

BRE Global

Notified Body No. 0832

BRE Global Limited
Bucknalls Lane, Garston, Watford,
Hertfordshire, UK, WD25 9XX
Telephone: +44 (0) 333 321 8811
Email: enquiries@breglobal.com
Web: www.breglobal.com

MARINE EQUIPMENT DIRECTIVE 2014/90/EU

Regulation: (EU) 2017/306

EC TYPE EXAMINATION (Module B)

Certificate: 0832-MED-1003

Issued to: The Viking Corporation
210 N Industrial Park Road
Hastings
Michigan
49058
USA

Regulation Item

MED/3.28

Item Designation

Sprinkler systems (limited to sprinkler heads). (Nozzles for fixed sprinkler systems, for high speed craft (HSC) are included under this item)

Product Description

Viking Automatic Sprinklers: F-1, M Microfast, M, Mirage and H, see Annex for full details

This is to certify that BRE Global Limited did undertake the relevant Type Examination for the equipment identified above which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU subject to any conditions in the annex attached hereto

This certificate is issued under the authority of the MCA under the terms stated above and remains valid for a period up to but not exceeding 5 years unless cancelled or revoked, providing the conditions in the attached annex are complied with.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment which have not been notified to BRE Global Ltd.

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.



Tony Baker, Certification Scheme Manager,

On behalf of BRE Global Limited

Date of First Issue: 20 July 2004

Date of issue: 4 July 2017

Valid until: 3 July 2022

Issue number 5

The attached Annex forms part of this certificate.

The certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached annex are complied with.

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Notified Body No. 0832

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**MARINE EQUIPMENT DIRECTIVE 2014/90/EU
EC TYPE EXAMINATION (Module B)
CERTIFICATE 0832-MED-1003**

Regulation: (EU) 2017/306

Annex

Issued to: The Viking Corporation
210 N Industrial Park Road
Hastings
Michigan
49058
USA

Authorised Representative: Viking SA
Zone Industrielle Haneboesch
Differdange
L4562
Luxembourg

Places of Production: The Viking Corporation
210 N Industrial Park Road
Hastings
Michigan
49058
USA



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Annex

Testing Standards

EN 12259-1 (1999) including A1 (2001), A2 (2004) and A3 (2006)

Project Number

The technical documentation in support of this certificate is located within BRE Global project file(s): P108252

Product Details

Sprinkler Identification Number	Model	Size	Orientation	Nominal operating temperature (°C)	Finish	Response class	K-factor (l.min ⁻¹ .bar ^{-1/2})
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
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
VK151	M	15	DP (Plain)	68, 79, 93 & 141	Plain, Chrome, Brass	Standard	80
VK155	M	15	DP (Adjustable)	68, 79, 93 & 141	Plain, Chrome	Standard	80
VK159	M	15	RDP (Recessed)	68, 79 & 93	Plain, Chrome, White	Standard	80
VK120	M	20	CU/P	68, 79, 93, 141 & 182	Plain, Chrome, Brass	Standard	115


Tony Baker, Certification Scheme Manager,

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Annex

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
VK302	M Microfast	15	SP	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	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
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
VK354	M Microfast	20	CU/P	68, 79, 93 & 141	Plain, Chrome, Brass, Coloured	Quick	115
VK462	Mirage	15	CCP	68 with 59 ceiling plate	Polished Chrome, Painted white	N/A	80
VK413	H	15	FP	74	Plain	Quick	80
N/A	F-1	15	RP	68, 79, 93 & 141	Plain (1)	Quick	80

Note 1: These sprinklers are certified with a brass, chrome and coloured recessing cup.

Limitations of Use

These products shall be installed in accordance with the manufacturer's installation instructions.


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MARINE EQUIPMENT DIRECTIVE 2014/90/EU

Regulation: (EU) 2017/306

EC PRODUCTION-QUALITY ASSURANCE (Module D)

Certificate: 0832-MED-1004

Issued to: The Viking Corporation
210 N Industrial Park Road
Hastings
Michigan
49058
USA

Regulation Item	Item Designation
MED/3.28	Sprinkler systems (limited to sprinkler heads). (Nozzles for fixed sprinkler systems, for high speed craft (HSC) are included under this item)

This is to certify that BRE Global Limited did undertake the relevant quality assessment procedures for the equipment identified above which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU subject to any conditions in the annex attached hereto, and with the type described in the EC Type Examination Certificates (Module B) listed in the annex to this Certificate.

This Certificate is issued under the authority of the MCA under the terms stated above and remains valid for a period up to but not exceeding 5 years unless cancelled or revoked, providing the conditions in the attached annex are complied with.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment or quality management system, which have not been notified to, and agreed with BRE Global Ltd.

Subject to compliance with the conditions in the attached annex, which forms part of this certificate, this certificate, in conjunction with the EC type examination (Module B) certificate detailed in the attached annex, authorises the manufacturer of the equipment listed to affix the mark of conformity (Wheelmark) as detailed in the annex.

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation.



Tony Baker, Certification Scheme Manager,

On behalf of BRE Global Limited

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**MARINE EQUIPMENT DIRECTIVE 2014/90/EU
EC PRODUCTION-QUALITY ASSURANCE (Module D)
CERTIFICATE 0832-MED-1004**

Regulation: (EU) 2017/306

Annex:

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210 N Industrial Park Road
Hastings
Michigan
49058
USA

Authorised Representative: Viking SA
Zone Industrielle Haneboesch
Differdange
L4562
Luxembourg

Place of Production: The Viking Corporation
210 N Industrial Park Road
Hastings
Michigan
49058
USA



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CERTIFICATE 0832-MED-1004****Regulation: (EU) 2017/306****Annex:****Project Number**

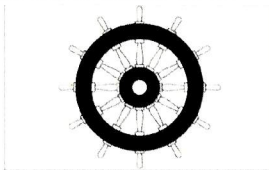
The technical documentation in support of this certificate is located within BRE Global project file(s): P108252

Product Details**Module B type examination data**

<u>Number:</u>	<u>Date of first issue:</u>	<u>Notified Body:</u>
0832-MED-1003, Issue 5	20 July 2004	BRE Global Ltd No. 0832

Description:

Viking Automatic Sprinklers: F-1, M Microfast, M, Mirage

Example of mark of conformity

0832/Year

Notes:

- 0832 – BRE Global Ltd Notified Body identification No.
- Year – indicates the year in which marking is applied.

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