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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 "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.

CONSTRUCTION DETAILS:

The devices have been examined and found to comply with the Standard for Early-Suppression Fast-Response Sprinklers for Fire Protection Service, UL 1767, 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.

TEST RECORD INDEX

Description	Test Record
SIN VK500 14 K-factor Pendent ESFR rated 165°F	1
The VK500 ESFR sprinkler with new support, trigger, pip-cap and 205°F link	2
SIN VK500 utilizing alternate anaerobic adhesive	***3***

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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