

V10

Window Sprinklers

V1001, V1003, V1005, V1007, V1009, V1011, V1013



SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS



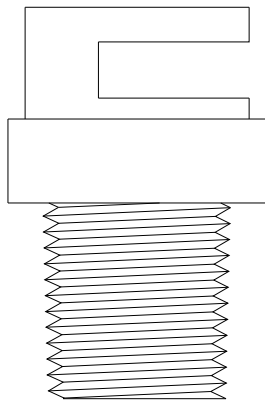
WINDOW SPRINKLERS

The Model V10 Window Sprinklers are specially designed open style nozzles that provide a 180° relatively flat fan-shaped spray pattern. They are generally used to provide a water curtain over a glass window or other opening to prevent fire/heat penetration. Other uses are to provide fire exposure protection from one closely located building to another and to protect steel beams and columns to preserve structural integrity.

The water flow to the Model V10 Window Sprinklers is controlled either by a manually operated control valve or by means of an automatically operated deluge system.

Model V10 Window Sprinklers may be installed in various positions depending on the hazard being protected. The Window Sprinkler installation diagram shown on page 3 represents a typical installation for the protection of glass windows. However, NFPA 13 should be consulted for the proper installation and spacing of the Model V10 Window Sprinklers.

TECHNICAL SPECIFICATIONS:



(EXAGGERATED FOR CLARITY)

Models: V1001, V1003, V1005, V1007, V1009, V1011, V1013

Style: Window Sprinkler

Nominal Orifice Size: See chart on page 2.

K-Factor: See chart on page 2.

Nominal Thread Size: See chart on page 2.

Max. Working Pressure: 175 psi/1200 kPa

MATERIAL SPECIFICATIONS

Body: Brass per UNS C36000

Finishes

- Plain Brass
- Chrome Plated and other Finishes Available Upon Request

For cabinets and other accessories refer to separate sheet.

JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

Approved _____

Date _____

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APPROVALS/LISTINGS

Model	Orifice Size		Thread Size		Nominal K-Factor		Height	
	Inches	mm	Inches	mm	Imperial	S.I. [^]	Inches	mm
V1001	¼		½		1.4		1 ¾	
	7		13		2.0		44	
V1003	⅜		½		2.0		1 ¾	
	8		13		2.9		44	
V1005	⅜		½		2.8		1 ¾	
	10		13		4.0		44	
V1007	7/16		½		4.2		1 ¾	
	11		13		5.9		44	
V1009	½		½		5.6		2 1/16	
	13		13		8.1		52	
V1011	7/32		¾		8.0		2 1/16	
	14		19		11.5		52	
V1013	⅝		¾		11.4		2 1/16	
	16		19		16.3		52	

‡ Listings and approval as of printing.

^ For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.

ORDERING INFORMATION




Please specify the following when ordering:

Sprinkler Model Number	
K-Factor	
Quantity	
Sprinkler Finish	

WARNING



⚠ **WARNING**

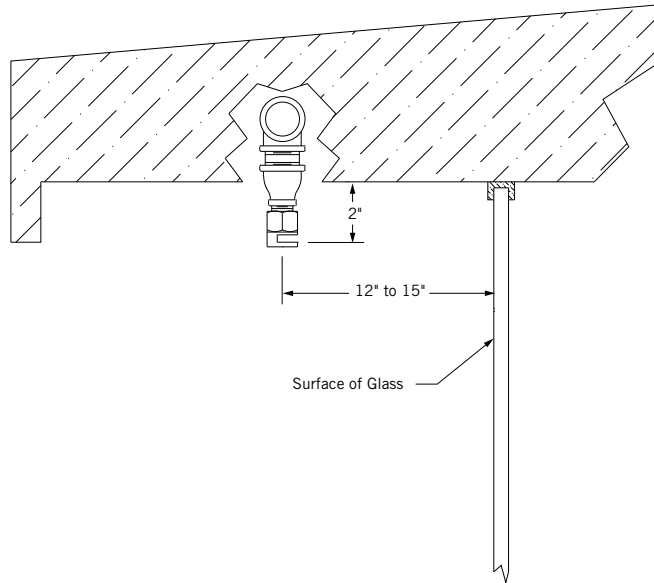
  	<ul style="list-style-type: none"> Always read and understand installation, care, and maintenance instructions, supplied with each box of sprinklers, before proceeding with installation of any sprinklers. Always wear safety glasses and foot protection. Depressurize and drain the piping system before attempting to install, remove, or adjust any Victaulic piping products. Installation rules, especially those governing obstruction, must be strictly followed. Painting, plating, or any re-coating of sprinklers (other than that supplied by Victaulic) is not allowed. <p>Failure to follow these instructions could result in serious personal injury and/or property damage.</p> <p>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 current National Fire Protection Association pamphlet that describes care and maintenance of sprinkler systems. In addition, the authority having jurisdiction may have additional maintenance, testing, and inspection requirements that must be followed.</p> <p>If you need additional copies of this publication, or if you have any questions about the safe installation of this product, contact Victaulic World Headquarters: P.O. Box 31, Easton, Pennsylvania 18044-0031 USA, Telephone: 001-610-559-3300.</p>
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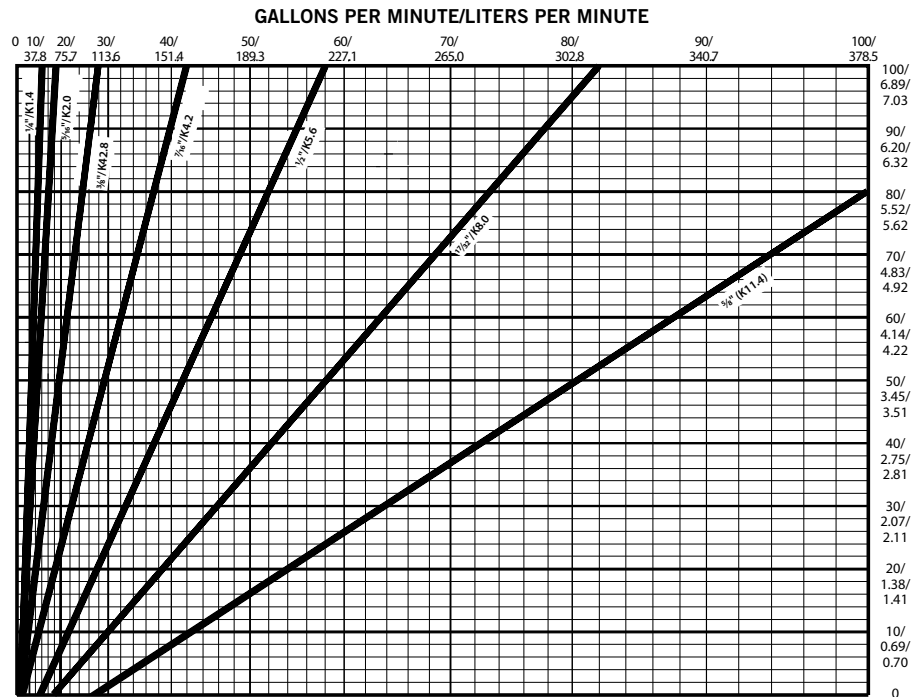
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DIMENSIONS



FLOW CHARACTERISTICS



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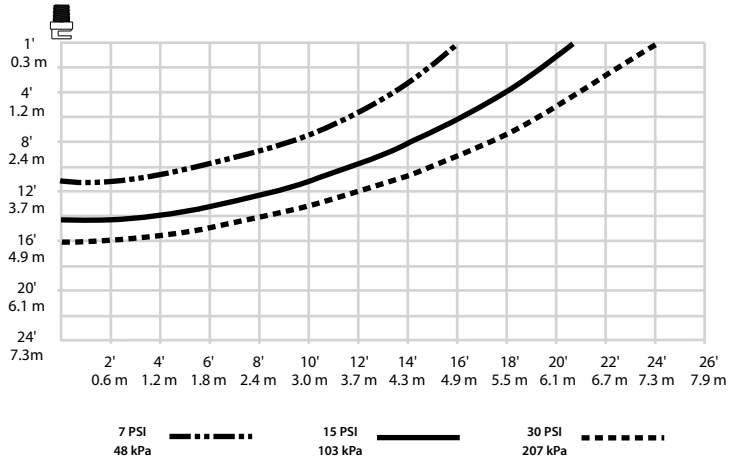
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DISTRIBUTION PATTERNS

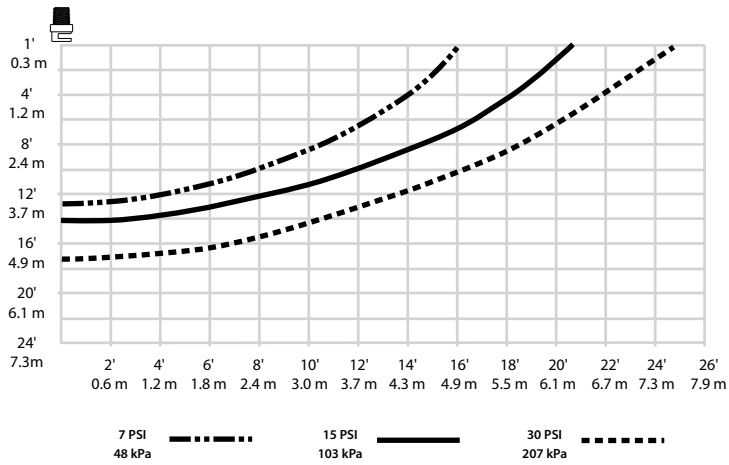
Model V1001

K1.4 Window Sprinkler Distribution Patterns – Plan View



Model V1003

K2.0 Window Sprinkler Distribution Patterns – Plan View



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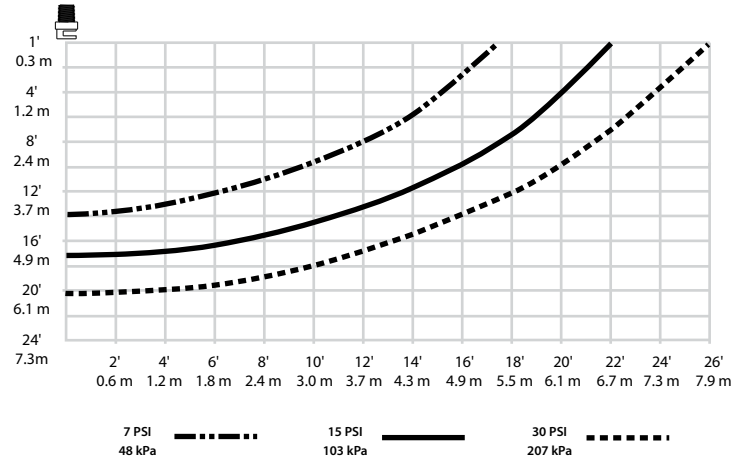
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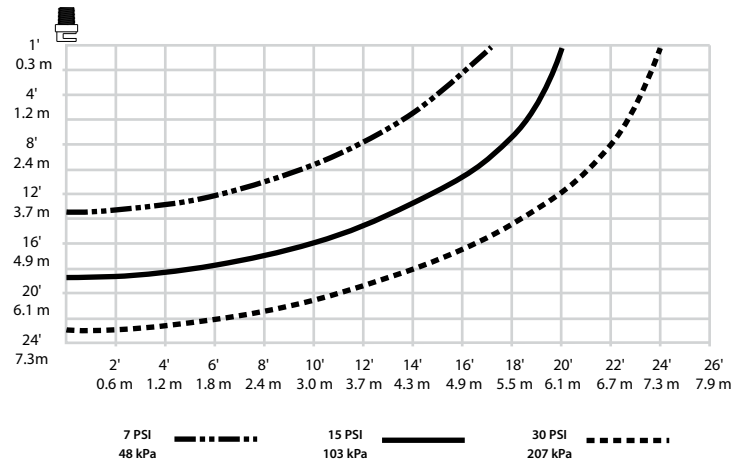
Model V1005

K2.8 Window Sprinkler Distribution Patterns – Plan View



Model V1007

K4.2 Window Sprinkler Distribution Patterns – Plan View



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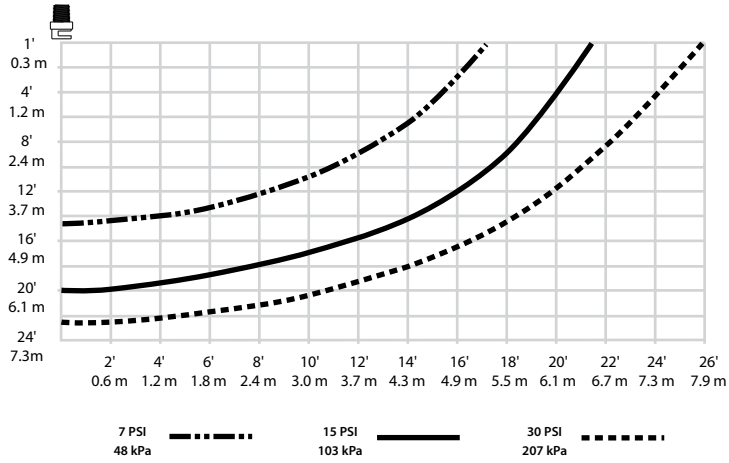
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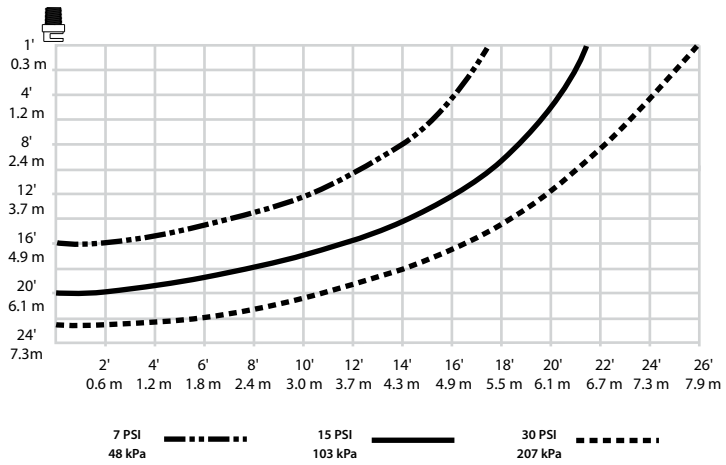
Model V1009

K5.6 Window Sprinkler Distribution Patterns – Plan View



Model V1011

K8.0 Window Sprinkler Distribution Patterns – Plan View



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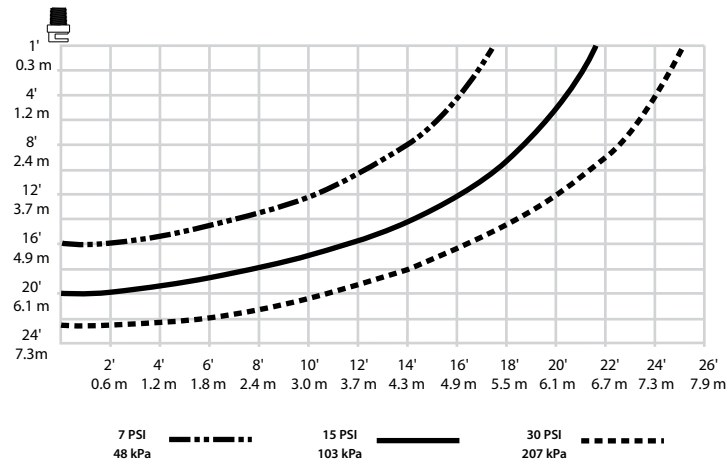
Window Sprinklers

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DISTRIBUTION PATTERNS

Model V1013

K11.4 Window Sprinkler Distribution Patterns – Plan View



NOTES:

1. Data shown is approximate and can vary due to differences in installation.
2. These graphs illustrate approximate trajectories, floor-wetting, and wall-wetting patterns for these specific Victaulic FireLock Automatic Sprinklers. They are provided as information for guidance in avoiding obstructions to sprinklers and should not be used as minimum sprinkler spacing rules for installation. Refer to the appropriate NFPA National Fire Code and the authority having jurisdiction for specific information regarding obstructions, spacing limitations and area of coverage requirements. Failure to follow these guidelines could adversely affect the performance of the sprinkler and will void all Listings, Approvals and Warranties.
3. All patterns are symmetrical to the centerline of the waterway.

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WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.



For complete contact information, visit www.victaulic.com

40.72 3180 REV C UPDATED 01/2008

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