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# APPROVAL REPORT

**MODEL VK106 AND VK114 BULB AND FUSIBLE TYPE  
CONTROL MODE VERTICAL SIDEWALL STANDARD  
RESPONSE AUTOMATIC SPRINKLERS WITH A  
NOMINAL DISCHARGE COEFFICIENT OF 5.6  
GAL/MIN/(PSI)<sup>1/2</sup> WITH A DEFLECTOR MATERIAL  
MODIFICATION**

**Prepared for:**

**The Viking Corporation  
210 North Industrial Park Road  
Hastings, MI 49058**

**Project ID: 3027801**

**Class: 2012**

**Date of Approval: 26 June 2007**

**Authorized by:**

  
Richard B. Dunne, Manager-Hydraulics Group

FM Approvals  
1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, MA 02062



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# APPROVAL REPORT

**SAND CAST FRAME, BULB TYPE, PENDENT AND UPRIGHT, STANDARD AND QUICK RESPONSE AUTOMATIC SPRINKLERS (VARIOUS MODELS) WITH NOMINAL DISCHARGE COEFFICIENTS OF 2.8 AND 5.6 GAL/MIN/(PSI)<sup>1/2</sup> IN PLAIN BRASS, CHROME, AND POLYESTER COATED FINISHES (MODIFICATION)**

**Prepared for:**

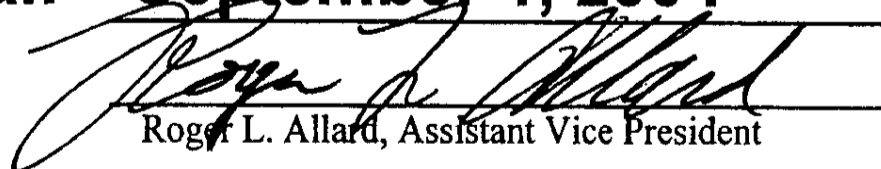
**The Viking Corporation  
210 N. Industrial Park Rd.  
Hastings, MI 49058**

**Project ID: 3020603**

**Class: 2016**

**Date of Approval: September 1, 2004**

**Authorized by:**

  
Roger L. Allard, Assistant Vice President

FM Approvals  
1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, MA 02062



# Factory Mutual Research

1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, Massachusetts 02062  
Telephone (617) 762-4300  
Telex 92-4415

## APPROVAL AGREEMENT

The Agreement is made by and between Factory Mutual Research Corporation, (herein called FMRC), and The Viking Corporation, Hastings, Michigan 49058 (herein called the Client). The Client is making a product or providing a service known and described as:

MODEL M  
FUSIBLE TYPE AUTOMATIC SPRINKLERS  
SMALL ORIFICE UPRIGHT AND PENDENT  
IN TEMPERATURE RATINGS OF 165 AND 220°F (74 AND 104°C)  
HORIZONTAL AND VERTICAL SIDEWALL  
IN TEMPERATURE RATINGS OF  
165, 220 AND 286°F (74, 104 AND 141°C)  
BRONZE FINISH

This product or service has been examined by FMRC as described in the report bearing Job Identification OQ5A5.AH, dated January 8, 1991

In consideration of FMRC Approval of the product or service the Client is authorized to indicate such approval, as stated by the above report, and agrees to the following and terms stated on the reverse side of this Agreement:

1. The Client shall place a unique identification mark (i.e. model or type number) on the product as stated in the above report and shall not place this mark on any other product unless covered by separate agreement with FMRC.
2. The Client shall use the FMRC Approval mark on the product, but shall not use this mark on any other product unless such other product is covered by separate agreement with FMRC.
3. The Client shall not use, reproduce or distribute the above referenced report by FMRC except in its entirety without any change, deletion or addition thereto. The Client agrees that FMRC may distribute the referenced report and related information within the Factory Mutual System.

(SEE OVER)

THE VIKING CORPORATION

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*Peter W. Thomas* Client

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Peter W. Thomas Signature

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Director, Research & Development Name

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210 N. Industrial Park Rd Title

---

February 25, 1991 Address

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Date

FACTORY MUTUAL RESEARCH CORPORATION

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*R. L. Martell* Signature

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R. L. Martell Name

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Asst. V.P. - Approvals Division Title

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February 19, 1991 Date

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# Certificate of Compliance

## Automatic Control Mode Sprinklers for Fire Protection

This certificate is issued for the following equipment:

Model	K	Type	Resp.	Element	NPT (in.)	Finishes	Temperature Ratings °F (°C)
VK108	5.6	Upright	SR	Fusible	1/2	Brass, Polyester	165°, 220°, 286°F (74°, 104°, 141°C)
VK110	5.6	Pendent	SR	Fusible	1/2	Brass, Polyester	165°, 220°, 286°F (74°, 104°, 141°C)
VK112	5.6	Horizontal Sidewall	SR	Fusible	1/2	Brass	165°, 220°, 286°F (74°, 104°, 141°C)
VK112	5.6	Recessed Horizontal Sidewall	SR	Fusible	1/2	Brass	165°, 220°F (74°, 104°C)

Manufactured by: The Viking Corp, 210 N Industrial Park Rd, Hastings, Michigan 49058

Manufacturing Location: The Viking Corp, 210 N Industrial Park Rd, Hastings, Michigan 49058

FM Approvals confirms that the items have been found to comply with the following standard:


FM Approvals Standard 2000 (March 2006)

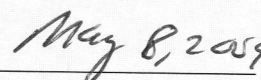
Project Identifier: 3026351

Date of Approval: May 5, 2009



Member of the FM Global Group

  
Richard B. Dunne  
Group Manager - Hydraulics

  
Date