## CERTIFICATE OF COMPLIANCE

Certificate Number Report Reference Issue Date 20181121-EX643 EX643-19950512 2018-NOVEMBER-21

Issued to: VIKING CORP 210 N INDUSTRIAL PARK RD HASTINGS MI 49058

This certificate confirms that representative samples of

SPRINKLERS, AUTOMATIC AND OPENREFER ADDENDUM PAGE FOR MODELS

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Additional Information: UL 199 - Automatic Sprinklers for Fire-Protection Service See the UL Online Certifications Directory at <u>https://iq.ulprospector.com</u> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

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Bruce Mahrenholz, Director North American Certification Program



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Automatic sprinklers incorporating frangible 3, 5 and 3mm XS glass bulbs manufactured by Job GmbH and Norbulb, of the following models, types and temperature ratings.

Sprinklers rated 360°F utilize the 5 mm glass bulb only.

| SIN #   | DESCRIPTION   |
|---|---|
| VK001, VK002, VK003, VK004, VK100,<br>VK102, VK118, VK120, VK200, VK202,<br>VK550, VK560  | 2.8, 4.2, 5.6, and 8.0 K. Standard<br>Response Upright, Pendent,<br>Conventional,<br>Concealed and Intermediate   |
| VK300, VK302, VK310, VK325, VK327,<br>VK329, VK331, VK350, VK352, VK354,<br>VK556, VK566  | 2.8, 4.2, 5.6 and 8.0 K.<br>Quick Response Upright, Pendent,<br>Conventional, Concealed and<br>Intermediate   |
| VK104   | 5.6 K. Standard Response<br>Horizontal Side Wall  |
| VK304, VK305, VK333   | 2.8 and 5.6 K. Quick Response<br>Horizontal Sidewall  |
| VK600, VK602, VK604, VK605, VK606,<br>VK610, VK612, VK614,<br>VK616                       | 5.6 and 8.0 K. Quick Response and<br>Standard Response Extended<br>Coverage   |
| VK015, VK021, VK023, VK116, VK122,<br>VK124, VK315, VK317, VK319, VK340,<br>VK342, VK344, | 2.8 and 5.6 K. High Pressure Quick<br>Response and Standard Response  |
|   | 5.6 K. Stainless Steel  |
|   |   |
| VK550, VK556,VK560,VK566  | 5.6 and 8.0 K. Upright Intermediate<br>Level Standard and Quick<br>Response   |
| VK338, VK339  | 5.6 K. Stainless Steel<br>Quick Response  |
|   | VK001, VK002, VK003, VK004, VK100,<br>VK102, VK118, VK120, VK200, VK202,<br>VK550, VK560   VK300, VK302, VK310, VK325, VK327,<br>VK329, VK331, VK350, VK352, VK354,<br>VK556, VK566   VK104   VK304, VK305, VK333   VK600, VK602, VK604, VK605, VK606,<br>VK610, VK612, VK614,<br>VK616   VK015, VK021, VK023, VK116, VK122,<br>VK124, VK315, VK317, VK319, VK340,<br>VK558   VK550, VK556, VK560, VK566   VK550, VK556, VK560, VK566 |

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Bruce Mahrenholz, Director North American Certification Program UL LLC



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| SIN #   | DESCRIPTION   | REMARKS   |
|---|---|---|
| All Models  | Chrome plated, Bright Brass<br>and Nickel plated quick<br>response.                     | Ratings – 135, 155, 175, 200 and 286°F,<br>installation indicated by deflector.         |
| All Models  | Wax coated. Standard<br>Response Only.  | Ratings – 135, 155, 175, 200 and 286°F+.  |
| All Models  | Lead coated.  | Ratings – 135, 155, 175, 200 and 286°F.<br>Installation, pendent and upright.           |
| All Models  | IVC Poly 99 Polyester coated.   | Ratings – 135, 155, 175, 200 and 286°F.<br>Installation indicated by deflector.         |
| All Models  | IVC Poly 99 Polyester<br>coated. Quick Response.  | Ratings – 135, 155, 175, 200 and 286°F.<br>Installation, upright and pendent only.      |
| All Models  | Teflon coated.  | Ratings – 135, 155,175, 200 and 286°F.<br>Installation as indicated by deflector.       |
| All Models  | Teflon coated quick response.   | Ratings – 135, 155, 175, 200 and 286°F.<br>Installation, upright and pendent only.      |
| All Models  | IVC Poly 99 Polyester coated<br>quick response<br>corrosion resistant in<br>all colors. | Ratings – 135, 155, 175, 200 and 286°F.<br>Installation as indicated by deflector.      |
| SIN's VK100, VK102,<br>VK116, VK200, VK202,<br>VK300,<br>VK302, VK350 and VK352 | Nickel Teflon Corrosion<br>Resistant Coating  | Ratings- 135, 155, 175, 200,286, 360 and 500°F. Installation as indicated by deflector. |

+ - Uses 200°F wax for installation where ambient temperature does not exceed 150°F.

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