

**TECHNICAL BULLETIN****INSTASEAL® WELDED SPRINKLER  
FITTINGS - COMPATIBLE  
SPRINKLERS****1. DESCRIPTION**

This bulletin shows all Viking NPT sprinklers that are available to be used with the Model IS-W2 InstaSeal® Welded Sprinkler Fittings as well as the associated tool for aligning the sprinkler frame arms.

Always refer to the sprinkler's technical data page and the InstaSeal installation instructions for important installation information.

Click below to jump to:

- 1" NPT ESFR Sprinklers
- 3/4" NPT ESFR Sprinklers
- 3/4" NPT Extra Large Orifice (ELO) Sprinklers
- 3/4" NPT Model XT1 Sprinklers (8.0K)
- 1/2" NPT Model XT1 Sprinklers (5.6K)
- Repair Kits

**2. LISTINGS AND APPROVALS**

For Listing and Approval specifications, refer to the sprinkler's technical data sheet.

**⚠ CAUTION**

**DO NOT USE sprinkler wrenches with the InstaSeal fittings.**

**NOTICE**

**NFPA 25 requires that one sprinkler wrench as specified by the sprinkler manufacturer shall be provided for each type of sprinkler installed to be used for the removal and installation of sprinklers in the system.**

**In order to meet this criteria, Viking recommends providing the applicable alignment tool in the sprinkler cabinet for each type of sprinkler installed in the InstaSeal fittings.**



### 3. IS-W2 COMPATIBLE SPRINKLERS

Refer to the applicable category below for sprinklers that are compatible for installation into IS-W2 fittings.

#### 3.1 IS-W2 InstaSeal compatible 1" NPT sprinklers

SIN	Part Number (NPT)	Temperature	Thread Size	Description	Alignment Tool	Repair Kit Part Number <sup>1</sup>
VK506	18493AC-TQ	165 °F	1" NPT	ESFR, K22	24838 (1" side)	26595
	18493AE-TQ	205 °F			26610 (Side B)	
VK510	12080AC-TQ	165 °F	1" NPT	ESFR, K25	24838 (1" side)	
	12080AE-TQ	205 °F			26610 (Side B)	
VK514	22894AC-TQ	165 °F	1" NPT	ESFR, K28	24838 (1" side)	
	22894AE-TQ	205 °F			26610 (Side B)	
VK592	14243AC-TQ	160 °F	1" NPT	CMSA, K19.6	24838 (1" side)	
	14243AE-TQ	205 °F			26610 (Side B)	
VK595	16859AC-TQ	165 °F	1" NPT	CMDA/ CMSA, 25.2	26834	
	16859AE-TQ	212 °F				
	16885AC-TQ	165 °F				
	16885AE-TQ	212 °F				
VK598	19522AB-TQ	155 °F	1" NPT	Standard, K25.2	24838 (1" side)	
	19522AD-TQ	175 °F			26610 (Side B)	
	19522AE-TQ	200 °F				
	19522AG-TQ	286 °F				
VK5141	25247AB-TQ	155 °F	1" NPT	ESFR, K28	24838 (1" side)	
	25247AE-TQ	200 °F			26610 (Side B)	

<sup>1</sup> IS-W2 repair kit includes gasket removal tool (1), push-rod (1), nozzle (1), and 1" gaskets (6). Refer to Figure 1 below.

#### 3.2 IS-W2 InstaSeal compatible 1" NPT sprinklers with Guards Factory-Installed

For installation instructions, refer to document F\_021223.

SIN	Part Number (NPT)	Temperature	Thread Size	Description	Alignment Tool	Repair Kit Part Number <sup>1</sup>
VK506	18493ACG	165 °F	1" NPT	ESFR, K22	--	26595
	18493AEG	205 °F				
VK510	12080ACG	165 °F	1" NPT	ESFR, K25		
	12080AEG	205 °F				
VK514	22894AC-G	165 °F	1" NPT	ESFR, K28		
	22894AEG	205 °F				

<sup>1</sup>IS-W2 repair kit includes gasket removal tool (1), push-rod (1), nozzle (1), and 1" gaskets (6). Refer to Figure 1 below.

### 3.3 IS-W2 InstaSeal compatible 3/4" NPT ESFR sprinklers

SIN	Part Number (NPT)	Temperature	Thread Size	Description	Alignment Tool	Repair Kit Part Number <sup>1</sup>
VK500	10284AC-TQ	165 °F	3/4" NPT	ESFR, K14	24838 (3/4" side)	26596
	10284AE-TQ	205 °F				
	27393AC-TQ	165 °F	3/4" NPT	ESFR, K14	26610 (Side C) 27829 (Side C) <sup>2</sup>	
	27393AE-TQ	205 °F				
VK503	14073AC-TQ	165 °F	3/4" NPT	ESFR, K16.8	24838 (3/4" side)	
	14073AE-TQ	205 °F				
	27394AC-TQ	165 °F	3/4" NPT	ESFR, K16.8	26610 (Side C) 27829 (Side C) <sup>2</sup>	
	27394AE-TQ	205 °F				

<sup>1</sup> IS-W2 repair kit includes gasket removal tool (1), push-rod (1), nozzle (1), and 3/4" gaskets (6). Refer to Figure 1 below.

<sup>2</sup> For use with a sprinkler that has an ES series Water Shield installed.

### 3.4 IS-W2 InstaSeal compatible 3/4" NPT ELO sprinklers

SIN	Base Part Number <sup>1</sup> (NPT)	Finish	Temperature	Thread Size	Description	Alignment Tool	Repair Kit Part Number <sup>2</sup>
VK377	08337XX-TQ	All finishes	All temperatures	3/4" NPT	ELO, Quick Response Pendent K11.2 CMDA	26677	26596
VK536	07961XX-TQ	All finishes except wax coated	All temperatures	3/4" NPT	ELO, Standard Response Pendent K11.2 CMDA	26677	
VK530	09679XX-TQ	All finishes except wax coated	All temperatures	3/4" NPT	ELO, Standard Response Upright K11.2 CMDA	26677	
VK531	10633XX-TQ	All finishes	All temperatures	3/4" NPT	ELO, Quick Response Upright K11.2 CMDA	26677	

<sup>1</sup> Where "XX" shows in the base part number, enter the suffixes for the desired finish and temperature. Refer to the applicable sprinkler's technical data.

<sup>2</sup> IS-W2 repair kit includes gasket removal tool (1), push-rod (1), nozzle (1), and 3/4" gaskets (6). Refer to Figure 1 below.



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### 3.5 IS-W2 InstaSeal compatible 3/4" NPT Model XT1 sprinklers (8.0K)

SIN	Base Part Number <sup>1</sup> (NPT)	Finish	Temperature	Thread Size	Description	Alignment Tool	Repair Kit Part Number <sup>2</sup>
VK2001	23875XX	All finishes	All temperatures	3/4" NPT	Standard Response Upright	26676	26596
VK2021	23876XX	All finishes	All temperatures	3/4" NPT	Standard Response Pendent	26676	
VK3501	23877XX	All finishes	All temperatures	3/4" NPT	Quick Response Upright	26676	
VK3521	23878XX	All finishes	All temperatures	3/4" NPT	Quick Response Pendent	26676	

<sup>1</sup> Where "XX" shows in the base part number, enter the suffixes for the desired finish and temperature. Refer to the applicable sprinkler's technical data.

<sup>2</sup> IS-W2 repair kit includes gasket removal tool (1), push-rod (1), nozzle (1), and 3/4" gaskets (6). Refer to Figure 1 below.

### 3.6 IS-W2 InstaSeal compatible 1/2" NPT Model XT1 sprinklers (5.6K)

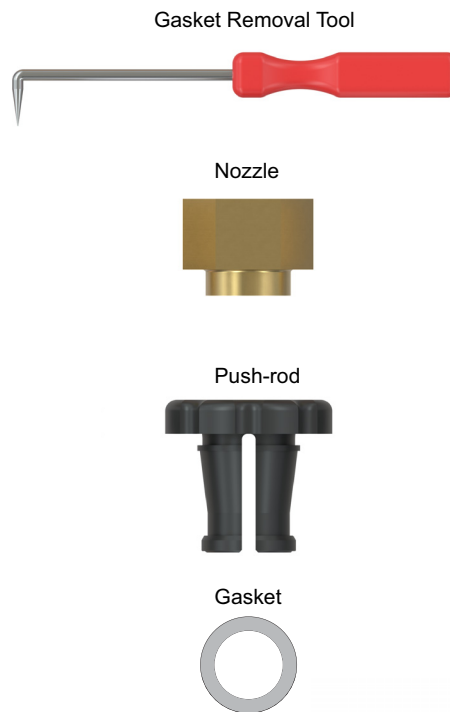
SIN	Base Part Number <sup>1</sup> (NPT)	Finish	Temperature	Thread Size	Description	Alignment Tool	Repair Kit Part Number <sup>2</sup>
VK1001	23867XX	All finishes	All temperatures	1/2" NPT	Standard Response Upright	26676	26597
VK1021	23868XX	All finishes	All temperatures	1/2" NPT	Standard Response Pendent	26676	
VK3001	23869XX	All finishes	All temperatures	1/2" NPT	Quick Response Upright	26676	
VK3021	23870XX	All finishes	All temperatures	1/2" NPT	Quick Response Pendent	26676	

<sup>1</sup> Where "XX" shows in the base part number, enter the suffixes for the desired finish and temperature. Refer to the applicable sprinkler's technical data.

<sup>2</sup> IS-W2 repair kit includes gasket removal tool (1), push-rod (1), nozzle (1), and 3/4" gaskets (6). Refer to Figure 1 below.

#### 3.7 IS-W2 REPAIR KIT

**NOTE:** Item sizes vary by kit part number.



**Figure – 1: Repair Kit Components**