



# UL 1468

## STANDARD FOR SAFETY

### Direct Acting Pressure Reducing and Pressure Restricting Valves

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UL Standard for Safety for Direct Acting Pressure Reducing and Pressure Restricting Valves, UL 1468  
Fifth Edition, Dated May 9, 2016

### **Summary of Topics**

***This new edition of UL 1468 includes the following changes in requirements: Addition of end connection and outlet pressure/flow requirements, revised title in Section 7, revised 7.1, 7.2, and Table 10.1, new 7.4.***

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated March 4, 2016.

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May 9, 2016

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ANSI/UL 1468-2016

UL 1468

**Standard for Direct Acting Pressure Reducing and Pressure Restricting  
Valves**

The first and second editions were titled Direct-Acting Pressure-Reducing and Pressure-Control Valves for Fire-Protection Service.

First Edition – January, 1985

Second Edition – May, 1991

Third Edition – May, 1995

Fourth Edition – May, 2004

**Fifth Edition**

**May 9, 2016**

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

The most recent designation of ANSI/UL 1468 as an American National Standard (ANSI) occurred on May 9, 2016. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, or Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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## INTRODUCTION

### 1 Scope

1.1 These requirements cover direct-acting pressure-reducing and pressure restricting valves intended to reduce the water pressure in standpipe systems or in the supply piping for sprinkler systems. These requirements also cover pressure reducing valves that can be used as an indicating control valve in a sprinkler system.

1.2 The valves covered by these requirements are intended for use in:

- a) Standpipe systems installed in accordance with the Standard for Installation of Standpipe and Hose Systems, NFPA 14; or
- b) Sprinkler systems installed in accordance with the Standard for Installation of Sprinkler Systems, NFPA 13.

1.3 The valves covered by these requirements are intended to be inspected, tested and maintained in accordance with the Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, NFPA 25.

1.4 Direct-acting pressure-reducing and pressure restricting valves covered by these requirements include the following patterns and sizes:

- a) Angle Patterns for Standpipe Use – Inlet and outlet openings having nominal diameters of 1, 1-1/2, 2-1/2, or 3 NPS.
- b) Angle Patterns for Sprinkler Systems – Sizes greater than 1 NPS.
- c) Straightway Pattern for Standpipe Use – Inlet and outlet openings having nominal diameters of 1, 1-1/2, 2-1/2, or 3 NPS.
- d) Straightway Patterns for Sprinkler Systems – Sizes greater than 1 NPS.

### 2 Components

2.1 Except as indicated in 2.2, 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.

2.2 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.