



# HYDROFIRE ΕΠΕ

Buildings - Industry - Marine – Waterworks  
 END OF AG. PANTELEIMONOS Str. (ELEONAS)  
 GR-12241 EGALEO,  
 Tel.: +30 210 3412 749-750 Fax: +30 210 3412 406  
[www.hydrofire.gr](http://www.hydrofire.gr), email: [info@hydrofire.gr](mailto:info@hydrofire.gr)



## Victaulic® FireLock™ Series FL-SR/ST Storage, Standard Response Upright, Pendent and Recessed Pendent Sprinklers K11.2 (16.2)



### 1.0 PRODUCT DESCRIPTION

STANDARD RESPONSE STORAGE SPRINKLERS		
SIN	V3403	V3407
SPRINKLER TYPE	CMDA	CMDA
SPRINKLER RESPONSE	SR	SR
ORIENTATION	Upright	Pendent
K-FACTOR <sup>1</sup>	11.2 Imp./16.1 S.I.	11.2 Imp./16.1 S.I.
CONNECTION	¾" NPT/20mm BSPT/IGS	¾" NPT/20mm BSPT/IGS
MAX. WORKING PRESSURE	175 psi (1200 kPa)	175 psi (1200 kPa)
GLOBE EQUIVALENT	GL1167	GL1160

AVAILABLE GUARDS/SHIELDS	
SPRINKLER	V34/V36 Guard
UPRIGHT	■
PENDENT	■

AVAILABLE WRENCHES			
SPRINKLER	V34 Recessed	V34 Open End	¾ Hex-Bit (V9)
UPRIGHT	■	■	■
PENDENT	■	■	■

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

**Min. Operating Pressure:** UL/FM: 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.





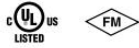
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[victaulic.com](http://victaulic.com)

## 2.0 CERTIFICATION/LISTINGS



SIN	V3403	V3407
Nominal K Factor Imperial	11.2	
Nominal K Factor S.I. <sup>2</sup>	16.1	
Installation Type	Upright	Pendent
Escutcheon	Flush/Extended	
	<b>Approved Temperature Rating</b>	
cULus	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
FM ½" ADJUSTMENT ESCUTCHEON ONLY	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

<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.

## 3.0 SPECIFICATIONS – MATERIAL

**Deflector:** Bronze

**Bulb Nominal Diameter:** 3.0mm

**Load Screw:** Bronze

**Pip Cap:** Bronze

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

**Frame:** Brass

**Lodgement Spring:** Stainless steel

**Coupling:** Refer to Victaulic [publication 10.65](#)

**Installation Wrench:** Ductile iron

### Sprinkler Frame Finishes:

- Plain brass
- Chrome plated
- White polyester painted<sup>3, 4</sup>
- Flat black polyester painted<sup>3, 4</sup>
- Custom polyester painted<sup>3, 4</sup>
- VC-250<sup>5</sup>

<sup>3</sup> Not available on the Intermediate Level Style Pendent.

<sup>4</sup> UL Listed for corrosion resistance.

<sup>5</sup> UL Listed and FM Approved for corrosion resistance.

### NOTE

- For cabinets and other accessories refer to separate sheet.



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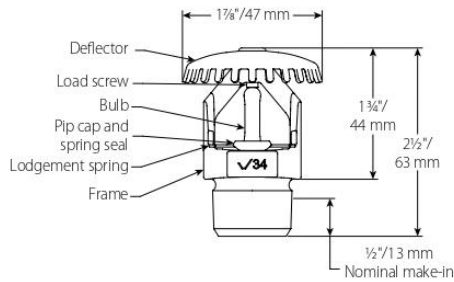
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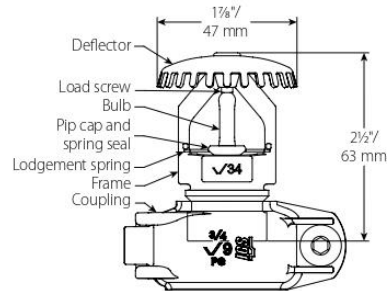


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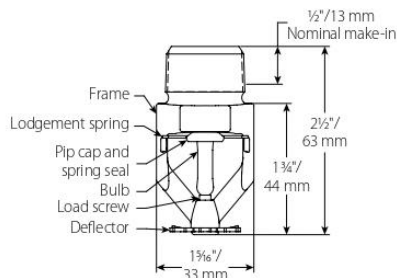
## 4.0 DIMENSIONS



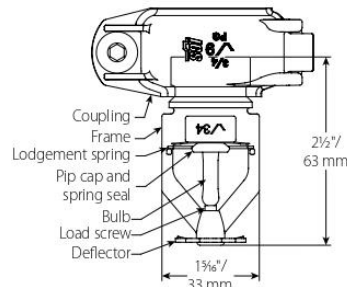
**Threaded  
V3403**



**Grooved  
V3403**



**Threaded  
V3407**



**Grooved  
V3407**

## 5.0 PERFORMANCE

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

COMMODITY SELECTION AND DESIGN CRITERIA OVERVIEW		
Storage Type	NFPA	FM
Open Frame (that is, no solid shelves) Single, Double, Multiple-Row, or Portable Rack Storage of Class I-IV and Group A or B Plastics	NFPA 13	Datasheet 2-0
Solid Pile or Palletized Storage of Class I-IV and Group A or B Plastics	NFPA 13	Datasheet 2-0
Idle Pallet Storage	NFPA 13	Datasheet 8-24
Rubber Tire Storage	NFPA 13	Datasheet 8-3
Rolled Paper Storage (Refer to the standard.)	NFPA 13	Datasheet 8-21
Flammable Liquid Storage (Refer to the standard.)	NFPA 30	Datasheet 7-29
Aerosol Storage (Refer to the standard.)	NFPA 30B	Datasheet 7-31
Automotive Components in Portable Racks (Control mode only, refer to the standard.)	Refer to NFPA 13	N/A