1. DESCRIPTION
Viking ESFR Sprinkler Guards are used in conjunction with ESFR style sprinklers where allowed by the approvals. (Refer to the Approval Charts) The guards are hard-wire cages designed to surround the sprinklers and protect them from mechanical damage. They are recommended for areas where sprinklers are installed at a low elevation and/or near a high degree of human or mechanical activity.

2. LISTINGS AND APPROVALS

FM Approved: Class 2091

The Model EG-100 Sprinkler Guard is ONLY Approved for use with the following sprinklers: VK506, VK510, and VK514

Also FM approved for intermediate-level use, such as in-rack, under conveyors, mezzanines, or other similar obstructions. Refer to the Approval Chart.

3. TECHNICAL DATA

Material Standards:
Guard (flat steel): Carbon Steel
Guard (wire): Cold Drawn Steel Wire
Screw: 6-32 x 3/8 (R.H. Phillips-Slotted Combination Drive): Steel
Screw Finish: Zinc Plate
Rivet: Carbon Steel
Pins: Carbon Steel

Ordering Information:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Guard, ESFR, Chrome</td>
<td>1”</td>
</tr>
<tr>
<td>24988F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24988M/R</td>
<td>Guard, ESFR, Painted (red)</td>
<td>1”</td>
</tr>
</tbody>
</table>

All dimensions are approximate.

Figure 1: Dimensions

WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov
4. INSTALLATION

**NOTICE**

Improper installation can impede the sprinkler operation. 
 ► Follow the procedures in this document to properly install the sprinkler guard.

Installing the ESFR Sprinkler Guard on the Sprinkler

**Tool needed:**
- #2 R.H. Phillips or Flat Head screwdriver (not available from Viking.)

**Procedure:**
1. Loosen the screw and open the guard.
2. Place the guard around the sprinkler as shown. Be sure the pins line up with the sprinkler frame as shown.

**Figure 2: Alignment**

Impossible installation will impede proper sprinkler operation. Ensure that the sprinkler is installed in the proper position.
3. Close the guard and tighten the screw.

5. **OPERATION**
   Refer to the sprinkler technical data page for the sprinkler model used. The ESFR Sprinkler Guard is a hard-wire cage designed to surround the sprinkler and protect it from mechanical damage.

6. **INSPECTIONS, TESTS, AND MAINTENANCE**
   Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.

7. **AVAILABILITY**
   Viking ESFR Sprinkler Guards are available through a network of domestic and international distributors. See the Viking website for the closest distributor or contact Viking.

8. **GUARANTEE**
   For details of warranty, refer to the current list price schedule or contact us directly.

### Approval Chart

**Model EG-100 Sprinkler Guard with VK506, VK510, and VK514**

<table>
<thead>
<tr>
<th>SIN</th>
<th>Type</th>
<th>Available Thread Sizes</th>
<th>Nominal K-Factor</th>
<th>Approvals</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>NPT</td>
<td>BSPT</td>
<td>U.S.</td>
</tr>
<tr>
<td>VK506</td>
<td>ESFR Pendent</td>
<td>1&quot;</td>
<td>25mm</td>
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<td>VK510</td>
<td>ESFR Pendent</td>
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<td>25.2</td>
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<td>VK514</td>
<td>ESFR Pendent</td>
<td>1&quot;</td>
<td>25mm</td>
<td>28.0</td>
</tr>
</tbody>
</table>

1. FM approved for intermediate-level use, such as in-rack, under conveyors, mezzanines, or other similar obstructions.