

# FireLock™ V38, K5.6

## Models V3801, V3802



V3801 and V3802

### 1.0 PRODUCT DESCRIPTION

**Models:** V3801 and V3802

**Style:** Adjustable Concealed, Ordinary Hazard and Light Hazard

**K Factor:** 5.6 Imp./8.1 S.I.<sup>1</sup>

**Nominal Thread Size:** ½" NPT/15 mm BSPT

**Max. Working Pressure:** 175 psi/1207 kPa/12 bar

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

**Min. Operating Pressure:** 7 psi/48 kPa/0.5 bar

**Temperature Rating:** See chart 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.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

## 2.0 CERTIFICATION/LISTINGS



### Approvals/Listings

Approvals/Listings	Model	
	V3801	V3802
Orifice Size (inches)	½"	½"
Orifice Size (mm)	13	13
Nominal K Factor Imperial	5.6	5.6
Nominal K Factor Metric S.I. <sup>2</sup>	8.1	8.1
Response	Standard 5 mm bulb	Quick <sup>3</sup> 3 mm bulb
Deflector Type	Concealed Pendent	Concealed Pendent
Adjustment	½"/13 mm	½"/13 mm

Approved Temperature Ratings	F°/C°	
cULus	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C
FM <sup>3</sup>	NONE	155°F/68°C 175°F/79°C 200°F/93°C
NYC/MEA <sup>3</sup> #62-99-E	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C
CSFM <sup>3</sup> #7690-0531:112	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C
LPCB	155°F/68°C Sprinkler/138°F/59°C Cover 175°F/79°C Sprinkler/165°F/74°C Cover 200°F/93°C Sprinkler/165°F/74°C Cover	155°F/68°C Sprinkler/138°F/59°C Cover 175°F/79°C Sprinkler/165°F/74°C Cover 200°F/93°C Sprinkler/165°F/74°C Cover
VNIPO	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C 286°F/141°C	135°F/57°C 155°F/68°C 175°F/79°C 200°F/93°C 286°F/141°C
CCC	ZSTDY 155°F/68°C	K ZSTDY 155°F/68°C 200°F/93°C

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

<sup>3</sup> Recognized by FM as standard response only.

**NOTE**

- Listings and approvals as of printing. All are approved open.

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### 3.0 SPECIFICATIONS – MATERIAL

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**Deflector:** Bronze

**Cover Plate:** Fusible solder

**Bulb:** Glass with glycerin solution

**Bulb Nominal Diameter:**

Standard: 5,0 mm

Quick Response: 3,0 mm

**Load Screw:** Bronze

**Pip Cap:** Bronze

**Spring:** Beryllium Nickel

**Seal:** Teflon<sup>4</sup> tape

**Frame:** Brass

**Pins:** Stainless steel

**Cup:** Cold rolled steel, zinc chrome plated

**Cover/Escutcheon:** Brass

**Lodgement Spring:** Stainless steel

**Protective Cap:** Polyethylene

**Installation Wrench:**

Concealed: V38-4 or V38-5

**Sprinkler Finishes:**

Plain Brass (only)

**Cover Finishes:**

Chrome Plated

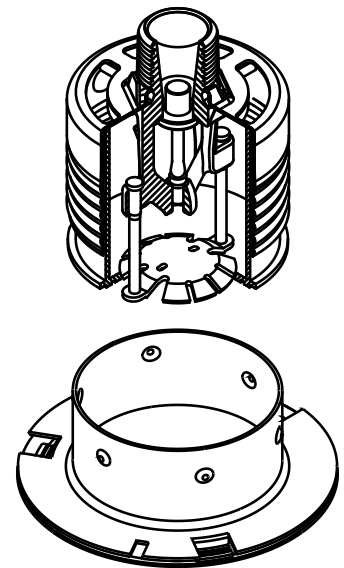
White painted<sup>5</sup>

Flat Black Painted<sup>5</sup>

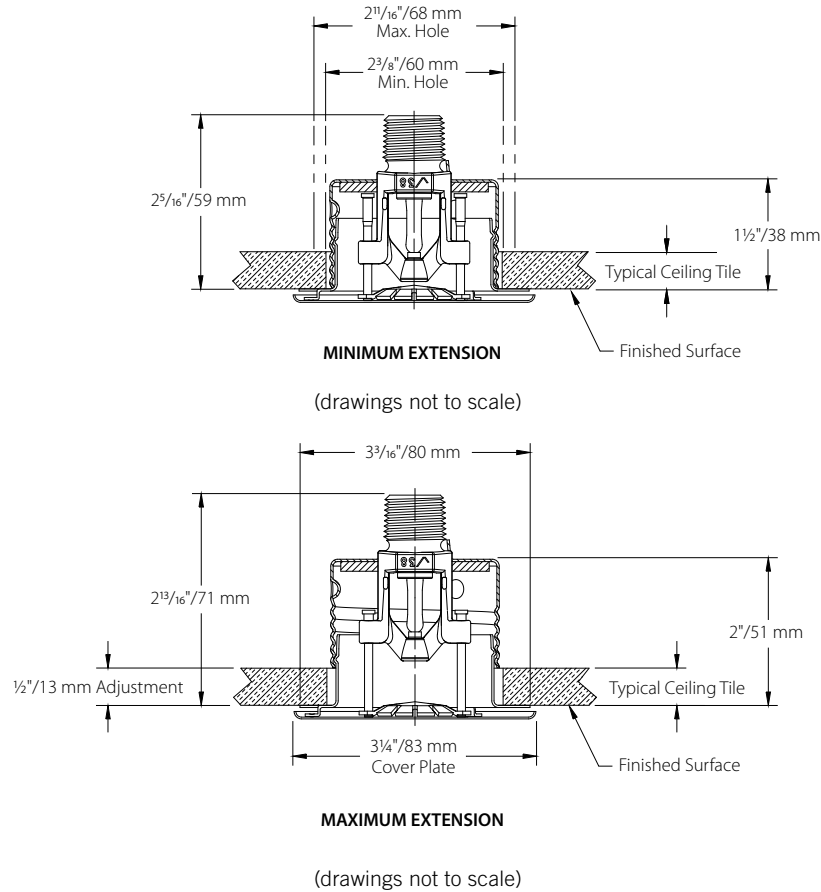
Custom Painted<sup>5</sup>

<sup>4</sup> Teflon is a registered trademark of Dupont Co.

<sup>5</sup> UL Listed for corrosion resistance.



## 4.0 DIMENSIONS



## 5.0 PERFORMANCE

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

## 6.0 NOTIFICATIONS

<b>⚠ WARNING</b>	
	<ul style="list-style-type: none"> <li>• Always read and understand installation, care, and maintenance instructions, supplied with each box of sprinklers, before proceeding with installation of any sprinklers.</li> <li>• Always wear safety glasses and foot protection.</li> </ul>
	<ul style="list-style-type: none"> <li>• Depressurize and drain the piping system before attempting to install, remove, or adjust any Victaulic piping products.</li> <li>• Installation rules, especially those governing obstruction, must be strictly followed.</li> <li>• Painting, plating, or any re-coating of sprinklers (other than that supplied by Victaulic) is not allowed.</li> </ul> <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>

## 7.0 REFERENCE MATERIALS

### Ratings:

All glass bulbs are rated for temperatures from –67°F (–55°C) up to those shown in table below.

Sprinkler	Sprinkler – V3801, V3802				Cover – V38		
	Victaulic Part Identification	Temperature – °F/°C		Glass Bulb Color	Victaulic Part Identification	Temperature – °F/°C	
		Nominal Temperature Rating	Maximum Ambient Temperature Allowed			Nominal Temperature Rating	Maximum Ambient Temperature Allowed
Ordinary	A	135°F/57°C	100°F/38°C	Orange	A <sup>6</sup>	135°F/57°C	100°F/38°C
Ordinary	C	155°F/68°C	100°F/38°C	Red	D <sup>7</sup>	165°F/74°C	150°F/65°C
Intermediate	E	175°F/79°C	150°F/65°C	Yellow			
Intermediate	F	200°F/93°C	150°F/65°C	Green			
High	J	286°F/141°C	225°F/107°C	Blue			
Extra High <sup>8</sup>	K	360°F/182°C	300°F/149°C	Purple			
–	M	Open	–	No Bulb			

<sup>6</sup> A For use with Standard or Quick Response Concealed Sprinkler 135°F/57°C or 155°F/68°C.

<sup>7</sup> D For use with Standard or Quick Response Concealed Sprinkler 175°F/79°C or 200°F/93°C.

<sup>8</sup> 138°F/59°C per LPCB

### NOTE

- Custom Finish – Customer to provide paint specification, allow 4 – 6 weeks for samples.

### Available Wrenches:

Sprinkler Type	Recessed
Concealed Pendent – V3801, V3802	V38-4 or V38-5

[29.01: Victaulic® Terms and Conditions of Sale](#)

[I-40: Victaulic® FireLock™ Automatic Sprinklers](#)

### 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.

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### 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.

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