Sight Glasses
Assembly Instructions

In-Line and In-Line Safety Sight Glasses
(Basic Ordering Number 162 and 162S)

⚠️ WARNING
Before servicing any installed sight glass, you must:
• depressurize the system
• purge the sight glass.

Disassembly
1. Place the flange on a flat surface.
2. Loosen the inner jam nuts using a 3/8 in. open-end wrench (up through 2.5 in. size) or 1/2 in. wrench (3 and 4 in. sizes).
3. Remove the outer jam nuts.
4. Remove the flange.
5. Safety sight glasses only (162S model) - remove the safety shield.
6. Remove the gasket and four studs with inner jam nuts still attached.
7. Lift the glass from the flange and remove the other gasket.

Reassembly
1. Clean the parts and inspect for wear prior to reassembly. Replace gaskets and glass as necessary.
2. Place the flange on a flat surface.
3. Install a gasket on the flange.
4. Set the glass on the gasket.
5. Install four studs with one inner jam nut on each stud end.
6. Place the other gasket on the glass.
7. Safety sight glasses only (162S model) - install safety shield.
8. Install the other flange.
9. Thread the outer jam nuts on the studs fingertight.

⚠️ Caution
Do not have the inner jam nuts in contact with the flanges at this time. The sight glass may not seal properly if there is contact.
10. Torque the outer jam nuts in a cross pattern to the value specified in the table, using an open-end wrench to hold the outer jam nuts on the opposite flange stationary, 3/8 in. for up through 2.5 in. size, 1/2 in. for 3 and 4 in. sizes.

<table>
<thead>
<tr>
<th>Size, in.</th>
<th>Torque, in.-lbs (N·m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10 to 12 (1.1 to 1.3)</td>
</tr>
<tr>
<td>1.5</td>
<td>10 to 15 (1.1 to 1.7)</td>
</tr>
<tr>
<td>2</td>
<td>15 to 20 (1.7 to 2.2)</td>
</tr>
<tr>
<td>2.5</td>
<td>15 to 20 (1.7 to 2.2)</td>
</tr>
<tr>
<td>3</td>
<td>20 to 25 (2.2 to 2.8)</td>
</tr>
<tr>
<td>4</td>
<td>25 to 30 (2.8 to 3.4)</td>
</tr>
</tbody>
</table>

11. Tighten the inner jam nuts using an open-end wrench to secure the assembly.
Sight Glass and Weld-In Sight Glass Assemblies
(Basic Ordering Number JCD54 and JCD54W)

Cleaning
Sight glasses can be cleaned-in-place or manually cleaned.

Disassembly
1. Remove one of the Kwik clamps.
2. Remove the glass disc and fixture gasket from the retaining cup.
3. Remove the Kwik-clamp gasket from the body.
4. Clean parts and inspect for wear prior to reassembly. Replace gaskets and glass discs as necessary.

Reassembly
1. Install a fixture gasket and glass disc into the retaining cup.
2. Install a Kwik-clamp gasket on the body.
3. Install the Kwik clamp assembly onto the sight glass body. Install and tighten the clamp.