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Project 93NK25838  
Project 96NK30853  
\*Project 02NK09825

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REPORT

on

FIXED SPRAY TYPE NOZZLES

Viking Corporation  
Hastings, MI

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GENERAL:

INTRODUCTION:

This Report describes the investigation of spray nozzles intended to be installed in accordance with the National Fire Protection Association Standard for Water Spray Fixed Systems, NFPA 15.

OBJECT:

The object of this investigation was to determine compliance of the spray nozzles with the Standard For Spray Nozzles For Fire Protection Service, UL 2351.

PLAN:

The investigation of the fixed spray nozzles consisted of conducting a product conformance evaluation and performance testing as described in the First Edition of UL 2351.

D E S C R I P T I O N

PRODUCT COVERED:

USL, CNL Automatic Type, Model M, 1/4, 5/16, 3/8, 7/16 and 1/2 in. Orifice Automatic Spray Nozzles in the 135, 155, 175, 200 and 286°F temperature ratings, having 60, 90, 120 and 150° spray angles. The nozzles are available in plain brass and chrome-plated finishes.

FOR ENGINEERING CONSIDERATION ONLY:

CNL indicates investigation to Canadian National Standard ULC-C199.

CONSTRUCTION DETAILS:

The devices have been examined and found to comply with the Outline of Investigation for Spray Nozzles and 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 Water Spray Fixed Systems, NFPA 15, and the manufacturer's installation instructions. (See Figs. 1 through 4.)

TEST RECORD SUMMARY:

The results of this investigation indicate that the products evaluated comply with the applicable requirements and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Record By:  
JOHN R. SERPE  
Engineering Project Engineer

Reviewed by:  
GEORGE E. LAVERICK  
Engineering Group Leader

MICHAEL G. MC CORMICK  
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C O N C L U S I O N

Samples of the products covered by this Report have been found to comply with the requirements covering the class and the products are judged to be eligible for Listing and Follow-Up Service. The manufacturer is authorized to use the Laboratories' 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 Laboratories' Mark are considered as Listed by Underwriters Laboratories Inc.

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TEST RECORD NO. 1

Report by:  
STEVEN J. WISNIEWSKI  
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Reviewed by:  
GEORGE E. LAVERICK  
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\*TEST RECORD NO. 2

Report by:

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