

# **BRE Certification Limited and LPCB**

*Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX*

*Telephone: 01923 664100 Fax: 01923 664603 E-mail: enquiries@bre-certification.co.uk Web: www.bre-certification.co.uk*

## **EC-CERTIFICATE OF CONFORMITY**

**0832 - CPD - 2001**

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

### **Models F-1, M, M Microfast, H and B-1 Sprinklers for use in automatic sprinkler installations**

*(For full product details and conditions of use refer to appendix)*

placed on the market by

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

and produced in the factory

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

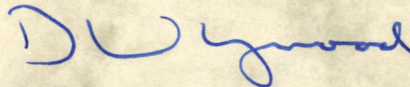
is submitted by the manufacturer to a factory production control and that the notified body BRE Certification Limited has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity (Level 1) and the performances described in Annex ZA of the standard

### **EN12259-1:1999 including amendment A3:2006**

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 25 August 2004 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly and the required annual FPC assessments are maintained.



**B.W. Lywood**  
Certification Scheme Manager  
On behalf of BRE Certification Limited

Date of issue: 21 January 2008

Issue number: 5

This certificate remains the property of BRE Certification Ltd and is issued subject to terms and conditions and is maintained and held in force through regular Factory Production Control audits.  
To check the authenticity of this certificate, please visit our website or contact us.

# BRE Certification Limited and LPCB

Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX

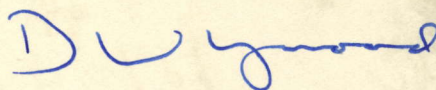
Telephone: 01923 664100 Fax: 01923 664603 E-mail: enquiries@bre-certification.co.uk Web: www.bre-certification.co.uk

## Appendix to EC-Certificate of Conformity 0832 - CPD - 2001

### Conditions of Use

The sprinklers covered by this Certificate of Conformity placed on the market by The Viking Corporation are identified below and must be installed in accordance with the manufacturers installation instructions:

Sprinkler Identification Number	Model	Size	Orientation	Nominal operating temperature (°C)	Finish	Response class	K-factor (l.min <sup>-1</sup> .bar <sup>-1/2</sup> )
N/A	F-1	15	RP	68, 79, 93 & 141	Plain	Quick	80
VK310	M Microfast	15	CU/P	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	Quick	80
VK345	M Microfast	15	SU	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	Quick	80
VK302	M Microfast	15	SP	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	Quick	80
VK354	M Microfast	20	CU/P	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	Quick	115
VK350	M Microfast	20	SU	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	Quick	115
VK352	M Microfast	20	SP	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	Quick	115
VK002	M	10	SU	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	57
VK004	M	10	SP	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	57
VK118	M	15	CU/P	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK145	M	15	SU	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK102	M	15	SP	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK104	M	15	WH	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK159	M	15	RDP (Recessed)	68, 79, 93	Plain, Chrome, White	Standard	80
VK155	M	15	DP (Adjustable)	68, 79, 93 & 141	Plain, Chrome	Standard	80
VK151	M	15	DP (Plain)	68, 79, 93 & 141	Plain, Chrome, Brass	Standard	80
VK120	M	20	CU/P	68, 79, 93, 141 & 182	Plain, Chrome, Brass	Standard	115
VK200	M	20	SU	68, 79, 93, 141 & 182	Plain, Chrome, Brass	Standard	115
VK202	M	20	SP	68, 79, 93, 141 & 182	Plain, Chrome, Brass	Standard	115



B.W. Lywood  
Certification Scheme Manager  
On behalf of BRE Certification Limited

Date of issue: 21 January 2008

Issue number: 5

# BRE Certification Limited and LPCB

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## Appendix to EC-Certificate of Conformity 0832 - CPD - 2001

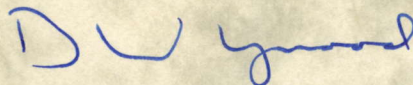
### Conditions of Use

The sprinklers covered by this Certificate of Conformity placed on the market by The Viking Corporation are identified below and must be installed in accordance with the manufacturers installation instructions:

VK407	B-1	15	CCP	72	Plain (2)	Not rated	80
VK401	H	15	FP	74, 104	Plain	Standard	80
VK413	H	15	FP	74	Plain	Quick	80
N/A	M/E-1	15	SR	68, 79, 93	Plain (1)	Standard	80
N/A	M/E-1	20	SR	68, 79, 93	Plain (1)	Standard	115

### Notes:

- (1) These sprinklers are certificated with a brass, chrome and coloured recessing cup
- (2) These sprinklers are certificated with a brass, chrome and coloured coverplate



B.W. Lywood  
Certification Scheme Manager  
On behalf of BRE Certification Limited

Date of issue: 21 January 2008

Issue number: 5



## Loss Prevention Certification Board

Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX, UK

Telephone: +44 (0)1923 664100 Fax: +44 (0)1923 664603 E-mail: enquiries@bre-certification.co.uk Web: www.lpcb.com

### EC-CERTIFICATE OF CONFORMITY



0832 - CPD - 2003

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

**Models F-1, M and M Microfast Sprinklers  
for use in automatic sprinkler installations**  
(For conditions of use for the product see the attached appendix)

Placed on the Market by:

Viking S.A.,  
Zone Industrielle Haneboesch, L-4562  
Differdange/Niedercoorn, Luxembourg

Manufactured By:

Viking S.A.,  
Zone Industrielle Haneboesch, L-4562  
Differdange/Niedercoorn, Luxembourg

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan. The initial type-testing for the relevant characteristics of the product, the initial inspection and continuous surveillance of the factory and factory production control has been performed under the control of the approved body LPCB (a part of BRE Certification Limited.)

This certificate attests that all provisions concerning the attestation of conformity (Level 1) and the performances described in Annex ZA of the standard

### EN12259-1:1999 including amendments A1:2001 and A2:2004

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 25 August 2004 and remains valid as long as the product continues to be manufactured and the conditions laid down in the harmonised technical specification referenced or the manufacturing conditions in the factory or the FPC itself are not modified significantly and the required annual FPC assessments are maintained.

Signed:

On behalf of the LPCB

Philip Field  
Technical Director

Date of issue: 4 May 2005  
Issue number: 2



## Loss Prevention Certification Board

Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX

Telephone: +44 (0)1923 664100 Fax: +44 (0)1923 664603 E-mail: enquiries@bre-certification.co.uk Web: www.lpcb.com

### Appendix to EC Certificate of conformity 0832-CPD-2003

#### Conditions of Use

The sprinklers covered by this Certificate of Conformity placed on the market by Viking S.A. are identified below and must be installed in accordance with the manufacturers installation instructions:

Sprinkler Identification Number	Model	Size	Orientation	Nominal operating temperature (°C)	Finish	Response class	K-factor (l.min <sup>-1</sup> .bar <sup>-1/2</sup> )
N/A	F-1	15	RP	68	Plain	Quick	80
VK310	M Microfast	15	CU/P	68	Plain, Chrome, Brass, Coloured	Quick	80
VK345	M Microfast	15	SU	68	Plain, Chrome, Brass, Coloured	Quick	80
VK302	M Microfast	15	SP	68	Plain, Chrome, Brass, Coloured	Quick	80
VK002	M	10	SU	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	57
VK004	M	10	SP	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	57
VK118	M	15	CU/P	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK145	M	15	SU	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK102	M	15	SP	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK104	M	15	WH	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	80
VK120	M	20	CU/P	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	115
VK200	M	20	SU	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	115
VK202	M	20	SP	68, 79, 93, 141 & 182	Plain, Chrome, Brass, Coloured	Standard	115
N/A	M/E-1	15	SR	68, 79, 93	Plain	Standard	80
N/A	M/E-1	20	SR	68, 79, 93	Plain	Standard	115

Signed:

On behalf of the LPCB

Philip Field  
Technical Director

Date of issue: 4 May 2005  
Issue number: 2



VdS Schadenverhütung GmbH • Amsterdamer Straße 172-174 • D-50735 Köln

Notifizierte Zertifizierungsstelle für Bauprodukte • Kenn-Nummer 0786  
Notified Certification Body for Construction Products • Registration No. 0786

# EG-Konformitätszertifikat EC-Certificate of Conformity

0786 – CPD - 40141

Gemäß der Richtlinie 89/106/EWG des Rates der Europäischen Gemeinschaften vom 21. Dezember 1988 zur Angleichung der Rechts- und Verwaltungsvorschriften der Mitgliedstaaten über Bauprodukte (Bauproduktenrichtlinie – CPD), geändert durch die Richtlinie 93/68/EWG des Rates der Europäischen Gemeinschaften vom 22. Juli 1993, wird hiermit bestätigt, dass das Bauprodukt

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

**Glasfass-Sprinkler  
K115, M SP**

(Produktmerkmale siehe Anlage 1)

**Glass bulb sprinkler  
K115, M SP**

(Product parameters see appendix 1)

in Verkehr gebracht durch

placed on the market by

**Viking Corporation  
210 North Industrial Parkroad USA-Hastings, Michigan 49058**

und erzeugt im Herstellwerk

and produced in the factory

**Viking Corporation  
210 North Industrial Parkroad USA-Hastings, Michigan 49058**

durch den Hersteller einer werkseigenen Produktionskontrolle sowie zusätzlichen Prüfungen von im Werk entnommenen Proben nach festgelegtem Prüfplan unterzogen wird und dass die notifizierte Stelle VdS Schadenverhütung GmbH eine Erstprüfung der relevanten Eigenschaften des Produkts, eine Erstinspektion des Werkes und der werkseigenen Produktionskontrolle durchgeführt hat und eine laufende Überwachung, Beurteilung und Anerkennung der werkseigenen Produktionskontrolle durchführt.

Dieses Zertifikat bescheinigt, dass alle Vorschriften über die Bescheinigung der Konformität und die Leistungseigenschaften, beschrieben im Anhang ZA der Norm(en)

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body VdS Schadenverhütung GmbH has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in the Annex ZA of the standard

**EN 12259-1 : 1999 + A1 : 2001 / A2 : 2004**

angewendet wurden und dass das Produkt alle darin vorgeschriebenen Anforderungen erfüllt.

Dieses Zertifikat wurde erstmals am 19.08.2005 ausgestellt und gilt solange, wie die Festlegungen in der angeführten harmonisierten technischen Spezifikation oder die Herstellbedingungen im Werk oder die werkseigene Produktionskontrolle selbst nicht wesentlich verändert werden.

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 19.08.2005 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Köln, 19.08.2005

(ppa. Stahl)

**Leiter der Zertifizierungsstelle  
Head of Certification Body**

**Anlage 1 (Seite 1/1) zu EG-Konformitätszertifikat  
Appendix 1 (page 1/1) to EC-Certificate of Conformity**

**0786 – CPD – 40141**

**19.08.2005**

**Produktmerkmale / Product parameters**

**Schirmsprinkler / Spray Sprinkler**

<b>K-Faktor / K-Factor:</b>	115
<b>Nennweite der Düse / Nominal size of orifice:</b>	20 mm
<b>Anschlussgewinde / Nominal thread size:</b>	3/4"
<b>Einbauart / Mounting position:</b>	hängend / pendant
<b>Glasfasstyp / Type of glass bulb:</b>	Job G5
<b>Nennansprechtemperaturen / Nominal release temperatures:</b>	57, 68, 79, 93, 141 und / and 182 °C
<b>Ansprechempfindlichkeitsklasse / Response time index:</b>	Standard



VdS Schadenverhütung GmbH • Amsterdamer Straße 172-174 • D-50735 Köln

Notifizierte Zertifizierungsstelle für Bauprodukte • Kenn-Nummer 0786  
Notified Certification Body for Construction Products • Registration No. 0786

# EG-Konformitätszertifikat EC-Certificate of Conformity

0786 – CPD - 40142

Gemäß der Richtlinie 89/106/EWG des Rates der Europäischen Gemeinschaften vom 21. Dezember 1988 zur Angleichung der Rechts- und Verwaltungsvorschriften der Mitgliedstaaten über Bauprodukte (Bauproduktenrichtlinie - CPD), geändert durch die Richtlinie 93/68/EWG des Rates der Europäischen Gemeinschaften vom 22. Juli 1993, wird hiermit bestätigt, dass das Bauprodukt

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

**Glasfass-Sprinkler  
K115, M CU/P**

(Produktmerkmale siehe Anlage 1)

**Glass bulb sprinkler  
K115, M CU/P**

(Product parameters see appendix 1)

in Verkehr gebracht durch

placed on the market by

**Viking Corporation  
210 North Industrial Parkroad USA-Hastings, Michigan 49058**

und erzeugt im Herstellwerk

and produced in the factory

**Viking Corporation  
210 North Industrial Parkroad USA-Hastings, Michigan 49058**

durch den Hersteller einer werkseigenen Produktionskontrolle sowie zusätzlichen Prüfungen von im Werk entnommenen Proben nach festgelegtem Prüfplan unterzogen wird und dass die notifizierte Stelle VdS Schadenverhütung GmbH eine Erstprüfung der relevanten Eigenschaften des Produkts, eine Erstinspektion des Werkes und der werkseigenen Produktionskontrolle durchgeführt hat und eine laufende Überwachung, Beurteilung und Anerkennung der werkseigenen Produktionskontrolle durchführt.

Dieses Zertifikat bescheinigt, dass alle Vorschriften über die Bescheinigung der Konformität und die Leistungseigenschaften, beschrieben im Anhang ZA der Norm(en)

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body VdS Schadenverhütung GmbH has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in the Annex ZA of the standard

**EN 12259-1 : 1999 + A1 : 2001 / A2 : 2004**

angewendet wurden und dass das Produkt alle darin vorgeschriebenen Anforderungen erfüllt.

Dieses Zertifikat wurde erstmals am 19.08.2005 ausgestellt und gilt solange, wie die Festlegungen in der angeführten harmonisierten technischen Spezifikation oder die Herstellbedingungen im Werk oder die werkseigene Produktionskontrolle selbst nicht wesentlich verändert werden.

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 19.08.2005 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Köln, 19.08.2005

(ppa. Stahl)

**Leiter der Zertifizierungsstelle  
Head of Certification Body**



**Anlage 1 (Seite 1/1) zu EG-Konformitätszertifikat  
Appendix 1 (page 1/1) to EC-Certificate of Conformity**

**0786 – CPD – 40142**

**19.08.2005**

**Produktmerkmale / Product parameters**

**Normalsprinkler / Conventional Sprinkler**

<b>K-Faktor / K-Factor:</b>	115
<b>Nennweite der Düse / Nominal size of orifice:</b>	20 mm
<b>Anschlussgewinde / Nominal thread size:</b>	3/4"
<b>Einbauart / Mounting position:</b>	stehend & hängend / upright & pendant
<b>Glasfasstyp / Type of glass bulb:</b>	Job G5
<b>Nennansprechtemperaturen / Nominal release temperatures:</b>	57, 68, 79, 93, 141 und / and 182 °C
<b>Ansprechempfindlichkeitsklasse / Response time index:</b>	Standard