



the standard in safety

Underwriters  
Laboratories

File Ex643  
Project 02NK46059  
Project 04NK7979  
**Project 06NK09804**

Issued: October 21, 2003  
Revised: January 4, 2008

REPORT

on

Automatic Sprinklers

The Viking Corporation  
Hastings, MI

Copyright © 2003 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

GENERAL

INTRODUCTION:

This Report describes the investigation of automatic 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 automatic sprinklers with the Standard For Automatic Sprinklers For Fire Protection Service, UL 199.

PLAN:

The investigation of the automatic sprinklers consisted of conducting a product conformance evaluation and performance testing as described in UL 199, 11<sup>th</sup> Edition.

## DESCRIPTION

## PRODUCT COVERED:

Automatic Sprinklers of the fusible link type of the following types and temperature ratings.

	Model	Description	Remarks
USL, CNL	VK301	Upright style, 5.6 K-factor	Rated 165, 205 and 286°F
USL, CNL	VK303	Pendent style, 5.6 K-factor	Rated 165, 205 and 286°F
USL, CNL	VK307	Horizontal Sidewall Style, 5.6 K	Rated 165, 205 and 286°F
USL, CNL	VK308	Horizontal Sidewall Style, 5.6 K, Light and Ordinary Hazard	Rated 165, 205 and 286°F
USL, CNL	VK311	Conventional Style, 5.6 K	Rated 165, 205 and 286°F
USL, CNL	VK316	Upright Style, 5.6 K 250 psig Rated	Rated 165, 205 and 286°F
USL, CNL	VK318	Pendent Style, 5.6 K 250 psig Rated	Rated 165, 205 and 286°F
USL, CNL	VK320	Horizontal Sidewall Style, 5.6 K 250 psig Rated	Rated 165, 205 and 286°F
USL, CNL	VK326	Upright Style, 2.8 K	Rated 165, 205 and 286°F
USL, CNL	VK328	Upright Style, 4.2 K	Rated 165, 205 and 286°F
USL, CNL	VK330	Pendent Style, 2.8 K	Rated 165, 205 and 286°F
USL, CNL	VK332	Pendent Style, 4.2 K	Rated 165, 205 and 286°F
USL, CNL	VK334	Horizontal Sidewall Style, 2.8 K	Rated 165, 205 and 286°F
USL, CNL	VK341	Upright Style, 2.8 K 250 psig Rated	Rated 165, 205 and 286°F
USL, CNL	VK343	Pendent Style, 2.8 K 250 psig Rated	Rated 165, 205 and 286°F
USL, CNL	VK346	Horizontal Sidewall Style, 2.8 K 250 psig Rated	Rated 165, 205 and 286°F
USL, CNL	VK351	Upright Style, 8.0 K	Rated 165, 205 and 286°F
USL, CNL	VK353	Pendent Style, 8.0 K	Rated 165, 205 and 286°F
USL, CNL	VK355	Conventional Style, 8.0 K	Rated 165, 205 and 286°F
USL, CNL	VK533	Upright Style, 11.2 K Area Density	Rated 165, 205 and 286°F
USL, CNL	VK535	Upright Style, 11.2 K Extended Coverage Ordinary Hazard	Rated 165 and 205°F
USL, CNL	VK537	Pendent Style, 11.2 K Extended Coverage Ordinary Hazard	Rated 165 and 205°F
USL, CNL	VK551	Upright Intermediate Level Style, 5.6 K	Rated 165, 205 and 286°F
USL, CNL	VK601, VK603, VK607	Pendent Style, 5.6 K Extended Coverage light Hazard	Rated 165 and 205°F
USL, CNL	VK609	Horizontal Sidewall Style, 5.6 K Extended Coverage light Hazard	Rated 165 and 205°F
USL, CNL	VK609	Horizontal Sidewall Style, 5.6 K Extended Coverage light Hazard	Rated 165 and 205°F
USL, CNL	VK611	Pendent Style, 5.6 K Extended Coverage light Hazard, 250 psig Rated	Rated 165 and 205°F
USL, CNL	VK613	Horizontal Sidewall Style, 5.6 K Extended Coverage light Hazard, 250 psig Rated	Rated 165 and 205°F
USL, CNL	VK615	Horizontal Sidewall Style, 8.0 K Extended Coverage light Hazard	Rated 165 and 205°F

\*

CONSTRUCTION DETAILS:

The devices have been examined and found to comply with the Standard For Automatic Sprinklers in effect as of the date of this Report.

USE:

The products covered by this Report are for use in accordance with the National Fire Protection Association Standard For The Installation of Sprinkler Systems, NFPA 13, and the manufacturer's installation instructions See Fig. 1.