

# VNWH.EX5085 - Sprinklers, Early Suppression Fast Response

## Sprinklers, Early Suppression Fast Response

See General Information for Sprinklers, Early Suppression Fast Response

### VIKING CORP

210 INDUSTRIAL PARK DR  
HASTINGS, MI 49058-9706 USA

Models VK500, VK502, VK503, VK504, VK506 and VK510 are fusible element type. Model VK5101 is glass bulb type.

EX5085

SIN	K-Factor	Type	Temp Rating, °F
VK500	14.0	Pendent	165, 205
VK503	16.8	Pendent	165, 205
VK506	22.4	Pendent	165, 205
VK5101	25.2	Pendent	155, 200

### DRY TYPE ESFR SPRINKLERS

SIN	Nom K-Factor	Type	Max Length, in.	Temp Rating, °F
VK502	14.0	Pendent	36	165
VK504	16.8	Pendent	36	165, 205

### SPECIFIC APPLICATION ESFR SPRINKLERS

SIN	K-Factor	Type	Fire Risk	Temp Rating, °F
VK510	25.2	Pendent	+	165, 205

+ The specific application ESFR sprinklers are intended to be installed using the same installation, obstruction and construction criteria as is applicable to ESFR Sprinklers, except the maximum deflector distance below the ceiling when installed in nominal 45 ft. high ceilings is 14 inches.

### SPECIFIC APPLICATION ESFR SPRINKLERS FOR USE WITH ANTIFREEZE SYSTEMS

SIN	K-Factor	Type	Temp Rating, °F
VK510	25.2	Pendent	165, 205

Max Building Height, ft	Max Storage Height, ft	Min System Working Pressure, psig
45.25+	40	60

40+	35	40
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+ For use with a maximum 50% by volume of propylene glycol and water antifreeze solution a maximum system volume of 1100 gallons for protection of Class II Commodity.

The SIN VK510 specific application ESFR sprinkler is intended to be installed using the same installation, obstruction and construction criteria as is applicable to ESFR Sprinklers with a nominal K-factor of 25.2 except the maximum deflector distance below the ceiling when installed in nominal 45 ft. high ceilings is 14 inches.

### SPECIFIC APPLICATION ESFR SPRINKLERS

SIN	K-Factor	Type	Fire Risk	Temp Rating, °F
VK514	28	Pendent	+	165, 205
VK5141	28	Pendent	++	155, 200

+ The Model VK514 fusible element type sprinkler is intended for use in accordance with NFPA 13, to protect single- and double-row rack storage (no open top containers or solid shelves) and palletized and solid pile storage (no open top containers or solid shelves) of Class I-IV commodities encapsulated or nonencapsulated and cartoned, unexpanded Group A plastics when installed with minimum 6 ft. aisle spaces in the following building and storage heights and minimum pressures.

++ The Model VK5141 glass bulb type sprinkler is intended for use in accordance with NFPA 13, to protect single- and double-row rack storage (no open top containers or solid shelves) and palletized and solid pile storage (no open top containers or solid shelves) of Class I-IV commodities encapsulated or nonencapsulated and cartoned, unexpanded Group A plastics when installed with minimum 5 ft. aisle spaces in the following building and storage heights and minimum pressures.

Max Building Height, ft	Max Storage Height, ft	Min System Working Pressure, psig
48	43	35

The Model VK514 specific application ESFR sprinkler is intended to be installed using the same installation, obstruction and construction criteria as is applicable to Early Suppression Fast Response Sprinklers except that the sprinklers may be installed up to 14 in. below the ceiling with 6 ft. aisle width.

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