CAN/ULC-S522-07-R2019
(Reaffirmed 2019)

STANDARD FOR FIRE EXTINGUISHER AND BOOSTER HOSE

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The intended primary application of this standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for the particular application.

Copies of this National Standard of Canada may be ordered from ULC Standards.

CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS FRANÇAISE ET ANGLAISE

Standard for Fire Extinguisher and Booster Hose, CAN/ULC-S522

Second Edition, Dated August 2014

Summary of Topics

This revision of CAN/ULC-S522 is being issued to update the title page to reflect the reaffirmation of this Second Edition National Standard of Canada. No changes in requirements are involved.

The requirements are substantially in accordance with Proposal(s) on this subject dated March 8, 2019.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD. IN THOSE INSTANCES, THE RELEVANT VERSIONS ARE AVAILABLE FOR PURCHASE.

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STANDARD FOR FIRE EXTINGUISHER AND BOOSTER HOSE

ICS 13.220.10

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Conseil canadien des normes

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Reaffirmed . . . . . August 2014
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PREFACE

This is the Reaffirmation of the Second Edition of the Standard for Fire Extinguisher and Booster Hose, CAN/ULC-S522.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Portable Fire Extinguishers.

This Standard has been developed in compliance with the requirements of Standards Council of Canada (SCC) for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Reaffirmed Second Edition National Standard of Canada is based on, and now supersedes, the First Edition.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

This CAN/ULC-S522 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

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

This Standard is intended to be used for conformity assessment.

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1 SCOPE

1.1 These requirements cover hose in nominal internal diameter sizes of 8 mm up to and including 32 mm for use on portable and wheeled fire extinguishers, hand hose line fixed extinguishing systems, and also as booster hose on fire apparatus.

1.2 Fire extinguisher, hand hose line system and booster hose covered by these requirements is intended for use at a maximum working pressure of 1400, 2800, 4200, 5600, 7000, or 8750 kPa (gauge) at a minimum temperature of –40 °C.

1.3 These requirements also cover hose for use at –54 °C.

1.4 These requirements also cover hose designated as oil resistant.

1.5 These requirements do not cover couplings nor their method of attachment.

NOTE: Reference to each applicable Test Method for a requirement is indicated by the letters TM and the appropriate clause number in parenthesis in the right hand margin.

2 REFERENCE PUBLICATIONS

2.1 The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Committee approved this ULC Standard.

Documents Published by the American Society for Testing and Materials (ASTM)
100 Barr Harbour Drive, PO Box C700, West Conshohocken, PA 19428-2959 U.S.A.
Telephone: (610) 832-9585
www.astm.org

• ASTM D380-94 (R2012), Standard Test Methods for Rubber Hose

• ASTM D412-98 (R2013), Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension

• ASTM D413-98 (R2013), Standard Test Methods for Rubber Property – Adhesion to Flexible Substrate

• ASTM D573-04 (R2010), Standard Test Method for Rubber-Deterioration in an Air Oven

• ASTM D1149-07 (R2012), Standard Test Methods for Rubber Deterioration – Cracking in an Ozone Controlled Environment

• ASTM D3183-10, Standard Practice for Rubber – Preparation of Pieces for Test Purposes from Products

3 CONSTRUCTION

3.1 GENERAL

3.1.1 Hose shall consist of an elastomeric tube, a reinforcement, and an elastomeric cover.

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TM 5.1