

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170228-EX3836  
**Report Reference** EX3836-20100331  
**Issue Date** 2017-FEBRUARY-28

**Issued to:** VIKING CORP  
210 INDUSTRIAL PARK DR  
HASTINGS MI 49058-9706

**This is to certify that  
representative samples of**

RESIDENTIAL AUTOMATIC SPRINKLERS; RESIDENTIAL  
AUTOMATIC SPRINKLERS CERTIFIED FOR EUROPE

See addendum page for models

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

**Standard(s) for Safety:**

UL1626 - Standard for Residential Sprinklers for Fire-  
Protection Service

ULC/ORD C-1626-03 - Other Recognized Document for  
Residential Sprinklers for Fire-Protection Service

**Additional Information:**

See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170228-EX3836  
**Report Reference** EX3836-20100331  
**Issue Date** 2017-FEBRUARY-28

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

VK480 and VK4800, concealed horizontal sidewall style, 1/2 in. N.P.T., discharge coefficient “K” = 4.0, (quick response link) heat responsive element, 1/4 in. adjustment, 165°F temperature rated residential sprinkler. VK490 concealed horizontal sidewall style, 1/2 in. N.P.T., discharge coefficient “K” = 5.8, (quick response link) heat responsive element, 1/4 in. adjustment, 165 and 205°F temperature rated residential sprinkler.

These sprinklers have a maximum pressure of 175 psig for wet systems only for spacings and flow rates as indicated below:

### FOR INSTALLATIONS BELOW SMOOTH FLAT CEILING

	SIN	Style	Cover Temp. Rating, °F	Sprinkler Temp. Rating, °F	Nom. K-Factor	Maximum Sprinkler Spacing, ft.	Ceiling to Deflector Distance, in.	Minimum Flow, gpm/ Sprinkler	Flowing Pressure, psig
USL, CNL, ULEU	VK480	Conc. HSW	135	165	4.0	12 by 12	4-6	11	7.6
USL, CNL, ULEU	VK480	Conc. HSW	135	165	4.0	12 by 12	6-12	12	9.0
USL, CNL, ULEU	VK480	Conc. HSW	135	165	4.0	14 by 14	4-6	13	10.6
USL, CNL, ULEU	VK480	Conc. HSW	135	165	4.0	14 by 14	6-12	14	12.3
USL, CNL	VK480	Conc. HSW	135	165	4.0	16 by 16	4-12	16	16.0
USL, CNL, ULEU	VK480	Conc. HSW	135	165	4.0	16 by 18	4-6	17	18.1
USL, CNL, ULEU	VK480	Conc. HSW	135	165	4.0	16 by 18	6-12	18	20.3
USL, CNL	VK480 0	Conc. HSW	135	165	4.0	12 by 12	4-6	11	7.6
USL, CNL	VK480 0	Conc. HSW	135	165	4.0	12 by 12	6-12	12	9.0
USL, CNL	VK480 0	Conc. HSW	135	165	4.0	14 by 14	4-6	13	10.6
USL, CNL	VK480 0	Conc. HSW	135	165	4.0	14 by 14	6-12	14	12.3
USL, CNL	VK480 0	Conc. HSW	135	165	4.0	16 by 16	4-12	16	16.0
USL, CNL	VK480 0	Conc. HSW	135	165	4.0	16 by 18	4-6	17	18.1
USL, CNL	VK480 0	Conc. HSW	135	165	4.0	16 by 18	6-12	18	20.3
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	12 by 12	4-6	16	7.6
USL, CNL	VK490	Conc. HSW	135,165	165,205	5.8	12 by 12	6-12	17	8.6

*B. Mahrenholz*

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/about/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170228-EX3836  
**Report Reference** EX3836-20100331  
**Issue Date** 2017-FEBRUARY-28

ULEU									
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	14 by 14	4-12	17	8.6
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	16 by 16	4-6	18	9.6
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	16 by 16	6-12	19	10.7
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	16 by 18	4-12	21	13.1
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	16 by 20	4-6	23	15.7
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	16 by 20	6-12	26	20.1
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	16 by 22	4-12	31	28.6
USL, CNL, ULEU	VK490	Conc. HSW	135,165	165,205	5.8	18 by 20	4-12	28	23.2



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

