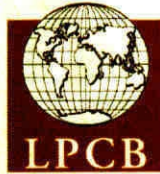


Loss Prevention Certification Board



This is to certify

THE VIKING CORPORATION

210 N Industrial Park, Hastings, Michigan 49058, USA

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix.

Viking Sprinkler Heads

(refer to attached appendix for details)

which have complied with the requirements of the following:

LPS 1039 and EN12259-1:1999

Certificate No. 096e

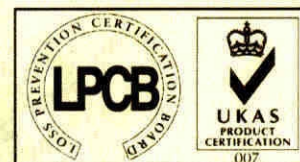
Issue No. 3

Date of Issue 9 July 2007

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Signed on behalf of the LPCB

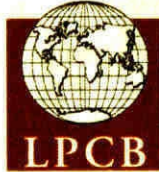
B W Lywood



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APPENDIX TO CERTIFICATE NO. 096e

THE VIKING CORPORATION

Certificated to LPS 1039 or EN12259-1:1999. (See footnotes for details of amendment status A1:2001, A2:2004 and A3:2006)

Product Name	Nominal Orifice size (mm)	Type	Temperature rating (°C)	LPCB Ref. No.
Viking H	15	SF	74° 104°	096e/01
† Viking M Microfast (1), (2), (6), (15)	20	SU	57°68°79°141°(quick response)	096e/03
† Viking M Microfast (1), (2),(6)	20	SP	57°68°79°141°(quick response)	
† Viking F-1 Microfast (3)	20	CU/P	57°68°79°141°(quick response)	
Viking Model VK407 (4),(5)	15	SR	57°68°79°93°141°(recessed and adjustable)	096e/04
† Viking M (6),(7)	15	SK	72° sprinkler with 72° ceiling plate	096e/05
	10	SU	57°68°79°93°141°182°(5mm bulb)	096e/06
	10	SP	57°68°79°93°141°182°(5mm bulb)	
	15	CU/P	57°68°79°93°141°182°(5mm bulb)	
	15	SU	57°68°79°93°141°182°(5mm bulb)	
	15	SP	57°68°79°93°141°182°(5mm bulb)	
	15	WH	57°68°79°93°141°182°(5mm bulb)	
	20	CU/P	57°68°79°93°141°182°(5mm bulb)	
	20	SU	57°68°79°93°141°182°(5mm bulb)	
	20	SP	57°68°79°93°141°182°(5mm bulb)	
† Viking M (8)	15	SDP	57°68°79°93°(adjustable recessed) (5mm bulb)	
† Viking M (9)	15	SDP	57°68°79°93°141°(adjustable standard) (5mm bulb)	
† Viking M (10)	15	SDP	57°68°79°93°141°(plain barrel) (5mm bulb)	
Viking S-1ESFR(13) (18)	20	SP	74°	096e/07
Viking Horizon Model H(1) (11),(12)	15	SF	74° (quick response)	096e/08
† Viking M/E-1 (3), (14)	15	SR	57°, 68°, 79°, 93° (5mm bulb)	096e/06
	20	SR	57°, 68°, 79°, 93° (5mm bulb)	
Viking VK130 (16) (17)	15	SU	68°, 79°, 93°, 141°, 182° (5mm bulb)	096e/09
Viking VK132 (16) (17)	15	SP	68°, 79°, 93°, 141°, 182° (5mm bulb)	

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APPENDIX TO CERTIFICATE NO. 096e

THE VIKING CORPORATION

Product Name	Nominal Orifice size (mm)	Type	Temperature rating (°C)	LPCB Ref. No.
Viking Horizon VK402	15	SF	74° (quick response)	096e/10
Viking Horizon Mirage VK404	15	SCCP	74 °	096e/11
Viking Horizon Mirage VK408	15	WHSCC	74 °	
Viking Mirage Concealed VK462 (19), (20)	15	CCP	79° Sprinkler with 74° ceiling plate (3 mm bulb) 93° Sprinkler with 74° ceiling plate (3 mm bulb)	096e/12

Notes:

- 1) The suitability of 'quick response' sprinklers for many risks is not yet proven. Use is therefore limited to where the purchaser, authority having jurisdiction and/or insurers consent to its use. Quick response sprinklers must be handled with care due to the fragile nature of the operating element, with packaging and instructions being marked accordingly.
- 2) Approved with plain and chrome finishes.
- 3) Approved with brass, chrome or coloured recessing cup.
- 4) Approved with chrome, bright brass and painted finish coverplates.
- 5) Not to be installed in ceilings with a positive pressure in the void above.
- 6) Approved with chrome, polished brass and coloured finishes.
- 7) The "57°, 68°, 79° and 93° heads are approved with wax finishes.
- 8) Approved with chrome and white finishes.
- 9) Approved with chrome finish.
- 10) Approved with chrome and brass finishes.
- 11) Every five years, all sprinklers should be visually examined and representative samples removed and tested to the requirements of the authority and/or insurer
- 12) Approved with polished chrome and white polyester finishes.
- 13) This ESFR sprinkler has a k-factor of 200 l.min⁻¹.bar^{-½} (US k-factor of 14 gal.min⁻¹.psi^{-½})
- 14) Approved with recessed and adjustable escutcheon.
- 15) 141° head only approved when fitted with Job bulbs.
- 16) The VK130 & 132 sprinklers are stainless steel
- 17) Certificated to EN12259:1999 including amendment A1:2001
- 18) Certificated to the relevant clauses of EN12259:1999 and LPS1039
- 19) Certificated to EN12259-1:1999 A3:2006
- 20) Approved with Polished Chrome and Painted White finished coverplates


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