



PRELIMINARY STANDARD
FOR
FIRE HOSE RACK ASSEMBLIES

UNDERWRITERS' LABORATORIES OF CANADA

**PRELIMINARY STANDARD
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In Reply
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PRELIMINARY STANDARD

FOR

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FOREWORD

These requirements are based upon sound engineering principles, research, records of tests and field experience, and an appreciation of the problems of manufacture, installation, and use derived from consultation with and information obtained from manufacturers, users, inspection authorities, and others having specialized experience. They are subject to revision as further experience and investigation may show is necessary or desirable.

A product which complies with these requirements will not necessarily be eligible for Listing if, when examined and tested, it is found to have other features which 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 Listed.

1. SCOPE

- 1.1 These requirements cover semiautomatic hose rack assemblies and component parts for such assemblies intended for use in controlling incipient fires by occupants of buildings or those untrained in handling fire streams.
- 1.2 Requirements for the installation, use, and care of hose racks and fire hose include the Standards of the National Fire Protection Association for Standpipes and Hose Systems, NFPA No. 14-1971, and for Care of Fire Hose, NFPA No. 198-1972; and the Standard of Underwriters' Laboratories of Canada for Unlined Fire Hose, ULC-S506 (formerly ULC-18) and the Laboratory Requirements of Underwriters' Laboratories of Canada for Woven-Jacketed Rubber-Lined Fire Hose, ULC Subject C19.
- 1.3 These requirements do not cover rack assemblies employing fire hose having a diameter larger than 1-1/2 inches or equipped with more than 100 feet of fire hose.

2. GLOSSARY

- 2.1 For the purpose of these Laboratory Requirements the following definitions apply.
 - A. SERVICE PRESSURE - The gauge pressure in pounds per square inch (psi) available at the standpipe to which the hose rack assembly will be connected.
 - B. WORKING PRESSURE - The gauge pressure in pounds per square inch (psi) available at the nozzle end of the fire hose.
 - C. FULL FLOW CONDITIONS - The flow rate developed by the hose rack assembly at the rated service pressure when employing a 50 foot length of fire hose with the nozzle in a "fully open" position.