UL 87

STANDARD FOR SAFETY

Power-Operated Dispensing Devices for Petroleum Products

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UL Standard for Safety for Power-Operated Dispensing Devices for Petroleum Products, UL 87

Thirteenth Edition, Dated August 28, 2026

Summary of Topics

This new Thirteenth Edition of ANSI/UL 87 dated August 28, 2026 is a new harmonized standard with CSA Group, CSA B346, and covers requirements for Power-Operated Dispensing Devices for Petroleum Products.

The new requirements are substantially in accordance with Proposal(s) on this subject dated February 13, 2026 and May 22, 2026.

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CSA Group
CSA B346:26
Third Edition

ULSE Inc.
UL 87
Thirteenth Edition

Power-Operated Dispensing Devices for Petroleum Products

August 28, 2026

ANSI/UL 87-2026

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

The most recent designation of ANSI/UL 87 as an American National Standard (ANSI) occurred on August 28, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

The Department of Defense (DoD) has adopted UL 87 on March 11, 1991. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

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PREFACE

This is the harmonized CSA Group and ULSE Standard for Power-Operated Dispensing Devices for Petroleum Products. It is the third edition of CSA B346, and the thirteenth edition of UL 87. This edition of CSA B346 supersedes the previous edition(s) published on December 1980 (Reaffirmed 2023). This edition of UL 87 supersedes the previous edition(s) published on March 24, 2016 and revised on September 4, 2019.

The harmonized standard was prepared by CSA Group and ULSE under the jurisdiction of the CSA Transportation Strategic Steering Committee and has been formally approved by the Joint CSA B346 / UL 87 Technical Committee, TC 87-346J, Power-Operated Dispensing Devices for Petroleum Products. The efforts and support of the technical committee are gratefully acknowledged.

This Standard is considered suitable for use for conformity assessment within the stated scope of the standard.

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of Natural Resources Canada.

This Standard has been developed in compliance with the Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this Standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of Harmonization

This Standard uses the IEC format but is not based on, nor is it considered equivalent to, an IEC standard.

This Standard is published as an equivalent standard for CSA Group and ULSE.

An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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INTRODUCTION

1 Scope

1.1 These requirements apply to power-operated dispensing devices for petroleum products such as gasoline and diesel for use as motor fuel.

1.2 In the United States, the electrical features of power-operated dispensers are addressed in UL 1238, Standard for Control Equipment for Use with Flammable Liquid and LP-Gas Dispensing Devices. In Canada, the electrical features of flammable and combustible fuel dispensers are addressed in CSA C22.2 No. 22, Electrical equipment for flammable and combustible fuel dispensers.

1.3 These requirements apply to wiring methods used to install or interconnect such control equipment when the equipment is located directly on or within the housing of the dispensing device. These requirements do not apply to control equipment that can authorize, monitor, or interrupt operation of a power-operated dispensing device. Such equipment includes panel-mounted equipment located adjacent to the dispensing device, remote consoles located inside a permanent structure, and auxiliary equipment physically attached to the dispensing device or enclosed by the pedestal and housing.

1.4 Products covered by this Standard are intended to be installed and used in accordance with the applicable Codes and Regulations as determined by the Authority Having Jurisdiction (AHJ), such as:

a) In the United States:

1) NFPA 30, Flammable and Combustible Liquids Code;

2) NFPA 30A, Code for Motor Fuel Dispensing Facilities and Repair Garages;

3) International Fire Code (IFC) Chapter 23; or

4) National Electrical Code® (NEC®), NFPA 70®.

b) In Canada:

1) National Fire Code of Canada (NFC);

2) Canadian Electrical Code, Part I, CSA C22.1; or

3) Provincial or other Regulations.

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1.5 For additional requirements for power-operated dispensing devices for gasoline/ethanol blends with nominal ethanol concentrations above 10 %, refer to the Standard for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 98 Percent (E0 – E98).

1.6 For additional requirements for power-operated dispensing devices for biodiesel fuel, diesel/biodiesel blends with nominal biodiesel concentrations up to 20 % (B20), refer to the Standard for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil, UL 87B.

2 Components

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

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