**Product Instructions**

**Viega ProPress® Dielectric Union**

**Model 2967ZL**

**For Hard Copper Tubing in ½” to 2” and Soft Copper Tubing in ½” to 1¼”**

**General Assembly Instructions**

1. Cut copper tubing at right angles using displacement-type cutter or fine-toothed steel saw.
2. Remove burr from inside and outside of tubing to prevent cutting sealing element.
3. Check seal for correct fit. Do not use oils or lubricants.

**Changing Sealing Elements Product Instructions**

4. Ensure union is assembled as shown in exploded view.
   1. Galvanized metal female NPT threaded connection.
   2. EPDM gasket.
   4. Electrical conductivity separation ring.
   5. Galvanized nut.

5. Mark proper insertion depth as indicated by the Viega ProPress Insertion Depth Chart. Improper insertion depth may result in improper seal.

**Viega ProPress Insertion Depth Chart**

<table>
<thead>
<tr>
<th>Tube Size</th>
<th>⁴/₅</th>
<th>¾&quot;</th>
<th>1&quot;</th>
<th>1¼&quot;</th>
<th>1½&quot;</th>
<th>2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Depth</td>
<td>⁴/₅&quot;</td>
<td>¾&quot;</td>
<td>⁷/₈&quot;</td>
<td>1&quot;</td>
<td>1¼&quot;</td>
<td>1½&quot;</td>
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6. While turning slightly, slide press fitting onto tubing to the marked depth.

7. Insert appropriate Viega jaw into the pressing tool and push in, holding pin until it locks in place.

8. Open the jaw and place at right angles on the fitting. Visually check insertion depth using mark on tubing.

9. Start pressing process and hold the trigger until the jaw has engaged the fitting.

10. After pressing, the jaw can be opened again.

11. Thread female NPT connection onto threaded pipe or fitting using appropriate thread sealant.

**Pressure testing with Smart Connect®**

Unpressed connections are located by pressurizing the system with air or water. When testing with water the proper pressure range is 15 psi to 85 psi. When testing with compressed air the proper pressure range is ½ psi to 45 psi maximum. If testing with compressed air, use an approved leak-detect solution. Following a successful pressure test, the system may be pressure tested up to 200 psi with air or up to 600 psi with water.

**DANGER!**

Read and understand all instructions for installing Viega ProPress fittings. Failure to follow all instructions may result in extensive property damage, serious injury, or death.

**For applications requiring a different sealing elements, remove the factory installed sealing element and replace with the applicable sealing element. See Changing Sealing Elements Product Instructions.**

**Testing for unpressed connections using Smart Connect is not a replacement for pressure testing requirements of local codes and standards.**