	<h2 style="margin: 0;">TECHNICAL DATA</h2>	<h3 style="margin: 0;">MODEL FSC-28B PRE-ASSEMBLED EXTENSION NIPPLE</h3>
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The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

1. DESCRIPTION

Specific Viking sprinklers are pre-packaged (10) units per carton, factory installed on to the outlet reducer fittings and are pressure tested. Refer to Table 1 for sprinklers available pre-assembled as Flexible Sprinkler Connection Assemblies.

2. LISTINGS AND APPROVALS

For specific listings and design criteria refer to the [Model FSC-28B Braided Flexible Sprinkler Connection](#) data page, Form No. F_012213.

Also refer to specific sprinkler technical data pages for sprinkler approvals, listings, and other technical information.

3. TECHNICAL DATA

Specifications:

Available since 2013.

- Outlet reducer straight with 1/2" or 3/4" NPT female thread.
- Maximum Working Pressure = 200 PSI (13.8 bar)
- Test Pressure = 300 PSI (21 bar)
- Maximum ambient temperature: 225 °F (107 °C) EPDM seal

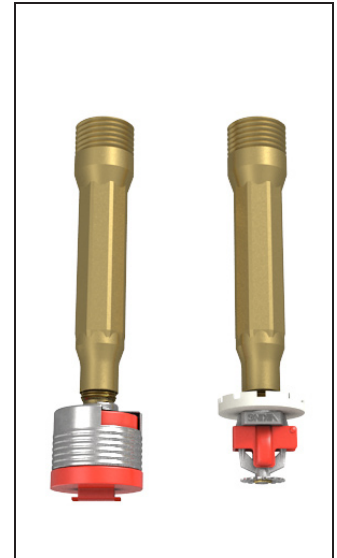
WARNING! Refer to the sprinkler technical data page, as the temperature rating and maximum pressure rating of the sprinkler may be different than the Flexible Sprinkler Connection.

Material Standards:

Outlet Extension Nipple (Straight): SPPS Steel (ASTM A53 A) with yellow zinc plating

Sprinkler: See specific sprinkler tech data page for sprinkler component materials.

Ordering Information: (Also refer to the current Viking price list.)



Model FSC-28B Pre-assembled

Viking Technical Data may be found on
The Viking Corporation's Web site at
<http://www.vikinggroupinc.com>.
The Web site may include a more recent
edition of this Technical Data Page.

**TABLE 1a
FRAME STYLE SPRINKLERS AVAILABLE TO ORDER ON MODEL FSC-28B PRE-ASSEMBLED EXTENSION NIPPLE**

SIN	Sprinkler Description	Sprinkler Base Part No. ¹	Add Finish and Temperature Suffix										Add Outlet Extension Nipple Suffix	Add Escutcheon Suffix (If Applicable)							
			Chr		Wht		Chr		Wht		Chr			Wht		Model E-1		Model E-2		Model F-1	
			135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)	2812 = 1/2"	2834 = 3/4"	Chr	Wht	Chr		Wht	Chr	Wht					
VK329	Microfast® QR Pendent K2.8	06718B	FA	MA/W	FB	MB/W	FD	MD/W	FE	ME/W	FG	MG/W	2812	1F	1W	2F	2W	3F	3W		
VK331	Microfast® QR Pendent K4.2	06720B	FA	MA/W	FB	MB/W	FD	MD/W	FE	ME/W	FG	MG/W	2812	1F	1W	2F	2W	3F	3W		
VK302	Microfast® QR Pendent K5.6	12979	FA	MA/W	FB	MB/W	FD	MD/W	FE	ME/W	FG	MG/W	2812	1F	1W	2F	2W	3F	3W		
VK352	Microfast® QR Pendent K8.0	06666B	FA	MA/W	FB	MB/W	FD	MD/W	FE	ME/W	FG	MG/W	2812	1F	1W	2F	2W	3F	3W		
VK602	Microfast® QREC Pendent K8.0	07077	FA	MA/W	FB	MB/W	FD	MD/W	--	--	--	--	2834	1F	1W	2F	2W	3F	3W		
VK608	EC/QREC ELO LH Pendent K11.2	08339	FA	MA/W	FB	MB/W	FD	MD/W	--	--	--	--	2834	1F	1W	2F	2W	3F	3W		
VK534	EC/QREC ELO LH/OH Pendent K11.2	08340	FA	MA/W	FB	MB/W	FD	MD/W	FE	ME/W	FG	MG/W	2834	1F	1W	2F	2W	3F	3W		
VK572	SR/QR EC OH Pendent K14	13722	--	--	FB	MB/W	FD	MD/W	FE	ME/W	FG	MG/W	2834	1F	1W	2F	2W	3F	3W		



TECHNICAL DATA

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TABLE 1b

CONCEALED SPRINKLERS AVAILABLE TO ORDER ON MODEL FSC-28B PRE-ASSEMBLED EXTENSION NIPPLE

SIN	Sprinkler Description	Sprinkler Base Part No. ¹	Add Temperature Suffix			Add Outlet Extension Nipple Suffix
			155°F (68°C)	175°F (79°C)	200°F (93°C)	2812 = 1/2" or 2834 = 3/4"
VK461	Mirage® SR/QR Concealed Pendent K2.8	13831A	B	D	E	2812
VK465	Mirage® QR Concealed Pendent K4.2	14262A	B	D	E	2812
VK462	Mirage® SR/QR Concealed Pendent K5.6	13503A	B	D	E	2812
VK464	Mirage® QR Concealed Pendent K8.0	13614A	B	D	E	2834
VK634	Mirage® QREC Concealed Pendent K8.0	14535A	B	D	E	2834

Instructions:

- For frame style sprinklers, add the sprinkler Finish and Temperature Rating Suffix to the Sprinkler Base Part No.
 - For Chrome sprinkler rated 135°F (57°C): Add the suffix "FA". For White sprinkler rated 135°F (57°C): Add the suffix "MA/W".
 - For Chrome sprinkler rated 155°F (68°C): Add the suffix "FB". For White sprinkler rated 155°F (68°C): Add the suffix "MB/W".
 - For Chrome sprinkler rated 175°F (79°C): Add the suffix "FD". For White sprinkler rated 175°F (79°C): Add the suffix "MD/W".
 - For Chrome sprinkler rated 200°F (93°C): Add the suffix "FE". For White sprinkler rated 200°F (93°C): Add the suffix "ME/W".
 - For Chrome sprinkler rated 286°F (141°C): Add the suffix "FG". For White sprinkler rated 286°F (141°C): Add the suffix "MG/W".
- Add the Outlet Extension Nipple Suffix:
 For the 28mm outlet extension nipple with a 1/2" NPT sprinkler: Add 2812.
 For the 28mm outlet extension nipple with a 3/4" NPT sprinkler: Add 2834.
- For frame style sprinklers (temperature ratings 135°F-200°F only), add the Escutcheon and Escutcheon Finish Suffix:
 - For frame style sprinklers with the Model E-1 Recessed Escutcheon: Add the suffix "/1F" for Chrome or "/1W" for White
 - For frame style sprinklers with Model E-2 Recessed Escutcheon: Add the suffix "/2F" for Chrome or "/2W" for White
 - For frame style sprinklers with the Model F-1 Adjustable Escutcheon: Add the suffix "/3F" for Chrome or "/3W" for White

Examples:

- Model FSC-28B Pre-Assembled Extension Nipple with concealed sprinkler VK462 with a 155 °F/68 °C temperature rating = Part Number 13503AB/2812.
- Model FSC-28B Pre-Assembled Extension Nipple with frame style sprinkler VK302 with a 155 °F/68 °C temperature rating, chrome finish, and the Model E-2 Escutcheon = Part Number 12979FB/2812/2F.

Note for Concealed Sprinklers VK461, VK462, VK464, VK465, and VK634: The cover plate must be ordered separately (refer to the sprinkler technical data page and Viking's current price list).

4. INSTALLATION

The sprinklers are factory installed onto the outlet extension nipple and are pressure tested. The pre-assembled sprinkler and outlet extension nipple replaces the outlet extension nipple that comes attached to the flexible hose assembly, See Figure 1.

For installation instructions for flexible hose assembly and bracket system assemble refer to the [Model FSC-28B Braided Flexible Sprinkler Connection](#) data page, Form No. F_012213.

5. OPERATION

Refer to the sprinkler technical data page for the sprinkler model used with the Flexible Sprinkler Connection Assembly.

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6. INSPECTIONS, TESTS AND MAINTENANCE

NOTICE: The owner is responsible for maintaining the fire protection system and devices in proper operating condition. For minimum maintenance and inspection requirements, refer to the latest edition of Viking technical data and the NFPA standard that describes care and maintenance of sprinkler systems. The Authority Having Jurisdiction may have additional maintenance, testing, and inspection requirements that must be followed.

- A. Sprinklers must be inspected on a regular basis for corrosion, mechanical damage, obstructions, paint, etc. The frequency of inspections may vary due to corrosive atmospheres, water supplies, and activity around the device.
- B. Sprinklers that have been field painted or mechanically damaged must be replaced immediately. Sprinklers showing signs of corrosion shall be tested and/or replaced immediately as required. Installation standards require sprinklers to be tested and, if necessary, replaced after a specified term of service. Refer to the installation standards (e.g., NFPA 25) and the Authority Having Jurisdiction for the specified period of time after which testing and/or replacement is required. Sprinklers that have operated cannot be reassembled or re-used, but must be replaced. When replacement is necessary, use only new sprinklers.
- C. The sprinkler discharge pattern is critical for proper fire protection. Therefore, nothing should be hung from, attached to, or otherwise obstruct the discharge pattern. All obstructions must be immediately removed or, if necessary, additional sprinklers installed.
- D. When replacing existing sprinklers, the system must be removed from service. Refer to the appropriate system description and/or valve instructions. Prior to removing the system from service, notify all Authorities Having Jurisdiction. Consideration should be given to employment of a fire patrol in the affected area.
 1. Remove the system from service, drain all water, and relieve all pressure on the piping.
 2. Using the special sprinkler wrench, remove the old sprinkler and install the new unit. Care must be taken to ensure that the replacement sprinkler is the proper model and style, with the appropriate orifice size, temperature rating, and response characteristics. A fully stocked spare sprinkler cabinet should be provided for this purpose.
 3. Place the system back in service and secure all valves. Check for and repair all leaks.
- E. Sprinkler systems that have been subjected to a fire must be returned to service as soon as possible. The entire system must be inspected for damage, and repaired or replaced as necessary. Sprinklers that have been exposed to corrosive products of combustion or high ambient temperatures, but have not operated, should be replaced. Refer to the Authority Having Jurisdiction for minimum replacement requirements.

7. AVAILABILITY

Viking Model FSC-28B Pre-Assembled Extension Nipples are available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.



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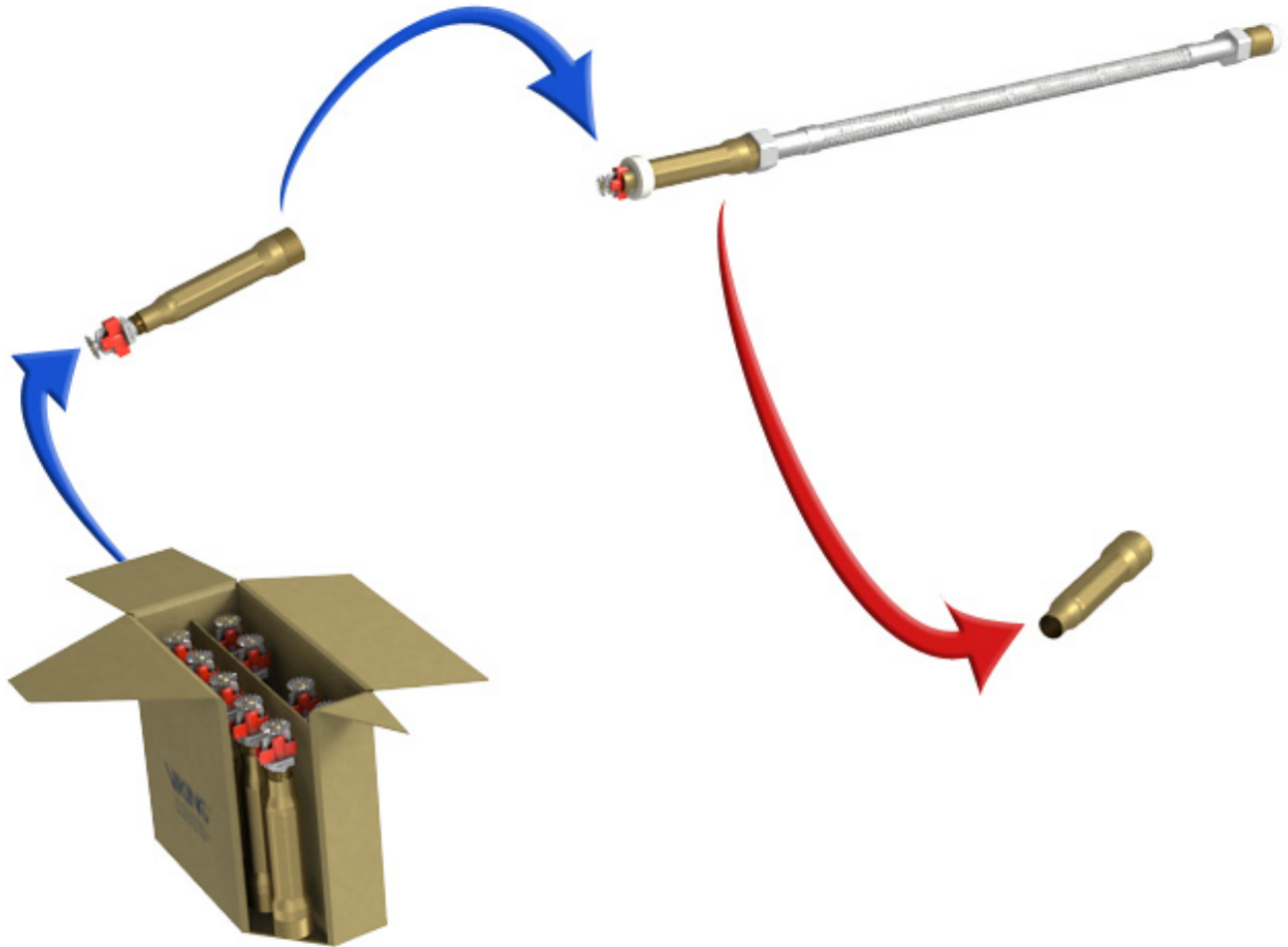


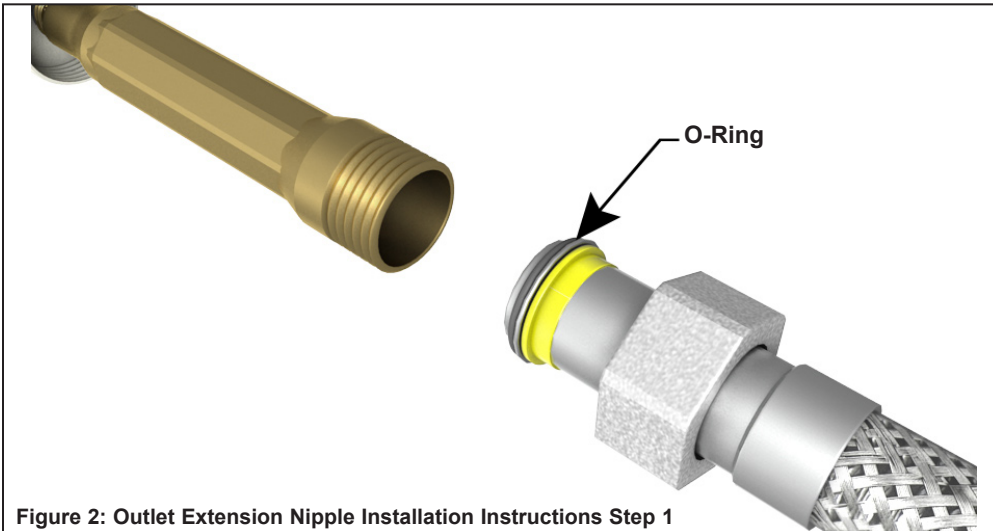
Figure 1: Pre-assembled Sprinkler and Outlet Extension Nipple Installation



TECHNICAL DATA

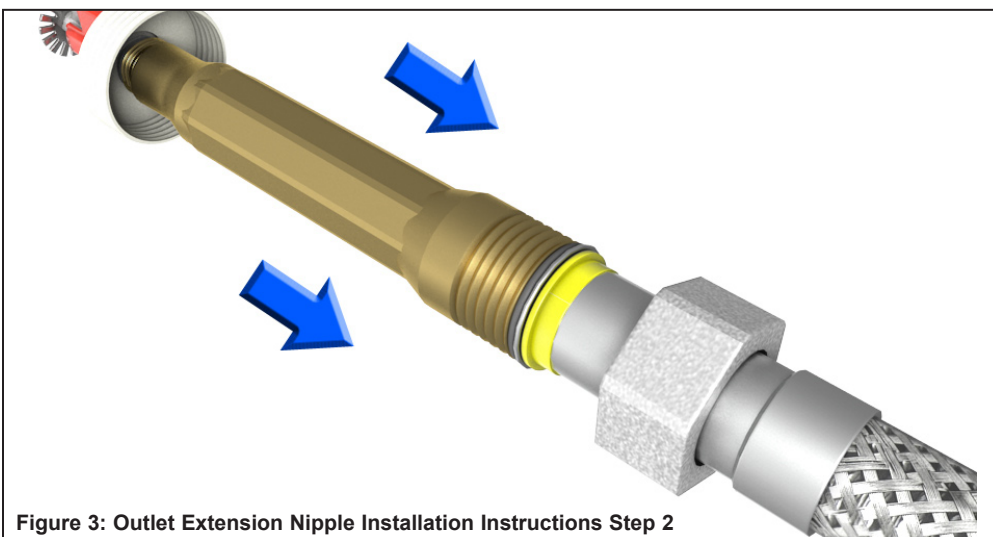
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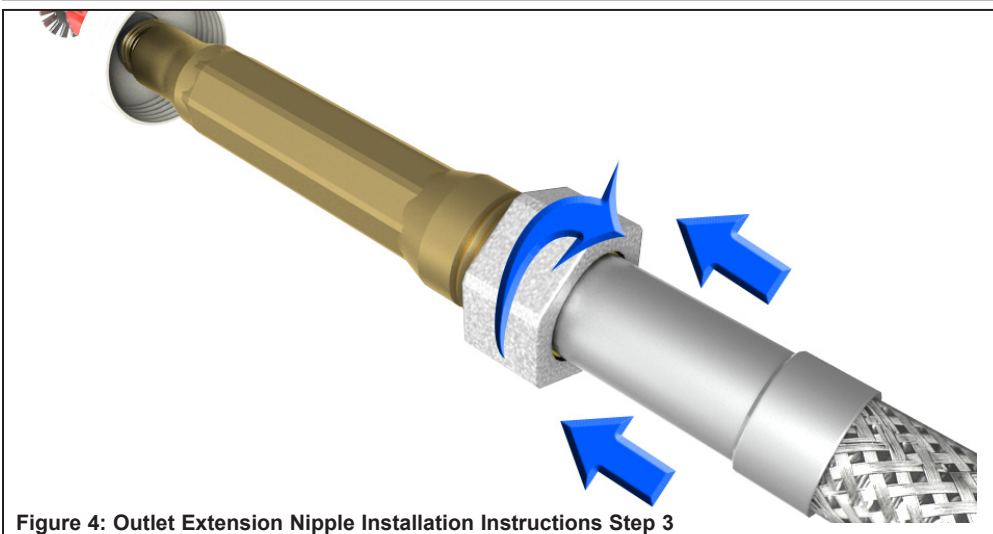
NOTE: Keep the O-Ring in position on the end of the Flexible Hose.

Figure 2: Outlet Extension Nipple Installation Instructions Step 1



NOTE: The outlet extension nipple needs to be positioned on the end of the flexible hose retaining the Black Rubber Seal in place.

Figure 3: Outlet Extension Nipple Installation Instructions Step 2



NOTE: Slide the slip nut back on to the outlet extension nipple threads with care and tighten to a torque of 75 in-lbs (1/2 turn past hand tight).

Figure 4: Outlet Extension Nipple Installation Instructions Step 3