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# APPROVAL REPORT

**MODEL VK307, VK308, VK309, VK326, VK330, VK351,  
VK353, VK535 AND VK567 FUSIBLE TYPE  
QUICK RESPONSE AUTOMATIC SPRINKLERS IN A  
NOMINAL TEMPERATURE RATING OF 280°F (138°C)**

**Prepared for:**

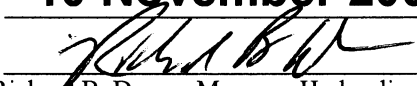
**The Viking Corporation  
210 North Industrial Park Road  
Hastings, MI 49058**

**Project ID: 3031145**

**Class: 2001**

**Date of Approval: 10 November 2008**

**Authorized by:**

  
Richard B. Dunne, Manager-Hydraulics Group

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



# 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	Temp. Ratings °F (°C)
VK326	2.8	Upright	QR	Fusible	1/2	Brass, chrome	280°F (138°C)
VK330	2.8	Pendent	QR	Fusible	1/2	Brass, chrome	280°F (138°C)
VK307	5.6	Horizontal sidewall	QR	Fusible	1/2	Brass, chrome	280°F (138°C)
VK308	5.6	Horizontal sidewall	QR	Fusible	1/2	Brass	280°F (138°C)
VK309	5.6	Vertical sidewall	QR	Fusible	1/2	Brass, chrome	280°F (138°C)
VK351	8.0	Upright	QR	Fusible	3/4	Brass, chrome, polyester	280°F (138°C)
VK353	8.0	Pendent	QR	Fusible	3/4	Brass, chrome	280°F (138°C)
VK353	8.0	Rack Storage Pendent	QR	Fusible	3/4	Brass	280°F (138°C)
VK535	11.2	Upright	SR	Fusible	3/4	Brass, chrome, polyester	280°F (138°C)
VK567	8.0	Rack Storage Upright	QR	Fusible	3/4	Brass	280°F (138°C)

Manufactured by: The Viking Corporation, 210 North Industrial Park Road, Hastings, MI 49058

Manufacturing Location: The Viking Corporation, 210 North Industrial Park Road, Hastings, MI 49058

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

FM Approvals Standard 2000 (March 2006)

Project Identifier: 3031145

Date of Approval: November 10, 2008



Member of the FM Global Group

*Richard B. Dunne*

Richard B. Dunne  
Group Manager - Hydraulics

*November 14, 2008*

Date



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# APPROVAL REPORT

**MODEL VK307, VK308, VK309, VK326, VK330, VK351,  
VK353, VK535, VK567, VK601, VK603 AND VK617  
FUSIBLE TYPE AUTOMATIC SPRINKLERS IN  
NOMINAL TEMPERATURE RATINGS OF 165 AND  
205°F (74 AND 96°C)**

**Prepared for:**


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

**Project ID: 3026810**

**Class: 2016**

**Date of Approval: 3 October 2007**

**Authorized by:**

  
Richard B. Dunne, Manager-Hydraulics Group

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

1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, MA 02062 USA  
T: (781) 762-4300 F: (781) 762-9375

## APPROVAL AGREEMENT

The Agreement is made by and between Factory Mutual Research Corporation (herein called Factory Mutual Research)

and **The Viking Corporation, Hastings, MI 49058**

(herein called the Client). The Client is making a product or providing a service known and described as:

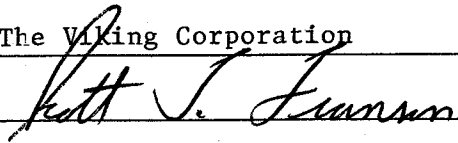
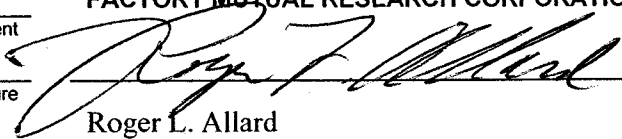
**MODEL VK300, VK302, VK304, VK306, VK325, VK329,  
VK350, VK352, VK556, VK566, VK600 AND VK602  
BULB TYPE AUTOMATIC SPRINKLERS WITH  
NOMINAL DISCHARGE COEFFICIENTS OF 2.8, 5.6  
AND 8.0 GAL/MIN/(PSI)<sup>1/2</sup> WITH ALTERNATE 3 mm  
BULB**

This product or service has been examined by Factory Mutual Research as described in a report bearing

Job Identification **3004444**, dated **13 June 2002**.

In consideration of Factory Mutual Research 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 a separate Agreement with Factory Mutual Research.
2. The Client shall use the Factory Mutual Research 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 Factory Mutual Research.
3. The Client shall not use, reproduce or distribute the above referenced report by Factory Mutual Research except in its entirety without any change, deletion or addition thereto. The Client agrees that Factory Mutual Research may distribute the referenced report and related information within FM Global. *(See Over)*

The Viking Corporation	FACTORY MUTUAL RESEARCH CORPORATION
	
Client	Signature
Signature	Signature
Scott T. Franson	Roger L. Allard
Name	Name
Director, Sprinkler Division	Group Manager - Hydraulics
Title	Title
210 N. Industrial Park Rd	June 21, 2002
Hastings MI 49058	Date
Address	Date
July 2, 2002	
Date	

1151 Boston-Providence Turnpike  
 P.O. Box 9102  
 Norwood, MA 02062 USA  
 T: (781) 762-4300 F: (781) 762-9375

**APPROVAL AGREEMENT**

The Agreement is made by and between Factory Mutual Research Corporation (herein called Factory Mutual Research) and **The Viking Corporation, Hastings, MI 49058**

(herein called the Client). The Client is making a product or providing a service known and described as:

**MODELS VK100, VK102, VK108, VK110, VK300, VK302, VK550 AND VK556  
 BULB AND FUSIBLE TYPE  
 CONTROL-MODEL (DENSITY/AREA)  
 UPRIGHT, PENDENT, RECESSED PENDENT, AND RACK STORAGE UPRIGHT  
 STANDARD AND QUICK RESPONSE  
 AUTOMATIC SPRINKLERS WITH  
 A NOMINAL DISCHARGE COEFFICIENT OF 5.6 GAL/MIN/(PSD)<sup>1/2</sup>  
 (MODIFICATION)**

This product or service has been examined by Factory Mutual Research as described in a report bearing Job Identification **3008096** dated **October 13, 2000.**

In consideration of Factory Mutual Research 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 a separate Agreement with Factory Mutual Research.
2. The Client shall use the Factory Mutual Research 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 Factory Mutual Research.
3. The Client shall not use, reproduce or distribute the above referenced report by Factory Mutual Research except in its entirety without any change, deletion or addition thereto. The Client agrees that Factory Mutual Research may distribute the referenced report and related information within FM Global.

\_\_\_\_\_  
 Client  
*Scott J. Franzen*  
 Signature  
 \_\_\_\_\_  
 Name  
 \_\_\_\_\_  
 Title  
 \_\_\_\_\_  
 Address  
*November 17, 2000*  
 Date

**FACTORY MUTUAL RESEARCH CORPORATION**  
 \_\_\_\_\_  
 Signature  
**R.L. Martell**  
 Name  
**Asst. V.P. – Approvals Division**  
 Title  
**November 10, 2000**  
 Date

FACTORY MUTUAL



Factory Mutual Research Corporation  
Hydraulics Laboratory  
743A Reynolds Road  
West Glocester, Rhode Island 02814  
Telephone: (401) 567-0590  
Fax: (401) 567-0599

**APPROVAL AGREEMENT**

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

**THE VIKING CORPORATION  
MODEL M  
FUSIBLE AND BULB TYPE NOMINAL 1/2 IN AND 17/32 IN ORIFICE  
UPRIGHT AND PENDENT STANDARD AND QUICK RESPONSE RACK  
STORAGE AUTOMATIC SPRINKLERS WITH AND WITHOUT  
PROTECTIVE SPRINKLER GUARDS**

This product or service has been examined by FMRC as described in the report bearing Job Identification **1D8A2.AH**, dated **January 22, 1998**

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)

<u>The Viking Corporation</u>		<u>FACTORY MUTUAL RESEARCH CORPORATION</u>	
<u>Peter W. Thomas</u>	Client	<u>R. L. Martell</u>	Signature
Peter W. Thomas	Signature	R. L. Martell	Name
Director, R & D	Name	Asst. V.P. - Approvals Division	Title
210 N. Industrial Park Rd.	Title	February 6, 1998	Date
Hastings, MI 49058	Address		
February 20, 1998	Date		
	Date		