

# Victaulic® FireLock™ Series FL-RES/C Residential Concealed Pendent Sprinklers, K4.9 (7.0) K5.6 (8.0)



## 1.0 PRODUCT DESCRIPTION

RESIDENTIAL CONCEALED PENDENT		
SIN	V4906	V3806
ORIENTATION	PENDENT	PENDENT
K-FACTOR <sup>1</sup>	4.9 Imp./7.1 S.I.	5.6 Imp./8.1 S.I.
CONNECTION	½" NPT/15 mm	½" NPT/15 mm
MAX. WORKING PRESSURE	175 psi (1200 kPa)	175 psi (1200 kPa)
GLOBE RE-DESIGNATION	GL4906	-

AVAILABLE WRENCHES		
SPRINKLER	V49 Concealed	V38 Concealed
PENDENT	■	■

**Factory Hydrostatic Test:** 100% @ 500 psi/3447 kPa/34 bar

**Min. Operating Pressure:** UL: 7 psi/48 kPa/5 bar

**Temperature Rating:** See tables in section 2.0

<sup>1</sup> For K-Factor when pressure is measured in bar, multiply S.I. units by 10.0.

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

## 2.0 CERTIFICATION/LISTINGS



SIN	Nominal K Factor		Listing Agency/ Approved Temperature Ratings Sprinkler 155°F/68°C Cover 135°F/57°C	Max. Coverage Area Width x Length Ft. x Ft. m x m	Flow GPM L/min	Pressure PSI kPa	Adjustment in mm	Deflector to Ceiling/ Mounting Surface Distance	Minimum Spacing Ft. m
	Imperial	S.I. <sup>2</sup>							
V4906	4.9	7.1	cULus	12 x 12	13	7.0	7/8 22	Smooth Ceilings (See appropriate installation detail below) OR Beamed Ceilings: Installed within the Beam In accordance with NFPA 13, 13D, or 13R (Max Beam Depth Depends on Edition of Standard)	9 2.7
				3.7 x 3.7	49.2	48			
				14 x 14	13	7.0			
				4.3 x 4.3	49.2	48			
				16 x 16	13	7.0			
4.9 x 4.9	49.2	48							
18 x 18	17	12.0	1/4 6						
5.5 x 5.5	64.3	83							
20 x 20	20	16.7							
6.1 x 6.1	75.7	115							
12 x 12	16	8.2							
V3806	5.6	8.1	cULus	3.7 x 3.7	60.6	57			8 2.4
				14 x 14	16	8.2			
				4.3 x 4.3	60.6	57			
				16 x 16	16	8.2			
				4.9 x 4.9	60.6	57			
18 x 18	21	14.1							
5.5 x 5.5	79.5	97							
20 x 20	25	20.0							
6.1 x 6.1	94.6	138							

<sup>2</sup> For K-Factor when pressure is measured in bar, multiply S.I. units by 10.0.

**NOTE**

- Listings and approval as of printing.
- These sprinklers are required to be vented. Installations with a positive pressure air plenum above the housing are not permitted.

## 3.0 SPECIFICATIONS – MATERIAL

**Deflector:** Bronze

**Bulb Nominal Diameter:** 3.0 mm

**Load Screw:** Brass

**Pip Cap:** Brass

**Spring Seal:** PTFE coated Beryllium nickel alloy

**Frame:** Brass

**Lodgement Spring:** Stainless Steel

**Pin:** Stainless Steel

**Concealed Cup:** Steel

**Cover Plate:** Steel

**Installation Wrench:** Ductile Iron

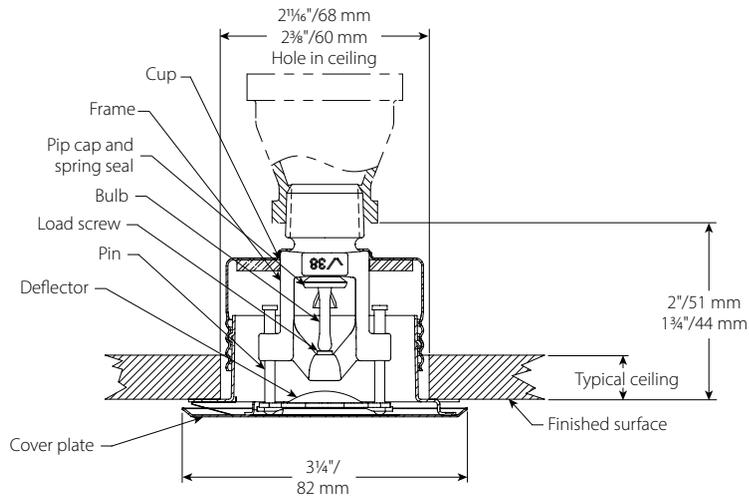
**Cover Plate Finishes:**

- Chrome plated
- White painted
- Flat black painted
- Custom painted

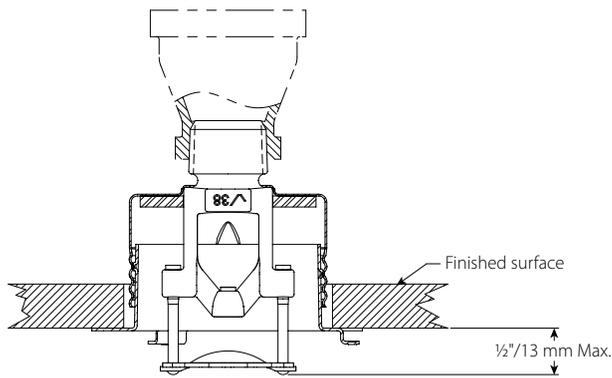
**NOTES**

- For cabinets and other accessories refer to separate sheet.

## 4.0 DIMENSIONS

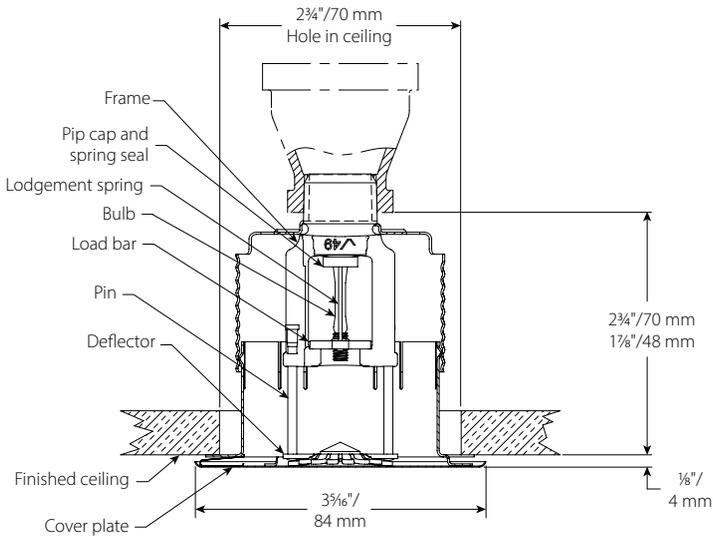


V3806

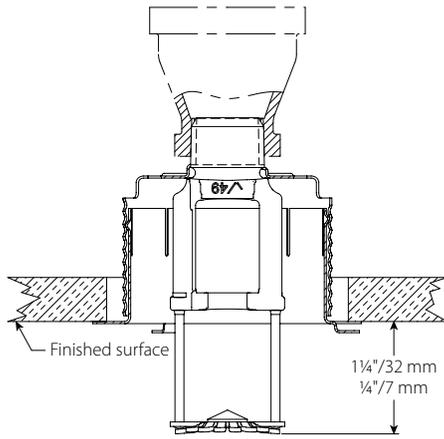


V3806

### 4.0 DIMENSIONS (CONTINUED)



V4906



V4906

## 5.0 PERFORMANCE

Sprinkler is to be installed and designed as per NFPA, FM Datasheets, or any local standards.

## 6.0 NOTIFICATIONS

**⚠ WARNING**



- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions could result in death or serious personal injury and property damage.

- These products shall be used only in fire protection systems that are designed and installed in accordance with current, applicable National Fire Protection Association (NFPA 13, 13D, 13R, etc.) standards, or equivalent standards, and in accordance with applicable building and fire codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.
- The installer shall understand the use of this product and why it was specified for the particular application.
- The installer shall understand common industry safety standards and potential consequences of improper product installation.
- It is the system designer's responsibility to verify suitability of materials for use with the intended fluid media within the piping system and external environment.
- The material specifier shall evaluate the effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on materials to confirm system life will be acceptable for the intended service.

Failure to follow installation requirements and local and national codes and standards could compromise system integrity or cause system failure, resulting in death or serious personal injury and property damage.

## 7.0 REFERENCE MATERIALS

**Ratings:** All glass bulbs are rated for temperatures from -67°F/-55°C.

[I-40: Victaulic FireLock™ Automatic Sprinklers Installation and Maintenance Instructions](#)

### User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

### Intellectual Property Rights

No statement contained herein concerning a possible or suggested use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Victaulic or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right. The terms "Patented" or "Patent Pending" refer to design or utility patents or patent applications for articles and/or methods of use in the United States and/or other countries.

### 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.

### Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at [www.victaulic.com](http://www.victaulic.com).

### Warranty

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

### Trademarks

*Victaulic* and all other Victaulic marks are the trademarks or registered trademarks of Victaulic Company, and/or its affiliated entities, in the U.S. and/or other countries.