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JOINT CANADA-UNITED STATES
NATIONAL STANDARD

ANSI/CAN/UL/ULC 252A:2025

STANDARD FOR SAFETY

Compressed Gas Regulator Accessories

Approved American National Standard
ANSI
ANSI/UL 252A-2025

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SCC FOREWORD

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UL Standard for Safety for Compressed Gas Regulator Accessories, ANSI/CAN/UL/ULC 252A

Fifth Edition, Dated October 27, 2022

Summary of Topics

This revision of ANSI/CAN/UL/ULC 252A dated February 28, 2025 includes the following changes in requirements:

> ***– Removing MPS gas from the standard and clarifying that the terms "LP-Gas" and "Propane" are interchangeable; 1.5, 5.3, Table 5.1, 5.8, 7.3, Table 16.1, 16.3 (deleted)***

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 16, 2024 and November 29, 2024.

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Standard for Compressed Gas Regulator Accessories

First Edition – July, 1991
Second Edition – June, 1996
Third Edition – November, 2003
Fourth Edition – September, 2010

Fifth Edition

October 27, 2022

This ANSI/CAN/UL/ULC Safety Standard consists of the Fifth Edition including revisions through February 28, 2025.

The most recent designation of ANSI/UL 252A as an American National Standard (ANSI) occurred on February 28, 2025. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

The Department of Defense (DoD) has adopted UL 252A on August 12, 2002. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

This standard has been designated as a National Standard of Canada (NSC) on February 28, 2025.

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Preface

This is the Fifth Edition of ANSI/CAN/UL/ULC 252A, Standard for Compressed Gas Regulator Accessories.

ULSE is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO). ULC Standards is accredited by 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 252A 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 Fifth Edition joint American National Standard and National Standard of Canada is based on, and now supersedes, the Fourth Edition of UL 252A.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

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 Compressed Gas Regulators and Accessories, TC 252.

This list represents the TC 252 membership when the final text in this standard was balloted. Since that time, changes in the membership may have occurred.

TC 252 Membership

Name	Represent	Interest Category	Region
Bob Carney	Western/Scott Fetzer co.	Producer	USA
John Dutton	Standards Individual	General Interest	Canada
Peter Fraley	Wika Instrument Corp.	Producer	USA

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Pierre LeGault	Integrated Review Services – Consulting	General Interest	Canada
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Jeff Prusko	UL Standards & Engagement	TC Project Manager – Non-voting	USA
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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 minimum requirements cover accessories intended for direct connection to the low or delivery pressure side of compressed gas regulators. These devices are not intended for direct connection to high storage cylinder pressures.

1.2 Accessories covered by these requirements are intended for use with compressed gases such as air, carbon dioxide, inert gases, fuel gases, nitrogen, nitrous oxide and oxygen.

1.3 The suitability of an accessory in combination with a compressed gas regulator shall be judged under the applicable requirements of the Standard for Compressed Gas Service, UL/ULC 252.

1.4 These requirements do not cover:

a) Flow characteristics;

b) The physiological effects of accessories to be used with medical gases;

c) Accuracy of pressure gauges and flow indicators; nor

d) Accessories that are covered by other UL standards.

1.5 For the purposes of this standard the terms “LP-Gas” and “Propane” are interchangeable.

2 Reference Publications

2.1 The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the most recent edition and/or revisions of the document at the date on which the Committee approved this UL/ULC Standard.

ANSI/ASME B1.20.1, *Standard for Pipe Threads, General Purpose (Inch)*

ASME B1.20.3, *Standard for Dryseal Pipe Threads*

ASTM B117, *Standard Practice for Operating Salt Spray (Fog) Testing Apparatus*

ASTM D471, *Standard Test Method for Rubber Property-Effect of Liquids*

ASTM D572, *Standard Test Method for Rubber Deterioration by Heat and Oxygen*

ASTM E145, *Standard Specification for Gravity-Convection and Forced-Ventilation Ovens*

CGA E-1, *Standard for Rubber Welding Hose and Hose Connections for Gas Welding, Cutting and Allied Processes*

UL/ULC 252, *Compressed Gas Service*

UL 1642, *Lithium Batteries*

UL 2054, *Household and Commercial Batteries*

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