CAN/ULC-S520:2016-REV3
(Including Revision 3)

STANDARD FOR FIRE HYDRANTS

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

Standard for Fire Hydrants, CAN/ULC-S520

Third Edition, Dated June 1, 2016

Summary of Topics

This March 6, 2020 revision of CAN/ULC-S520:2016 contains an editorial correction to the ICS code on the title page.

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.

PLEASE NOTE THAT CERTAIN CODES MAY REFER TO A SUPERSEDED VERSION OF THIS STANDARD.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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CAN/ULC-S520:2016-REV3

STANDARD FOR FIRE HYDRANTS

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PREFACE

This is the Third Edition of the Standard for Fire Hydrants, CAN/ULC-S520.

This Edition of the Standard has been formally approved by the ULC Standards Committee on Fire Protection Equipment and Systems

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 of measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendices A and B, identified as informative, are for information purposes only.

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 Third Edition National Standard of Canada is based on, and now supersedes, the Second 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-S520 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 This Standard covers dry *barrel* type *hydrants* intended for use in piping systems supplying water for fire protection service.

1.2 *Hydrants* shall be designed for a minimum working pressure of 1000 kPa.

1.3 *Hydrants* of special design, including those having built in hose gates are not covered by this Standard.

1.4 *Hydrants* with replaceable sections or components that are specially designed with lower breaking points than the rest of the unit are not explicitly covered in this Standard. Except for the specially designed breakable sections or components, however, such *hydrants* shall conform to all other requirements of this Standard.

1.5 This Standard does not cover wet *barrel* type *hydrants*. Wet *barrel* type *hydrants* are excluded from coverage by this standard due to the freezing concerns.

1.6 References to the setting and drainage of *hydrants* are not included in this Standard.

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 National Standards Institute/American Water Works Association (ANSI/AWWA)
11 West 42nd Street, New York, NY 10036 U.S.A.
Telephone: (212) 642-4900
www.ansi.org, www.awwa.org

• C110/A21.10-12, Ductile-Iron and Gray-Iron Fittings
• C111/A21.11-12, Rubber-Gasket Joints for Ductile Iron and Fittings
• C550-13, Protective Interior Coatings for Valves and Hydrants

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

• ASTM E145-94(2011), Standard Specification for Gravity-Convection and Forced-Ventilation Ovens

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• CAN/ULC-S5430-09-AM1, Standard for Internal Lug Quick Connect Couplings for Fire Hose

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