



UL 19

STANDARD FOR SAFETY

Lined Fire Hose and Hose Assemblies

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UL Standard for Safety for Lined Fire Hose and Hose Assemblies, UL 19

Fourteenth Edition, Dated August 13, 2018

SUMMARY OF TOPICS

This revision of ANSI/UL 19 dated February 2, 2024 includes the following changes in requirements:

– Additional Fire Hose Trade Sizes, Internal and Outside Diameter Requirements, Additional Hose Pressure Options, Product Specification Sheet Requirements, and Other Clarifications/Corrections; [1.1](#), [4.1A](#), [4.3](#), [Section 5A](#), [11.1.1](#), [Table 11.1](#), [14.1.1](#), [Table 14.1](#), [Table 14.2](#), [16.1.1](#), [16.3.1](#), [17.4.1](#), [Table 22.1](#), [22.2.1](#), [27.5.1](#), [37.1.3](#), [37.2.3](#), [37.4.7](#), [37.5.2](#), [38.1.2](#), [38.2.3](#), [38.4.1](#), [38.4.3](#), [38.5.2](#), [Section 38A](#), [39.2](#), [Section 41](#) and [C.3.1](#)

– Editorial revisions; [Section 3](#), [10.2](#), [11.1.1](#), [16.3.1](#), [18.3.1](#), [22.3.1](#), [23.3.1](#), [25.3.1](#), [25.3.4](#), [25.3.5](#), [25.3.6](#), [25.4.1](#), [25.4.3](#), [25.4.7](#), [26.3.1](#), [27.1.1](#), [27.4.1](#), [31.4.1](#), [32.1.1](#), [32.3.1](#), [32.4.1](#), [32.4.2](#), [34.2.1](#), [34.3.1](#), [34.4.1](#) and [40.2.1](#)

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The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated August 25, 2023 and December 22, 2023.

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Fourteenth Edition

August 13, 2018

This ANSI/UL Standard for Safety consists of the Fourteenth Edition including revisions through February 2, 2024.

The most recent designation of ANSI/UL 19 as an American National Standard (ANSI) occurred on February 2, 2024. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

The Department of Defense (DoD) has adopted UL 19 on April 5, 1999. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

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

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INTRODUCTION

1 Scope

1.1 These requirements cover single- and multiple-jacketed lined fire hose with or without couplings attached, in the trade sizes of 1-1/2, 1-3/4, 2, 2-1/4, 2-1/2, 2-3/4, 3, 3-1/2, 4, 4-1/2, 5, and 6 inch (38, 45, 51, 57, 65, 70, 76, 89, 102, 114, 127, and 152 mm nominal ID). Single-jacketed hose is intended for service test pressures of 150 psig (1035 kPa) and above in 25 psig (170 kPa) increments. Multiple-jacketed hose or covered hose judged equivalent to multiple-jacketed hose is intended for service test pressures of 200 psig (1380 kPa) and above in 25 psig (170 kPa) increments.

1.2 These products are intended for municipal and industrial fire protection purposes. Single-jacketed hose is for use at fire hydrants, standpipes, and similar places. They are not intended for hard usage nor where the hose will be subjected to chafing on rough or sharp surfaces. Multiple-jacketed hose or covered hose judged equivalent to multiple-jacketed hose are for use on pumpers and in places where service conditions require the additional protection against wear afforded by the extra woven jacket or cover.

1.3 The products covered by these requirements are intended to be periodically inspected and maintained while in service, as outlined in the Standard for the Care, Use, Inspection, Service Testing and Replacement of Fire Hose, Couplings, Nozzles, and Fire Hose Appliances, NFPA 1962.

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

3 Referenced Publications

3.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

3.2 The following publications are referenced in this Standard:

ASTM B30, *Standard Specification for Copper Alloys in Ingot and Other Remelt Forms*

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

ASTM B584, *Standard Specification for Copper Alloy Sand Castings for General Applications*

ASTM D395, *Standard Test Methods for Rubber Property – Compression Set*

ASTM D412, *Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension*

ASTM D573, *Standard Test Method for Rubber – Deterioration in an Air Oven*

ASTM D1149, *Standard Test Methods for Rubber Deterioration – Cracking in an Ozone Controlled Environment*

ASTM D3183, *Standard Practice for Rubber – Preparation of Pieces for Test Purposes from Products*

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

NFPA 1961, *Standard on Fire Hose*