



UL 852

# Underwriters Laboratories Inc. Standard for Safety

## Metallic Sprinkler Pipe for Fire Protection Service



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UL Standard for Safety for Metallic Sprinkler Pipe for Fire Protection Service, UL 852

Second Edition, Dated October 1, 2008

### **Summary of Topics**

***This new revision of ANSI/UL 852 includes the following changes:***

#### ***1. Clarification of Requirements for the Vibration Test in Paragraph 15.1***

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 revised requirements are substantially in accordance with Proposal(s) on this subject dated May 14, 2010.

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**UL 852**

**Standard for Metallic Sprinkler Pipe for Fire Protection Service**

First Edition – July, 2005

**Second Edition**

**October 1, 2008**

This ANSI/UL Standard for Safety consists of the Second Edition including revisions through July 26, 2010.

The most recent designation of ANSI/UL 852 as an American National Standard (ANSI) occurred on July 26, 2010. 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 metallic pipe intended for use in water based fire protection systems for water distribution or valve trim applications. These pipes may be used in fire protection systems when installed in accordance with the following Standards:

- a) Standard for Installation of Sprinkler Systems, NFPA 13;
- b) Standard for Installation of Sprinkler Systems in Residential Occupancies up to Four Stories in Height, NFPA 13R;
- c) Standard for Installation of Sprinkler Systems in One- and Two- Family Dwellings and Manufactured Homes, NFPA 13D;
- d) Standard for Installation of Standpipe, Private Hydrants, and Hose Systems, NFPA 14;
- e) Standard for Water Spray Fixed Systems, NFPA 15;
- f) Standard for Installation of Foam-Water Spray Systems, NFPA 16; and
- g) Standard on Water Mist Fire Protection Systems, NFPA 750.

1.2 Pipe is categorized by size, pressure rating, end configuration, (threaded or unthreaded) and wall thickness designation. Steel pipe is also categorized by the Corrosion Resistance Ratio (CRR).

### 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.

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.