1.0 PRODUCT DESCRIPTION

<table>
<thead>
<tr>
<th>SIN</th>
<th>ORIENTATION</th>
<th>K-FACTOR¹</th>
<th>CONNECTION</th>
<th>MAX. WORKING PRESSURE</th>
<th>GLOBE RE-DESIGNATION</th>
<th>AVAILABLE WRENCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>V4906</td>
<td>PENDENT</td>
<td>4.9 Imp./7.1 S.I.</td>
<td>1/2&quot; NPT/15 mm</td>
<td>175 psi (1200 kPa)</td>
<td>GL4906</td>
<td>SPRINKLER V49 Concealed</td>
</tr>
<tr>
<td>V3806</td>
<td>PENDENT</td>
<td>5.6 Imp./8.1 S.I.</td>
<td>1/2&quot; NPT/15 mm</td>
<td>175 psi (1200 kPa)</td>
<td>–</td>
<td>PENDENT</td>
</tr>
</tbody>
</table>

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

¹ For K-Factor when pressure is measured in bar, multiply S.I. units by 10.0.
# 2.0 CERTIFICATION/LISTINGS

<table>
<thead>
<tr>
<th>SIN</th>
<th>Nominal K Factor</th>
<th>Listing Agency/Approved Temperature Ratings</th>
<th>Max. Coverage Area Width x Length</th>
<th>Flow Pressure Adjustment</th>
<th>Deflector to Ceiling/Mounting Surface Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Sprinkler 155°F/68°C Cover 135°F/57°C</td>
<td>Ft. x Ft. m x m</td>
<td>GPM L/min PSI kPa</td>
<td>% 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)</td>
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<tr>
<td></td>
<td>Imperial S.I.²</td>
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<tr>
<td>V4906</td>
<td>4.9</td>
<td>7.1</td>
<td>12 x 12 3.7 x 3.7</td>
<td>13 13 7.0 48</td>
<td>9 2.7</td>
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<tr>
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<td></td>
<td>cULus</td>
<td>14 x 14 4.3 x 4.3</td>
<td>13 49.2 7.0 48</td>
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<tr>
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<td></td>
<td></td>
<td>16 x 16 4.9 x 4.9</td>
<td>13 49.2 7.0 48</td>
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</tr>
<tr>
<td></td>
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<td></td>
<td>18 x 18 5.5 x 5.5</td>
<td>17 64.3 12.0 83</td>
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<td></td>
<td>20 x 20 6.1 x 6.1</td>
<td>20 75.7 16.7 115</td>
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</tr>
<tr>
<td>V3806</td>
<td>5.6</td>
<td>8.1</td>
<td>12 x 12 3.7 x 3.7</td>
<td>16 60.6 8.2 57</td>
<td>½ 6 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)</td>
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<tr>
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<td>8 2.4</td>
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<tr>
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<td>16 x 16 4.9 x 4.9</td>
<td>16 60.6 8.2 57</td>
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<td></td>
<td>18 x 18 5.5 x 5.5</td>
<td>21 79.5 14.1 97</td>
<td></td>
</tr>
<tr>
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<td></td>
<td>20 x 20 6.1 x 6.1</td>
<td>25 94.6 20.0 138</td>
<td></td>
</tr>
</tbody>
</table>

² 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:** 3.0 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

Cup
Frame
Pip cap and spring seal
Bulb
Load screw
Pin
Deflector

Cover plate

2\(\frac{1}{4}\)/68 mm
2\(\frac{1}{4}\)/60 mm
Hole in ceiling

2\(\frac{3}{4}\)/51 mm
1\(\frac{1}{4}\)/44 mm

Typical ceiling

Finished surface

3\(\frac{1}{4}\)/82 mm

V3806

Finished surface

\(\frac{3}{16}\)/13 mm Max.
4.0 DIMENSIONS (CONTINUED)

2¾"/70 mm Hole in ceiling

Bulb Frame
Pip cap and spring seal
Lodgement spring
Load bar
Pin
Deflector

Lodgement spring
Finished ceiling
Cover plate

2¾"/70 mm
1½/48 mm

1/4/ 4 mm

3¼"/ 84 mm

1¼"/32 mm
1/8/7 mm

Finished surface

V4906

V4906
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 codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.

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

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