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REPORT

on

EARLY-SUPPRESSION FAST-RESPONSE (ESFR) SPRINKLERS

Viking Corp.
Hastings, MI

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GENERAL

INTRODUCTION:

This Report describes the investigation of Early-Suppression Fast-Response (ESFR) Sprinklers intended to be installed in accordance with the National Fire Protection Association Standard for the Installation of Sprinkler Systems, NFPA 13.

OBJECT:

The object of this investigation was to determine compliance of the ESFR sprinkler with the Standard for Early-Suppression Fast-Response Sprinklers for Fire Protection Service, UL 1767.

PLAN:

The investigation of the ESFR sprinklers consisted of conducting a product conformance evaluation and performance testing as described in UL 1767.

DESCRIPTION

PRODUCT COVERED:

USL, CNL SIN VK500, pendent **14.0** "K-Factor," 3/4 in. NPT inlet, fusible link type, heat responsive element, 165°F temperature rated sprinklers have a maximum pressure of 175 psig and a minimum pressure of 50 psig for wet systems only.

USL SIN VK501, dry pendent 14.0 "K-Factor," 1-1/2 in. NPT inlet, fusible link type, heat responsive element, 165°F temperature rated sprinklers have a maximum pressure of 175 psig with a 36-in. length for use in storage to 35-ft. high in buildings with a maximum ceiling height of 40-ft.

CONSTRUCTION DETAILS:

The devices have been examined and found to comply with the Standard for Early-Suppression Fast-Response Sprinklers for Fire Protection Service, **UL1767 and the Standard for Automatic Sprinklers for Fire Protection Service, UL199 as applicable** in effect as of the date of this Report.

USE:

The product(s) covered by this Report are for use in accordance with the National Fire Protection Association Standard for the Installation of Sprinkler Systems, NFPA 13.

CNL indicates Listing to Canadian National Standard.

CONCLUSION

Samples of the products covered by this Report have been found to comply with the requirements covering the category and the products are judged to be eligible for Listing and Follow-Up Service. The manufacturer is authorized to use the UL Mark on such products which comply with the Follow-Up Service Procedure and any other applicable requirements of Underwriters Laboratories Inc. Only those products which properly bear the UL Mark are considered as Listed by Underwriters Laboratories Inc.

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