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ULC/ORD-C125-92 (R2018)

VALVES FOR ANHYDROUS AMMONIA AND PROPANE (OTHER THAN SAFETY RELIEF)

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ULC/ORD-C125-92 (R2018)

VALVES FOR ANHYDROUS AMMONIA AND PROPANE (OTHER THAN SAFETY RELIEF)

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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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VALVES FOR ANHYDROUS AMMONIA AND PROPANE (OTHER THAN SAFETY RELIEF)

PREFACE

This is the First Edition of the Other Recognized Document for Valves For Anhydrous Ammonia And Propane (Other Than Safety Relief), ULC/ORD-C125-92 (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 the following types of anhydrous ammonia and propane valves:

A Shutoff Valves;

B Excess Flow Valves;

C Back Pressure Check Valves;

D Filler Valves; and

E Vapor Return Valves.

1.2 Valves covered by these requirements are for use in systems and facilities covered in the following Standards:

A Storage and Handling of Anhydrous Ammonia, ANSI K61.1;

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

C Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants, NFPA No. 59.

1.3 These requirements do not cover shutoff valves of the type commonly referred to as "cylinder valves" used on containers constructed under Canadian Transport Commission (CTC) Specifications.

1.4 These requirements do not apply to propane valves for use on containers or in systems for the following:

A Refrigerated storage systems;

B Marine and pipeline terminals, chemical plants, natural gas processing plants, refineries or tank farms, where "tank farms" do not include storage at industrial locations.

1.5 These requirements do not apply to valves for anhydrous ammonia for use on containers or in systems for the following:

A Refrigerated storage systems;

B Ammonia manufacturing plants;

C Refrigeration plants where ammonia is used solely as a refrigerant;

D Ammonia transportation pipelines.

1.6 Except for such observations as may be necessary to ascertain performance characteristics, the assigning of pressure and/or flow capacity ratings is not within the scope of these requirements.

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