzle valves that are intended to be used for the control of motor fuels as indicated in 1.3. They are of the type used in motor fuel dispensing equipment. Hose nozzle valves covered by this Standard are for use with motor fuels which are handled at temperatures within the range of minus 20 °F (minus 29 °C) to 125 °F (52 °C) and an operating pressure of minimum 50 psig (345 kPa).

1.2 Hose nozzle valves 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 the Standard for Hose Nozzle Valves for Flammable and Combustible Liquids, UL/ULC 2586; and

b) The requirements in this Standard.

1.3 Hoze nozzle valves 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 Specifications in (b);

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

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

1.4 These requirements cover hose nozzle valves of the manually operated and automatic type. When they form a part of an assembly which provides for additional functions or service, the requirements are outside the scope of these requirements.

1.5 These requirements do not cover the following:

a) Hose nozzle valves for handling liquids under cryogenic conditions.

b) Hose nozzle valves for general refinery service, offshore and pipe line terminals, natural gas processing plants, gas distribution systems, petrochemical processing facilities, or the like.

c) Hose nozzle valves operated wholly or partially by electricity or battery.

1.6 This Standard does not cover hose nozzle valves for use with diesel, biodiesel, diesel/biodiesel blends, kerosene or fuel oil, which are covered under the Standard for Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil, UL/ULC 2586B.

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