## 1.0 PRODUCT DESCRIPTION

### HORIZONTAL SIDEWALL QUICK RESPONSE DRY SPRINKLERS

<table>
<thead>
<tr>
<th>SIN</th>
<th>V3610</th>
<th>V3612</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation</td>
<td>HORIZONTAL</td>
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</tr>
<tr>
<td>K-FACTOR1</td>
<td>5.6 Imp./8.1 S.I.</td>
<td>8.0 Imp./11.5 S.I.</td>
</tr>
<tr>
<td>CONNECTION</td>
<td>1” NPT/25mm BSPT/1” IGS</td>
<td>1” NPT/25mm BSPT/1” IGS</td>
</tr>
<tr>
<td>MAX. WORKING PRESSURE</td>
<td>175 psi (1200 kPa)</td>
<td>175 psi (1200 kPa)</td>
</tr>
<tr>
<td>ESCUTCHEONS</td>
<td>Sleeve and Skirt/Extended</td>
<td>Sleeve and Skirt/Extended</td>
</tr>
<tr>
<td>GLOBE EQUIVALENT</td>
<td>GL5641</td>
<td>GL8141</td>
</tr>
</tbody>
</table>

### RECESSED HORIZONTAL SIDEWALL QUICK RESPONSE DRY SPRINKLERS

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</tbody>
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### AVAILABLE WRENCHES

<table>
<thead>
<tr>
<th>SPRINKLER</th>
<th>V36 Recessed</th>
<th>V36 Open End</th>
<th>3/16 Hex-Bit (V9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sidewall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
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**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

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

### HORIZONTAL SIDEWALL APPROVALS/LISTINGS

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<th>SIN</th>
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<tr>
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<td>Horizontal</td>
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</tr>
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<td>Plain, Flush, Slv and Skt, Ext</td>
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</tr>
<tr>
<td>Approved Temperature Ratings F°/C°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>cULus</td>
<td>135°F/57°C</td>
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<tr>
<td></td>
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¹ For K-Factor when pressure is measured in Bar, multiply S.I. units by 10.
² cULus Listed for light hazard only with deflector 4" – 12" below the ceiling.

### NOTES
- Listings and approval as of printing.
- Temperatures are listed for light hazard and approved for V3610 dry sprinklers up to 48" length cULus and 36" for FM.
- Temperatures are listed for light and ordinary hazards and approved for V3612 dry sprinklers up to 48" length cULus.
3.0 SPECIFICATIONS – MATERIAL

Deflector: Brass or Stainless Steel
Bulb Nominal Diameter: 3.0mm
Split Spacer: Stainless Steel
Load Screw: Brass
Pip Cap: Stainless Steel
Spring Seal Assembly: PTFE coated Beryllium nickel alloy and stainless steel
Frame: Brass
Inlet Fitting: Brass
Outer Tube: Galvanized steel pipe
Inner Tube: Stainless Steel
Orifice Insert: Stainless Steel
Escutcheon/Plate: 1010 - 1018 mild steel and stainless steel
Torsion Spring: SST wire
Installation Wrench: Ductile iron

Sprinkler Frame Finishes:
- Plain brass
- Chrome plated
- White painted³
- Bright White painted³
- Flat black painted³
- Custom painted³
- VC-2504⁴
  ³ UL Listed for corrosion resistance.
  ⁴ UL Listed and FM Approved for corrosion resistance.

NOTES
- Weather resistant escutcheon available upon request.
- For cabinets and other accessories refer to separate sheet.
4.0 DIMENSIONS

Plain Barrel, Threaded
V3610, V3612

Finished ceiling

Tee with same outlet size as sprinkler thread size. See "Important Installation Information," later in this document.

Plain Barrel, Grooved
V3610, V3612

Finished ceiling

1 1/4" IGS fitting

V3610
12"/305 mm
4"/102 mm

V3612
6"/152 mm
4"/102 mm

per NFPA

2 1/4"/58 mm

A

(2/51 mm Min.)

1" NPT

V3610
12"/305 mm
4"/102 mm

V3612
6"/152 mm
4"/102 mm

per NFPA

2 1/4"/56 mm

A

(3/4"/79 mm Min.)

1" NPT

Finished ceiling

Per NFPA 4
4.0 DIMENSIONS (CONTINUED)

Tee with same outlet size as sprinkler thread size. See "Important Installation Information," later in this document.

Flush, Threaded
V3610, V3612

Flush, Grooved
V3610, V3612
4.0 **DIMENSIONS (CONTINUED)**

**Recessed, Threaded**

V3610, V3612

- V3610: 12"/305 mm, 4"/102 mm
- V3612: 6"/152 mm, 4"/102 mm

1" NPT

- 2"/51 mm Min. Hole in wall
- Typical wall

- 2"/76 mm, 1¾"/41 mm

**Recessed, Grooved**

V3610, V3612

- V3610: 12"/305 mm, 4"/102 mm
- V3612: 6"/152 mm, 4"/102 mm

1" IGS fitting

- 2"/51 mm Min. Hole in wall
- Typical ceiling

- 2¾"/76 mm, 1¾"/41 mm

- A (3¾"/87 mm Min.)

Tee with same outlet size as sprinkler thread size.

See "Important Installation Information" later in this document.
4.0 DIMENSIONS (CONTINUED)

Sleeve & Skirt, Threaded
V3610, V3612

Sleeve & Skirt, Grooved
V3610, V3612
4.0 DIMENSIONS (CONTINUED)

Extended, Sleeve & Skirt, Threaded
V3610, V3612

<table>
<thead>
<tr>
<th>Model</th>
<th>3½&quot;/89 mm</th>
<th>2½&quot;/60 mm Min. Hole in wall</th>
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<tr>
<td>V3610</td>
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Extended, Sleeve & Skirt, Grooved
V3610, V3612

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Tee with same outlet size as sprinkler thread size. See "Important Installation Information" later in this document.
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.

1-40: Victaulic FireLock™ Automatic Sprinklers Installation and Maintenance Instructions
I-V9: Style V9 Victaulic FireLock™ IGS™ Installation-Ready™ Sprinkler Coupling Installation Instructions

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.

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