



# 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)
VK145	5.6	Upright	SR	5 mm	1/2	Brass, Chrome, Wax, Polyester	135°, 155°, 175°, 200°, 212°, 286°, 360°, 500°F (57°, 68°, 79°, 93°, 100°, 141°, 182°, 260°C)

Manufactured by:

The Viking Corporation

Manufacturing Location:

210 N Industrial Park Dr. Hastings, Michigan 49058

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

FM Approvals Standard 2000 (March 2006)

Project Identifier:

3035452

Date of Approval:

July 31, 2009

A handwritten signature in black ink, appearing to read 'Richard B. Dunne', is written over a horizontal line.

Richard B. Dunne  
Group Manager - Hydraulics

August 4, 2009  
Date



Member of the FM Global Group



Member of the FM Global Group

Not to be distributed outside of FM Approvals and its affiliates except by Customer

# APPROVAL REPORT

**MODEL VK100, VK108, VK300, VK301, VK550, VK552  
AND VK556 UPRIGHT AND RACK STORAGE UPRIGHT  
AUTOMATIC SPRINKLERS WITH A NOMINAL  
DISCHARGE COEFFICIENT OF 5.6 GAL/MIN/(PSI)<sup>1/2</sup>  
WITH AN ALTERNATIVE DEFLECTOR MATERIAL**

**Prepared for:**


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

**Project ID: 3029210**

**Class: 2016**

**Date of Approval: 24 September 2007**

**Authorized by:**

  
Richard B. Dunne, Manager-Hydraulics Group

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



Member of the FM Global Group

Not to be distributed outside of FM Approvals and its affiliates except by Customer

# APPROVAL REPORT

**MODEL VK100 5 MM BULB TYPE CONTROL MODE  
UPRIGHT STANDARD RESPONSE AUTOMATIC  
SPRINKLER WITH A NOMINAL DISCHARGE  
COEFFICIENT OF 5.6 GAL/MIN/(PSI)<sup>1/2</sup> WITH A WAX  
OVER POLYESTER FINISH IN A NOMINAL  
TEMPERATURE RATING OF 155°F (68°C)**

**Prepared for:**

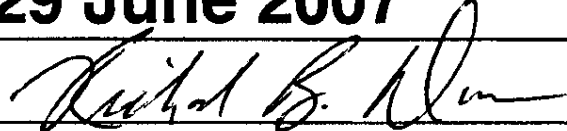
**The Viking Corporation  
210 N. Industrial Park Road  
Hastings, MI 49058**

**Project ID: 3024747**

**Class: 2016**

**Date of Approval: 29 June 2007**

**Authorized by:**

  
Richard B. Dunne, Manager-Hydraulics Group

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



NOT to be distributed outside of FMGlobal except by CUSTOMER.

# 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:**

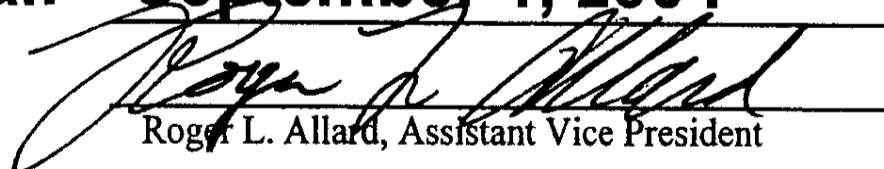
**The Viking Corporation  
210 N. Industrial Park Rd.  
Hastings, MI 49058**

**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

NOT to be distributed outside of FMGlobal except by CUSTOMER.

# APPROVAL REPORT

**MODEL VK100, VK102, VK200, VK202, VK300, VK302,  
VK350 AND VK352, BULB TYPE  
STANDARD AND QUICK RESPONSE  
AUTOMATIC SPRINKLERS WITH A NOMINAL  
DISCHARGE COEFFICIENT OF 5.6 AND 8.0  
GAL/MIN/(PSI)<sup>1/2</sup> (MODIFICATION)**

**Prepared for:**

**The Viking Corporation  
210 N. Industrial Park Road  
Hastings, Michigan 49058**

**Project ID. 3007385  
Class 2016  
Date: 13 May 2002**

NOT to be distributed outside of FMGlobal except by CUSTOMER.

# APPROVAL REPORT

**MODEL VK200, VK204 AND VK350 CONTROL-MODE  
(DENSITY/AREA) UPRIGHT AUTOMATIC SPRINKLERS  
WITH A NOMINAL DISCHARGE COEFFICIENT OF 8.0  
GAL/MIN/(PSI)<sup>1/2</sup> IN A POLYESTER COATED FINISH**

**Prepared for:**

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

**Project ID. 3012769  
Class 2001  
Date: 7 January 2002**

Factory Mutual Research Corporation  
1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, MA 02062

NOT to be distributed outside of FMGlobal except by CUSTOMER.

# APPROVAL REPORT

**MODEL VK300, VK100 AND VK108  
CONTROL-MODE (DENSITY/AREA)  
UPRIGHT AUTOMATIC SPRINKLERS WITH A  
NOMINAL DISCHARGE COEFFICIENT OF  
5.6 GAL/MIN/(PSI)<sup>1/2</sup> IN A POLYESTER COATED FINISH**

**Prepared for:**

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

**Project ID. 3006951  
Class 2016  
Date: 28 March 2001**

Factory Mutual Research Corporation  
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:

**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.

\_\_\_\_\_  
*Scott J. Franzen*  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**FACTORY MUTUAL RESEARCH CORPORATION**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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 **Sprinkler Viking SA, L-4562 Differdange/Niedercorn, Luxembourg** (herein called the Client). The Client is making a product or providing a service known and described as:

**SPRINKLER VIKING  
MODEL M  
BULB TYPE NOMINAL 1/2 AND 17/32 IN. ORIFICE UPRIGHT AND  
PENDENT STANDARD RESPONSE AUTOMATIC SPRINKLERS WITH  
5MM BULB IN NOMINAL TEMPERATURE RATINGS OF 135, 155, 175,  
200, 286 AND 360°F (57, 68, 79, 93, 141 AND 182°C)**

This product or service has been examined by FMRC as described in the report bearing Job Identification **1D8A6.AH**, dated **March 16, 1998**.

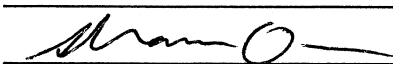
In consideration of FMRC Approval of the product or service the Client is authorized to indicate such approval, as stated by the above report, and agrees to the following and terms stated on the reverse side of this Agreement.

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)

**THE VIKING CORPORATION**

\_\_\_\_\_  
Client

  
\_\_\_\_\_  
Signature

**SHAWN ORR**  
\_\_\_\_\_  
Name

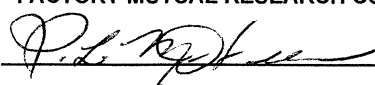
**PROJECT ENGINEER**  
\_\_\_\_\_  
Title

**210 NORTH INDUSTRIAL PARK ROAD**  
**HASTINGS MI 49058**  
\_\_\_\_\_  
Address

**MAY 1, 1998**  
\_\_\_\_\_  
Date

**FACTORY MUTUAL RESEARCH CORPORATION**

\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Signature

**R. L. Martell**  
\_\_\_\_\_  
Name

**Asst. V.P. - Approvals Division**  
\_\_\_\_\_  
Title

**April 17, 1998**  
\_\_\_\_\_  
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  
BULB-TYPE NOMINAL 1/2IN. AND 17/32 IN. ORIFICE  
UPRIGHT AND PENDENT STANDARD RESPONSE  
AUTOMATIC SPRINKLERS WITH A 5 MM BULB  
IN A NOMINAL TEMPERATURE RATING OF 500°F (260°C)**


This product or service has been examined by FMRC as described in the report bearing Job Identification **1D5A4.AH**, dated **January 7, 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)

The Viking Corporation  
 \_\_\_\_\_ Client  
  
 \_\_\_\_\_ Signature  
 Shawn Orr  
 \_\_\_\_\_ Name  
 Project Engineer  
 \_\_\_\_\_ Title  
 210 N. Industrial Park Rd.  
 \_\_\_\_\_  
 Hastings, MI 49058  
 \_\_\_\_\_ Address  
 February 3, 1998  
 \_\_\_\_\_ Date

FACTORY MUTUAL RESEARCH CORPORATION  
  
 \_\_\_\_\_ Signature  
 R. L. Martell  
 \_\_\_\_\_ Name  
 Asst. V.P. - Approvals Division  
 \_\_\_\_\_ Title  
 January 19, 1998  
 \_\_\_\_\_ 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:

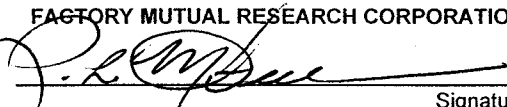
**VIKING CORPORATION  
MODEL M  
BULB TYPE NOMINAL 1/2 IN. AND 17/32 IN. ORIFICE UPRIGHT AND  
PENDENT AUTOMATIC SPRINKLERS WITH A 5 MM BULB IN  
NOMINAL TEMPERATURE RATINGS OF 135, 155, 175, 200 286 AND  
360°F (57, 68, 79, 93, 141 AND 182°C)  
(MODIFICATION)**

This product or service has been examined by FMRC as described in the report bearing Job Identification **0D2A6.AH**, dated **October 1, 1997**

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)

_____	Client	<b>FACTORY MUTUAL RESEARCH CORPORATION</b>	_____
_____	Signature		Signature
_____	Name	<b>R. L. Martell</b>	Name
_____	Title	<b>Asst. V.P. - Approvals Division</b>	Title
_____	Address	<b>October 10, 1997</b>	Date
_____	Date		



# 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 Factory Mutual), 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 M

BULB TYPE NOMINAL 1/2 IN. ORIFICE

UPRIGHT SPRINKLERS W/ALTERNATE DEFLECTOR (L.O.)

135°, 155°, 175°, 200°, 286°, AND 360°F

(57°, 68°, 79°, 93°, 141°, AND 182°C)

This product or service has been examined by Factory Mutual as described in the report bearing Job Identification 1Q2A1.AH, dated September 6, 1989

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

(SEE OVER)

\_\_\_\_\_  
Client  
*Peter W. Thorne*  
\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Name  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Address  
\_\_\_\_\_  
Date

### FACTORY MUTUAL RESEARCH CORPORATION

\_\_\_\_\_  
*R. L. Martell*  
\_\_\_\_\_  
Signature  
R. L. Martell  
\_\_\_\_\_  
Name  
Asst. V. P. - Approvals Division  
\_\_\_\_\_  
Title  
October 20, 1989  
\_\_\_\_\_  
Date



# 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 Factory Mutual), 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 M

BULB TYPE, AUTOMATIC SPRINKLER

17/32 IN. NOMINAL ORIFICE

(MODIFICATION)

This product or service has been examined by Factory Mutual as described in the report bearing Job Identification 1QOA5.AH, dated September 29, 1988

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

(SEE OVER)

		<b>FACTORY MUTUAL RESEARCH CORPORATION</b>	
_____	Client	_____	Signature
<i>Peter Thomas</i>		<i>[Signature]</i>	
_____	Signature	R. L. Martell	Signature
_____	Name	Asst. V.P. - Approvals Division	Name
_____	Title	January 24, 1989	Title
_____	Address	_____	Date
_____	Date		

COPY - ORIGINAL RETURNED  
21-109

8/26/88



# 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 Factory Mutual), 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 M  
BULB TYPE, AUTOMATIC SPRINKLER  
1/2 AND 3/8 IN. NOMINAL ORIFICES  
(MODIFICATION)

This product or service has been examined by Factory Mutual as described in the report bearing Job Identification 1P4A6.AH, dated July 12, 1988

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

(SEE OVER)

\_\_\_\_\_  
Client  
*Pete W. Thomas*  
\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Name  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Address  
\_\_\_\_\_  
Date

**FACTORY MUTUAL RESEARCH CORPORATION**  
\_\_\_\_\_  
*R. L. Martell*  
R. L. Martell Signature  
\_\_\_\_\_  
Asst. V.P. - Approvals Division Name  
\_\_\_\_\_  
August 22, 1988 Title  
\_\_\_\_\_  
Date



# Factory Mutual Research

1151 Boston-Providence Turnpike  
P.O. Box 688  
Norwood, Massachusetts 02062  
Telephone (617) 762-4300  
Telex 92-4415

## APPROVAL AGREEMENT

This Agreement is made by and between Factory Mutual Research Corporation, (herein called Factory Mutual), 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:

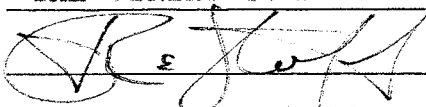
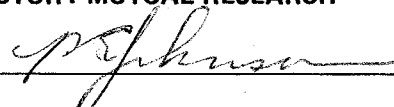
**MODEL M**  
**BULB TYPE UPRIGHT & PENDENT LARGE ORIFICE SPRINKLERS**  
**WITH 1/2 AND 3/4 IN. NPT (12.7 AND 19.1 mm) THREADED CONNECTIONS**  
**BRONZE, CHROMIUM PLATED AND LEAD COATED**  
**IN TEMPERATURE RATINGS**  
**OF**  
**135, 155, 175, 200, 286, 360°F (57, 68, 79, 93, 141, 182°C)**  
**WAX COATED AND WAX OVER LEAD COATED**  
**IN TEMPERATURE RATINGS**  
**OF**  
**135, 155, 175, 200°F (57, 68, 79, 93°C)**

This product or service has been examined by Factory Mutual as described in the report bearing Job Identification **1C3A6.AH**, dated **April 8, 1982**

In consideration of Factory Mutual 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 Factory Mutual.
2. The Client shall use the Factory Mutual 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.
3. The Client shall not use, reproduce or distribute the above referenced report by Factory Mutual except in its entirety without any change, deletion or addition thereto.

(SEE OVER)

<p><b>THE VIKING CORPORATION</b></p> <hr/> <p style="text-align: right;">Client</p> <hr/> <p></p> <p style="text-align: right;">Signature</p> <hr/> <p><b>James G. Retzloff</b></p> <p style="text-align: right;">Name</p> <hr/> <p><del>Vice Pres. - Design &amp; Development</del></p> <p style="text-align: right;">Title</p> <hr/> <p><b>210 N. Industrial Park Rd.</b></p> <hr/> <p><b>Hastings, MI 49058</b></p> <p style="text-align: right;">Address</p> <hr/> <p><del>May 26, 1982</del></p> <p style="text-align: right;">Date</p>	<p><b>FACTORY MUTUAL RESEARCH</b></p> <hr/> <p></p> <p style="text-align: right;">Signature</p> <hr/> <p><b>P. E. Johnson</b></p> <p style="text-align: right;">Name</p> <hr/> <p><b>V.P. &amp; Mgr.-Approvals Division</b></p> <p style="text-align: right;">Title</p> <hr/> <p><b>May 24, 1982</b></p> <p style="text-align: right;">Date</p>
---	---



# Factory Mutual Research

1151 Boston-Providence Turnpike  
Norwood, Massachusetts 02062  
Telephone (617) 762-4300  
Telex 92-4415

## APPROVAL AGREEMENT

This agreement is made by and between Factory Mutual Research Corporation, (herein called Factory Mutual), 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

### BULB TYPE UPRIGHT & PENDENT STANDARD SPRINKLERS

### IN TEMPERATURE RATINGS

### OF

**135, 155, 175, 200, 286 AND 360°F (57, 68, 79, 93, 141 AND 182°C)**

This product or service has been examined by Factory Mutual as described in the report bearing Job Identification **1C3A7.AH**, dated **January 27, 1982**

In consideration of Factory Mutual Approval of the product or service the Client is authorized to indicate such approval, as stated by the above report, and it is agreed that:

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 Factory Mutual.
2. The Client shall use the Factory Mutual 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.
3. The Client shall not use, reproduce or distribute the above referenced report by Factory Mutual except in its entirety without any change, deletion or addition thereto.
4. The Client shall assume full responsibility for the design, material, workmanship and operation of the product or the quality of the service rendered and agrees to hold harmless and indemnify Factory Mutual from any claims and liability to the Client or others for any kind or type of injury or damage, including without limitation, loss of earnings or profits, caused by or in any way connected with any of the services rendered by Factory Mutual, or arising out of any defect, accident, damage or injury related to the product or service herein.
5. The Client shall manufacture the product or provide the service as approved by Factory Mutual and no changes of any nature shall be made in the product or service unless notice of the proposed change has been given and written authorization obtained from Factory Mutual. Client agrees to make full and immediate written disclosure to Factory Mutual of all information concerning any defect in or potential hazard of the product or service herein. Failure of the foregoing may result in suspension or withdrawal of Factory Mutual Approval.





# 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)
VK200	8.0	Upright	SR	5 mm	1/2, 3/4	Brass, Chrome, Polyester	135°, 155°, 175°, 200°, 286°, 360°, 500°F (57°, 68°, 79°, 93°, 141°, 182°, 260°C)
VK200	8.0	Upright	SR	5 mm	1/2, 3/4	Wax	135°, 155°, 175°, 200°F (57°, 68°, 79°, 93°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 and  
The Viking Corp, 11305 James St, Holland, MI 49424

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

A handwritten signature in black ink, appearing to read 'Richard B. Dunne', written over a horizontal line.

Richard B. Dunne  
Group Manager - Hydraulics

*May 8, 2009*  
Date



Member of the FM Global Group