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ULC/ORD-C144-75 (R2018)

GUIDE FOR THE INVESTIGATION OF PRESSURE-REGULATING VALVES

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GUIDE FOR THE INVESTIGATION OF PRESSURE-REGULATING VALVES

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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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GUIDE FOR THE INVESTIGATION OF PRESSURE-REGULATING VALVES

PREFACE

This is the First Edition of the Other Recognized Document for Guide For The Investigation Of Pressure-Regulating Valves, ULC/ORD-C144-75 (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.

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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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In Replying Please Refer to ULC Subject C144-1975

GUIDE

FOR

THE INVESTIGATION

OF

PRESSURE-REGULATING VALVES

GENERAL

1. Scope

1.1 These requirements cover pressure regulators for use with LP-Gas equipment other than automotive. They are not intended to cover regulators for utility gas plants or petroleum refineries, chemical process uses, or regulators for use in gas-welding and cutting operations.

1.2 Regulators covered by these requirements are intended for use in nonrefrigerated systems in accordance with the Installation Code for Propane Burning Appliances and Equipment, CGA B149.2.

1.3 Regulators for use in gas-welding and cutting operations or systems are not covered by these requirements.

1.4 Devices covered by these requirements are of two types, commonly known as Low-Pressure Regulators and High-Pressure Regulators.

1.5 LOW-PRESSURE REGULATORS are those designed for handling LP-Gas in the gaseous phase only, and for reducing the prevailing cylinder, tank, or other pressure in excess of 1 pound per square inch (psi) to a pressure of 1 psi or less. These regulators are commonly used for single-stage pressure-reduction service, or as second-stage regulators in two-stage pressure-reduction systems. Regulators for second-stage service only are intended for use at inlet pressures not in excess of 20 psi.

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