### 1.0 PRODUCT DESCRIPTION

#### RESIDENTIAL PENDENT/RECESSED PENDENT SPRINKLERS

<table>
<thead>
<tr>
<th>SIN</th>
<th>V2738</th>
<th>V4431</th>
<th>V2744</th>
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<tbody>
<tr>
<td>ORIENTATION</td>
<td>HSW</td>
<td>HSW</td>
<td>HSW</td>
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<tr>
<td>K-FACTOR</td>
<td>4.2 Imp./6.1 S.I.</td>
<td>4.4 Imp./6.3 S.I.</td>
<td>5.6 Imp./8.1 S.I.</td>
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<tr>
<td>CONNECTION</td>
<td>½” NPT/15 mm</td>
<td>½” NPT/15 mm</td>
<td>½” NPT/15 mm</td>
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<tr>
<td>MAX. WORKING PRESSURE</td>
<td>175 psi (1200 kPa)</td>
<td>175 psi (1200 kPa)</td>
<td>175 psi (1200 kPa)</td>
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<tr>
<td>GLOBE RE-DESIGNATION</td>
<td>–</td>
<td>GL4431</td>
<td>–</td>
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<tr>
<td>GLOBE EQUIVALENT</td>
<td>GL4231</td>
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#### AVAILABLE WRENCHES

<table>
<thead>
<tr>
<th>SPRINKLER</th>
<th>V27 Recessed</th>
<th>V27 Open End</th>
<th>V56 Recessed</th>
<th>V56 Open End</th>
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<tbody>
<tr>
<td>SIDEWALL</td>
<td>■</td>
<td>■</td>
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</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.
<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 Flow Pressure Adjustment Deflector to Ceiling/ Mounting Surface Distance</th>
<th>Flow</th>
<th>Pressure</th>
<th>Adjustment</th>
<th>Minimum Spacing</th>
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<tbody>
<tr>
<td></td>
<td>Imperial</td>
<td>S.I.</td>
<td>155°F/68°C</td>
<td>175°F/79°C</td>
<td>Ft. x Ft</td>
<td>m x m</td>
<td>GPM</td>
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<td>6.1</td>
<td>cULus</td>
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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: 3.0mm  
Load Screw: Bronze  
Pip Cap: Bronze  
Spring Seal Assembly: PTFE coated Beryllium nickel alloy  
Frame: Brass  
Lodgement Spring: Stainless Steel  
Installation Wrench: Ductile iron  
Sprinkler Frame Finishes:  
• Plain brass  
• Chrome plated  
• White polyester painted  
• Flat black polyester painted  
• Custom polyester painted  

NOTE  
• For cabinets and other accessories refer to separate sheet.
4.0 DIMENSIONS

V2738

Hole in wall
Finished surface
Typical wall
Finished ceiling

V4431

Hole in wall
Finished surface
Typical wall
Finished ceiling

Dimensions per NFPA V2738:
- 2/3"/60 mm
- 1/4"/37 mm

Dimensions per NFPA V4431:
- 2/3"/60 mm
- 1/4"/37 mm

Notes:
- 2/3"/60 mm
- 1/4"/37 mm

Notes on wall surfaces:
- Finished surface
- Typical wall
- Finished ceiling

Notes on dimensions:
- 2/3"/60 mm
- 1/4"/37 mm
4.0 DIMENSIONS (CONTINUED)

2\(\frac{4}{5}\)/66 mm
2\(\frac{4}{5}\)/53 mm

12\(\frac{3}{4}\)/305 mm
4\(\frac{1}{2}\)/102 mm
per NFPA

2\(\frac{4}{3}\)/75 mm

2\(\frac{4}{3}\)/60 mm
2\(\frac{1}{2}\)/51 mm
Hole in wall

2\(\frac{4}{3}\)/75 mm

Typical wall

\(\frac{3}{4}\)/22 mm Max. (\(\frac{3}{4}\)/ Adj.)
\(\frac{1}{2}\)/16 mm Max. (\(\frac{1}{2}\)/ Adj.)
\(\frac{1}{4}\)/13 mm Min.

Finished surface

Finished ceiling

\(\frac{9}{8}\)/66 mm
\(\frac{9}{8}\)/53 mm

\(\frac{1}{305}\)/305 mm
\(\frac{1}{102}\)/102 mm
per NFPA

\(\frac{1}{8}\)/73 mm Min.

V2744
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, 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 constructed, 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.

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.

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.