UL 1254

STANDARD FOR SAFETY

Pre-Engineered Dry Chemical Extinguishing System Units

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UL Standard for Safety for Pre-Engineered Dry Chemical Extinguishing System Units, UL 1254

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Summary of Topics

This revision of ANSI/UL 1254 is being issued to update commercial grade heptane specifications.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated July 28, 2017.

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February 21, 2013

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The most recent designation of ANSI/UL 1254 as an American National Standard (ANSI) occurred on September 7, 2017. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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APPENDIX A

Standards for Components. A1

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INTRODUCTION

1 Scope

1.1 These requirements cover the construction and operation of fixed pre-engineered dry chemical fire extinguishing system units and fixed automatic extinguisher units intended to be used in accordance with the Standard for Dry Chemical Extinguishing Systems, NFPA 17.

1.2 Automatic extinguisher units do not have a manual means of operation and are intended to be used in accordance with the manufacturer's installation instructions. Automatic extinguisher units are not intended for use as a substitute for pre-engineered dry chemical extinguishing system units, or for protection of fire risks larger than those specified in the manufacturer's instructions for a single unit by using multiple units.

1.3 Pre-engineered dry chemical extinguishing system units covered by these requirements are intended to be used in the following fire protection systems:

a) Industrial Total Flooding Protection System – A system arranged to discharge dry chemical throughout the intended protected volume. See Fire Test – Total Flooding Protection System, Section 26.

b) Class B Local Application Protection System – A system arranged to discharge dry chemical directly onto a specific area of protection. This application of chemical is normally used where no fixed enclosure exists or an extinguishing system is unable to totally flood the fixed enclosure to achieve extinguishment. See Fire Test – Class B Local Application Protection System, Section 27.

c) Commercial Cooking Equipment Protection System – A system arranged to discharge dry chemical onto cooking surfaces of cooking appliances and into hood and duct systems used for ventilation of commercial cooking appliances. See the Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment, UL 300.

d) Automobile Service Station Fueling Area Protection System – A system arranged to discharge dry chemical directly onto small spill fires that originate and are maintained within the protected area. See Fire Test – Automobile Service Station Fueling Area Protection System, Section 28.

e) Open-Face Paint Spray Booth Protection System – A system arranged to discharge dry chemical into paint spray working areas and into the plenum and duct systems used for ventilation of paint spraying operations. See Fire Test – Open-Face Point Spray Booth Protection System, Section 29.

f) Vehicle Paint Spray Booth – A system arranged to discharge dry chemical into paint spray working areas and onto the plenum and duct systems used for ventilation of paint spraying operations. See Fire Test – Vehicle Paint Spray Booth Protection System, Section 30.

g) Off-the-Road Vehicle Protection System – A system arranged to discharge dry chemical onto fire risk areas and into volumes of vehicles such as aboveground mobile mining equipment, and mobile earthmoving equipment. See Fire Test – Total Flooding Protection System, Section 26, and/or Fire Test– Class B Local Application Protection System, Section 27, as applicable.

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2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this standard.

2.2 A component is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or

b) Is superseded by a requirement in this standard.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

3.2 Where these requirements reference extinguishing system unit or units, the requirements also apply to automatic extinguisher units unless specifically noted otherwise.

4 Undated References

4.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

5 Glossary

5.1 For the purpose of these requirements, the following definitions apply.

5.2 AUTOMATIC EXTINGUISHER UNIT – A unit that has no manual means of actuation and discharges extinguishing agent upon thermal actuation is intended for use in a normally unoccupied space and is limited to a single protected area.

5.3 AUTOMOBILE SERVICE STATION FUELING AREA PROTECTION DEFINITIONS:

a) ISLAND – A raised portion of the service station protection area where the fuel dispensing devices are located.

b) PARKING AREA – The area immediately adjacent to the island where automobiles are parked for purposes of fueling.

c) GROUNDSWEEP PROTECTION – Protection that is achieved by nozzles that are installed near the ground and discharge dry chemical parallel to the protected surface.

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