



UL 401

STANDARD FOR SAFETY

Portable Spray Hose Nozzles for Fire-Protection Service

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UL Standard for Safety for Portable Spray Hose Nozzles for Fire-Protection Service, UL 401

Fourth Edition, Dated April 27, 2004

Summary of Topics

This revision of ANSI/UL 401 is being issued to reflect the reaffirmation of ANSI approval. No changes in requirements have been made.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin. Changes in requirements are marked with a vertical line in the margin and are followed by an effective date note indicating the date of publication or the date on which the changed requirement becomes effective.

The revisions dated December 18, 2012 include a reprinted title page (page 1) for this standard.

The requirements are substantially in accordance with Proposal(s) on this subject dated October 26, 2012.

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UL 401

Standard for Portable Spray Hose Nozzles for Fire-Protection Service

First Edition – May, 1978
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Third Edition – August, 1993

Fourth Edition

April 27, 2004

This ANSI/UL Standard for Safety consists of the Fourth edition including revisions through December 18, 2012.

The most recent designation of ANSI/UL 401 as a Reaffirmed American National Standard (ANS) occurred on December 18, 2012. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

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 portable spray hose nozzles intended for use with fire department equipment and for use with fire hose mounted on standpipe systems.

1.2 Requirements for the installation and use of hose nozzles are included in the Standard for Standpipe, Private Hydrants, and Hose Systems, NFPA 14, and in the Standard for the Care, Use, and Service Testing of Fire Hose, Including Connections and Nozzles, NFPA 1962.

1.3 Nozzles covered by these requirements include trade sizes of 3/4-, 1-, 1-1/2-, and 2-1/2-inch, or as determined by trade sizes of a hose or coupling or both. Nozzles may be basic spray, constant flow (gallage), or constant pressure types.

1.4 Nozzles are rated for use at an inlet pressure of 100 psi (689 kPa) or higher.

1.5 Nozzles are investigated for use on:

- a) Class A and B fires; or
- b) Class A, B, and C fires.

1.6 Nozzles are intended for use with either rubber-lined hose or unlined hose.

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.

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

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.