

# V10

Models V1001, V1003, V1005, V1007  
V1009, V1011, V1013  
Window Sprinklers

## PRODUCT DESCRIPTION



Window Sprinklers



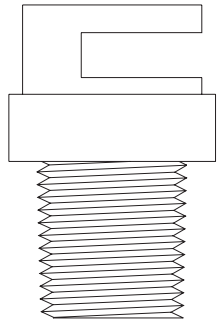
The Model V10 Window Sprinklers are specially designed open style nozzles that provide a 180° relatively flat fan-shaped spray pattern. They are generally used to provide a water curtain over a glass window or other opening to prevent fire/heat penetration. Other uses are to provide fire exposure protection 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.

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## APPROVALS/LISTINGS

Model	Orifice Size Inches millimeters	Thread Size Inches millimeters	Nominal K-Factor Imperial S.I.^	Height Inches millimeters
V1001	$\frac{1}{4}$ 7	$\frac{1}{2}$ 13	1.4 2,0	$1\frac{3}{4}$ 44
V1003	$\frac{5}{16}$ 8	$\frac{1}{2}$ 13	2.0 2,9	$1\frac{3}{4}$ 44
V1005	$\frac{3}{8}$ 10	$\frac{1}{2}$ 13	2.8 4,0	$1\frac{3}{4}$ 44
V1007	$\frac{7}{16}$ 11	$\frac{1}{2}$ 13	4.2 5,9	$1\frac{3}{4}$ 44
V1009	$\frac{1}{2}$ 13	$\frac{1}{2}$ 13	5.6 8,1	$2\frac{1}{16}$ 52
V1011	$\frac{17}{32}$ 14	$\frac{3}{4}$ 19	8.0 11,5	$2\frac{1}{16}$ 52
V1013	$\frac{5}{8}$ 16	$\frac{3}{4}$ 19	11.4 16,3	$2\frac{1}{16}$ 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

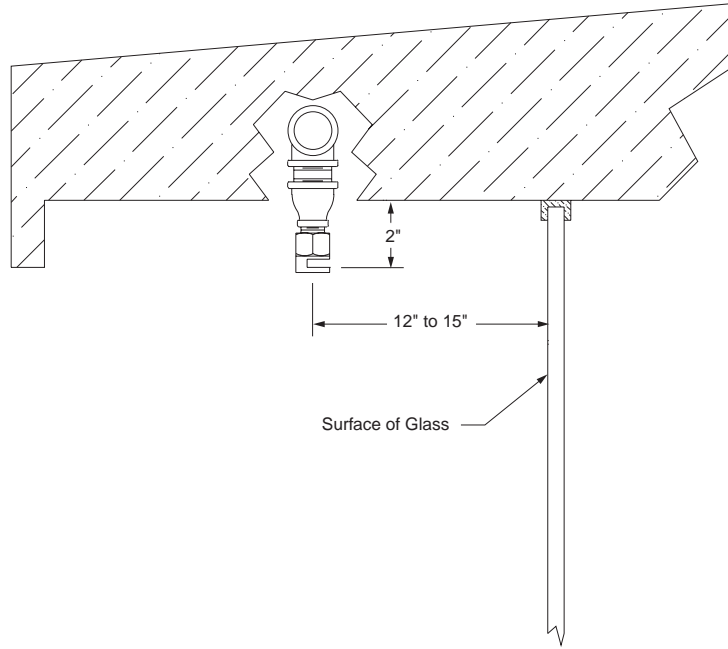


- Always read and understand installation, care, and maintenance instructions, supplied with each box of sprinklers, before proceeding with installation of any sprinklers.
  - Always wear safety glasses and foot protection.
  - Depressurize and drain the piping system before attempting to install, remove, 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.
- Failure to follow these instructions could result in serious personal injury and/or property damage.

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.

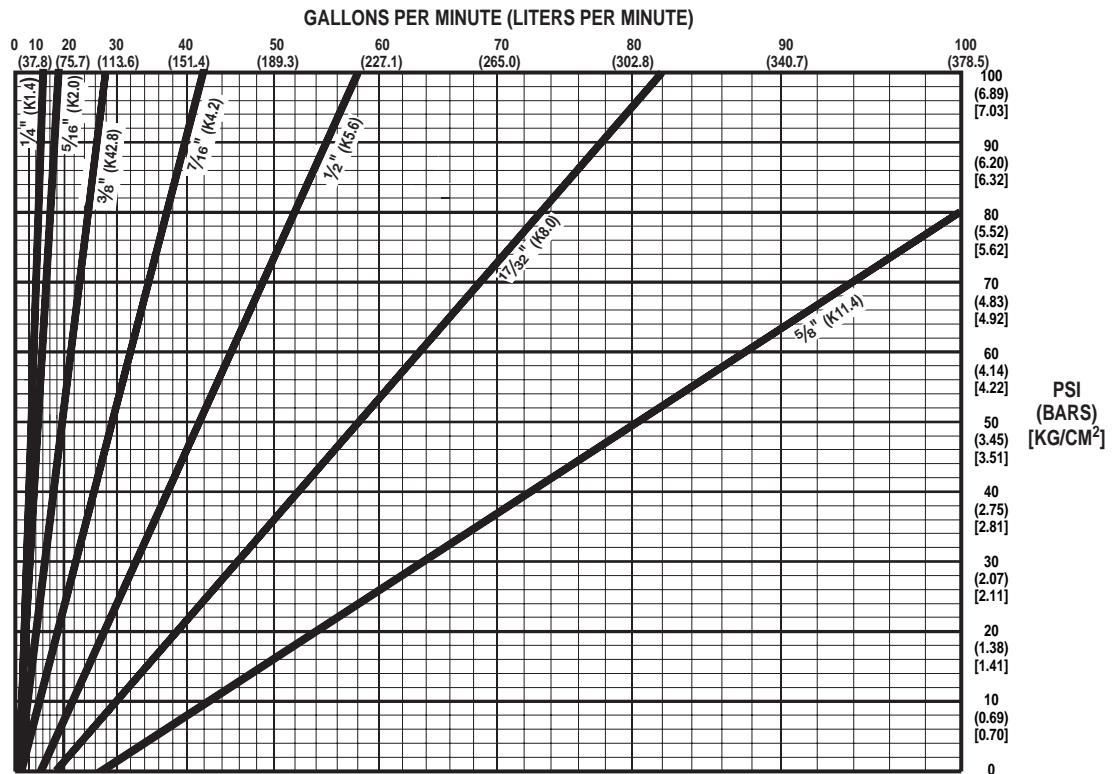
If you need additional copies of this publication, or if you have any questions about the safe installation of this product, contact Victaulic World Headquarters, P.O. Box 31, Easton, Pennsylvania 18044-0031, 610-559-3300.

# DIMENSIONS



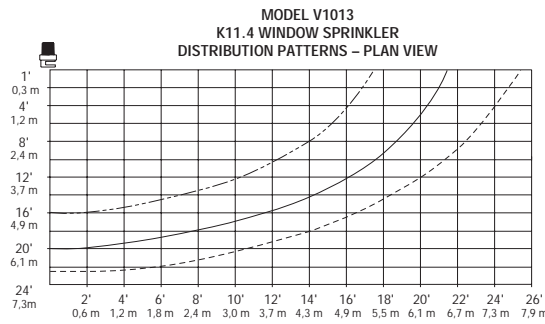
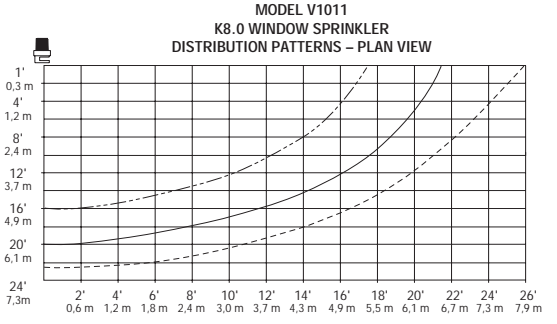
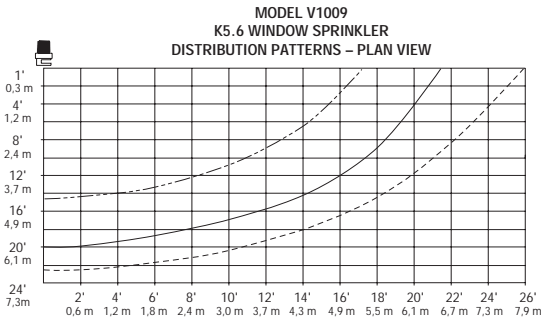
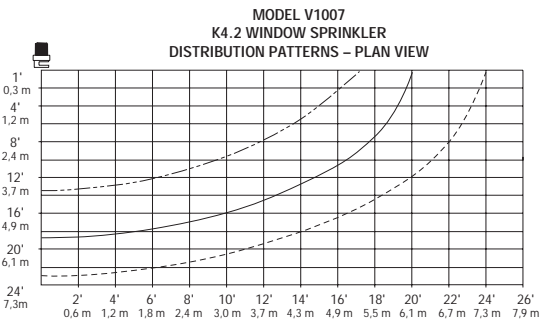
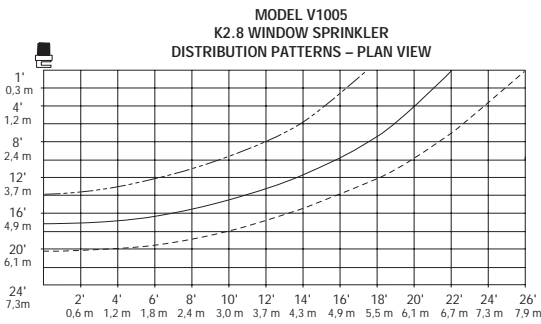
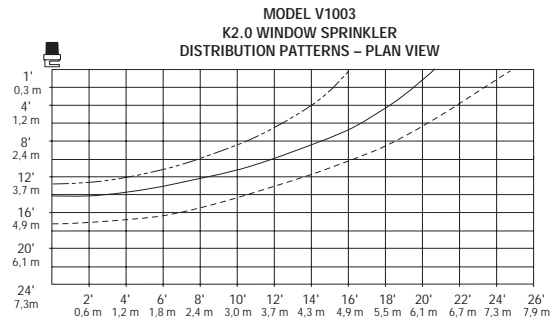
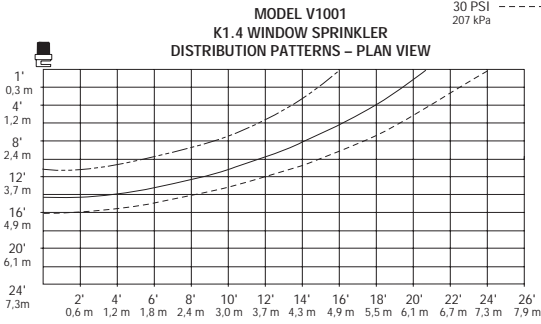
# FLOW CHARACTERISTICS

## FLOW CHARACTERISTICS FOR WINDOW SPRINKLERS



# DISTRIBUTION PATTERNS

7 PSI -----  
48 kPa  
15 PSI -----  
103 kPa  
30 PSI -----  
207 kPa



## 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.

## WARRANTY

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

This product shall be manufactured by Victaulic Company. 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.