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ULC/ORD-C536-98 (R2018)

FLEXIBLE METALLIC HOSE

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FLEXIBLE METALLIC HOSE

ICS 75.200; 75.160.30

First Edition . . . . . **October 1998**
REAFFIRMED . . . . . MAY 2018

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FOREWORD

Certification organizations are periodically requested to promptly provide certification services for devices, constructions, materials and systems where Canadian recognized Standards do not currently exist or are not entirely applicable. Accordingly, the certification organization utilizes its experience, existing specifications and requirements in related areas, together with assistance from its advisory councils to develop and prepare Other Recognized Documents (ORDs) for use in conducting the necessary tests and evaluation investigation.

Underwriters Laboratories of Canada has prepared many ORDs in response to requests from, and in conjunction with, industry, code writing bodies, regulatory agencies and others prior to promulgating a certification program. In many instances such documents have become published ULC Standards and subsequently National Standards of Canada. It is the intention of Underwriters Laboratories of Canada to continue this practice, as appropriate.

Comments on the content of this ORD should be directed to the Head Office of Underwriters Laboratories of Canada, 7 Underwriters Road, Toronto, Ontario, Canada, M1R 3A9.

NOTE: These Other Recognized Documents are accepted under the National Standards System of Canada. Reference may be made to the Document ″Guidelines for the Development and Maintenance of Other Recognized Documents (ORDs)″, published by the Standards Council of Canada located at 55 Metcalfe Street, Suite 600, Ottawa, Ontario, Canada, K1P 6L5.

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FLEXIBLE METALLIC HOSE

PREFACE

This is the First Edition of the Other Recognized Document for Flexible Metallic Hose, ULC/ORD-C536-98 (R2018).

Only metric SI units of measurement are used in this ORD. 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 First Edition ORD has now been Reaffirmed.

Attention is drawn to the possibility that some of the elements of this ORD may be the subject of patent rights. Neither Underwriters Laboratories of Canada, nor ULC Standards, shall be held responsible for identifying any or all such patent rights.

Requests for interpretation of this ORD should be sent to the ULC Mark Program Owner of Underwriters Laboratories of Canada. 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.

ORDs are valid for use by Certification Bodies for certifications for up to 5 years from date of initial validation, or revalidation, unless superseded or withdrawn.

This ORD is intended to be used for conformity assessment.

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1 . SCOPE

1.1 These requirements cover flexible metallic hoses having nominal inside diameters of not more than 100 mm, intended for use in piping systems carrying designated liquefied and compressed gases, including anhydrous ammonia, and flammable and combustible liquids, at pressures not exceeding 3 450 kPa and temperatures not greater than 230^{0}C nor lower than minus 40^{0}C.

1.2 These requirements do not apply to gas appliance connectors for handling fuel gases at 35 kPa or less nor to metallic hose intended for use in oil transportation, petroleum refinery, or gas transmission and distribution piping systems.

1.3 Flexible metallic hoses covered by these requirements are intended for aboveground and underground installations in accordance with the applicable sections of the following Codes:

A National Fire Code of Canada;

B Installation Code for Oil Burning Equipment, CSA B139;

C The Environmental Codes of Practice for Aboveground and Underground Storage Tank Systems containing Petroleum and Allied Products;

D E Natural Gas Installation Code, CAN/CGA-B149.1;

E Propane Installation Code, CAN/CGA-B149.2; and

F Regulations of the appropriate Authority Having Jurisdiction.

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