

OTHER
RECOGNIZED
DOCUMENT

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



Underwriters' Laboratories of Canada



Documents

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NOTE: It is important to note that it is the responsibility of the user of this document to judge its suitability for the particular application.

ULC/ORD-C125-1992

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

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UNDERWRITERS' LABORATORIES OF CANADA



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FOREWORD

Certification organizations are periodically called upon to respond promptly to a need to provide a certification service for devices, constructions, materials and systems for which no recognized standards of acceptance are available. Accordingly, the certification agency draws upon its experience, existing specifications and requirements in related areas, together with assistance from its advisory councils to develop and prepare an "Other Recognized Document" (ORD) for use in conducting the necessary tests and evaluation investigation.

Underwriters' Laboratories of Canada has over the years prepared many ORD's in response to requests from, and in conjunction with, industry, code writing bodies, regulatory agencies and others prior to inaugurating a certification programme. 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 Crouse Road, Scarborough, Ontario, CANADA, M1R 3A9.

NOTE: These Recognized Documents are accepted under the National Standards System of Canada. Reference may be made to the Document CAN-P-3, "Criteria and Procedures for Accreditation of Certification Organization" published by the Standards Council of Canada located at 45 O'Connor Street, Suite 1200, Ottawa, Ontario, CANADA, K1P 6N7.



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In Reply,
Please Refer to**ULC/ORD-C125-1992**

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

PREFACE

This is the First Edition of ULC/ORD-C125, entitled "Valves for Anhydrous Ammonia and Propane (Other Than Safety Relief)".

A product which complies with these requirements will not necessarily be acceptable if, when examined and tested, it is found to have features not covered by the ORD which may impair the result contemplated by these requirements.

A product employing materials or having forms of construction differing from those detailed in these requirements may be examined and tested according to the intent of the requirements and, if found to be substantially equivalent, may be given recognition.

Units of measurement used in this document are Metric SI.



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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.