



UL 1769

STANDARD FOR SAFETY

Cylinder Valves

UL Standard for Safety for Cylinder Valves, UL 1769

Fifth Edition, Dated June 25, 2015

Summary of Topics

This revision of ANSI/UL 1769 dated January 8, 2025 includes the following changes in requirements:

- **Remove MAPP References;** [3.1](#), [4.5](#), [7.14](#), [Table 22.1](#)
- **Editorial Updates;** [1.2](#), [1.3](#), [2.3](#), **Section 2A**, [3.4](#), [5.7](#), [8.1](#) – [9.3](#), [12.1](#), [12.2](#), [17.6](#), [19.1](#) – [20.2](#), [21.2](#), [22.2](#), [23.2.1](#), [25.3](#), [29.3](#), [30.2](#), [30.8](#), **Appendix A**
- **Alternate Connections** [3.4](#), [30.4A](#)

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 October 18, 2024.

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JUNE 25, 2015
(Title Page Reprinted: January 8, 2025)



ANSI/UL 1769-2025

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UL 1769

Standard for Cylinder Valves

First Edition – April, 1989
Second Edition – May, 1996
Third Edition – February, 2003
Fourth Edition – June, 2006

Fifth Edition

June 25, 2015

This ANSI/UL Standard for Safety consists of the Fifth edition including revisions through January 8, 2025.

The most recent designation of ANSI/UL 1769 as an American National Standard (ANSI) occurred on January 8, 2025. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

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INTRODUCTION

1 Scope

1.1 These requirements cover shut-off valves, with or without relief valve, that are for use on cylinders that comply with the specifications and charging and maintenance regulations of the U.S. Department of Transportation (DOT) or the corresponding specifications and regulations of Transport Canada (TC).

1.2 Valves covered by these requirements are for use on DOT or TC cylinders used for flow of gas into and out of the cylinder, in applications such as, but not limited to, automotive, medical, or industrial systems, vehicles, facilities, or providing fuel to buildings or appliances, and as covered in the following standards:

- a) Liquefied Petroleum Gas Code, NFPA 58;
- b) Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes, NFPA 51;
- c) Safety Requirements for the Storage and Handling of Anhydrous Ammonia – See CGA G-2.1;
- d) Safety in Welding, Cutting, and Allied Processes, AWS Z49.1; and
- e) Health Care Facilities, NFPA 99.

1.3 Gas-line shut-off valves, other shutoff valves used on ASME containers, filler valves, excess flow check valves, for use with liquefied petroleum gases or anhydrous ammonia are covered by the requirements in the Standard for Flow Control Valves for Anhydrous Ammonia and LP-Gas, UL/ULC 125.

1.4 Gas-line shut-off valves for use with flammable gases are covered by the requirements in the Standard for Valves for Flammable Fluids, UL 842.

1.5 Gas-line shutoff valves for compressed gases, other than those described in [1.3](#) and [1.4](#), are covered by the requirements in Outline of Investigation for Compressed Gas Shutoff Valves, UL 1477.

1.6 The type of refrigerant used in the system shall comply with the Standard for Refrigerants, UL 2182.

2 General

2.1 Components

2.1.1 Except as indicated in [2.1.2](#), a component of a product covered by this standard shall comply with the requirements for that component. See Appendix [A](#) for a list of standards covering components generally used in the products covered by this standard.

2.1.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or
- b) Is superseded by a requirement in this standard.

2.1.3 A component shall be used in accordance with its rating established for the intended conditions of use.