Product Description

The Reliable Model HV Hose valves are cULus Listed and FM Approved for fire protection systems. Reliable Hose Valves valves have AWWA C 606 grooved inlet connections or NPT threaded inlet connections. Hose valves with a threaded inlet are available in 1-1/2” (38mm) and 2-1/2” (65mm) nominal sizes. Hose valves with a grooved inlet are available in the 2-1/2” (65mm) nominal size. Outlet threads are 1-1/2” (38mm) or 2-1/2” (65mm) National Standard Thread (NST) hose thread. The valves are listed for 300 psi (20.7 bar) working pressure.

Maintenance

The owner is responsible for maintaining the fire protection system in proper operating condition. Any system maintenance or testing that involves placing a control valve out of service will eliminate the fire protection that is provided by the fire protection system.

The Reliable Hose valves and associated equipment shall periodically be given a thorough inspection and test. NFPA 25, “Inspection, Testing and Maintenance of Water Based Fire Protection Systems,” provides minimum maintenance requirements.

Guarantee

For Reliable Automatic Sprinkler Co., Inc. guarantee, terms, and conditions, visit www.reliablesprinkler.com.

Ordering Information

Specify the following when ordering:

Model
- REL-HVT
- REL-HVG

Valve Size
- 1-1/2” (38mm) - threaded only
- 2-1/2” (65mm)

Accessories
- Cap with chain

Pressure Loss Graph

Figure 1

<table>
<thead>
<tr>
<th>Model</th>
<th>End Connections</th>
<th>Sizes in (mm)</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL-HVT</td>
<td>Female NPT Thread x Male NST Hose Thread</td>
<td>1-1/2” (38), 2-1/2” (65)</td>
<td>cULus Listed, FM Approved</td>
</tr>
<tr>
<td>REL-HVG</td>
<td>Groove x Male NST Hose Thread</td>
<td>2-1/2” (65)</td>
<td>cULus Listed, FM Approved</td>
</tr>
</tbody>
</table>
### Reliable Model HV Hose Valves

**Technical Specifications**
- **Pressure Rating:** 300 psi (20.7 bar)

**Material Specifications**
- **Body:** Brass ASTM B584
- **Bonnet:** Brass ASTM B584
- **Stem:** Brass
- **Disc Holder:** Forged Brass
- **Disc Nut:** Brass
- **Packing Nut:** Brass
- **Hand Wheel:** Ductile Iron
- **Seat:** NBR
- **Nut:** Stainless Steel
- **Clamping Ring:** Forged Brass
- **Name Plate:** Aluminum
- **O-Ring:** NBR

**Specifications**
- **End Connections**
  - Female Thread x Male Thread (REL-HVT)
  - Groove x Male Thread (REL-HVG)
- **Listings and Approvals**
  - cULus Listed
  - FM Approved

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### Reliable Model HV Hose Valve Specification and Dimensions

**Figure 2**

#### Grooved Inlet

![Grooved Inlet Diagram]

#### Threaded Inlet

![Threaded Inlet Diagram]

### Reliable Model HV Hose Valve Dimensions - in. (mm)

<table>
<thead>
<tr>
<th>Valve Size</th>
<th>Inlet</th>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/2” (30)</td>
<td>Threaded</td>
<td>REL-HVT</td>
<td>7-7/16” (188)</td>
<td>2” (50)</td>
<td>2-5/16” (58)</td>
<td>3-9/16” (90)</td>
</tr>
<tr>
<td>2-1/2” (65)</td>
<td>Threaded</td>
<td>REL-HVT</td>
<td>10-2/3” (271)</td>
<td>2-3/4” (70)</td>
<td>3-1/8” (79)</td>
<td>5-1/16” (128)</td>
</tr>
<tr>
<td>2-1/2” (65)</td>
<td>Grooved</td>
<td>REL-HVG</td>
<td>11-7/16” (291)</td>
<td>3-9/16” (91)</td>
<td>3-1/8” (79)</td>
<td>5-1/16” (128)</td>
</tr>
</tbody>
</table>