



A0025

Telescoping Diffuser Installation Instructions

Included in kit:

- (1) Pre-assembled Diffuser
- (4) Pop Rivets (564412)
- (1) Indent Tool (564416)
- (1) Drill Template (575825)

Instructions:

1. Determine Dimension A from top of sealing surface to bottom of tank (Dimension A – Figure 1).

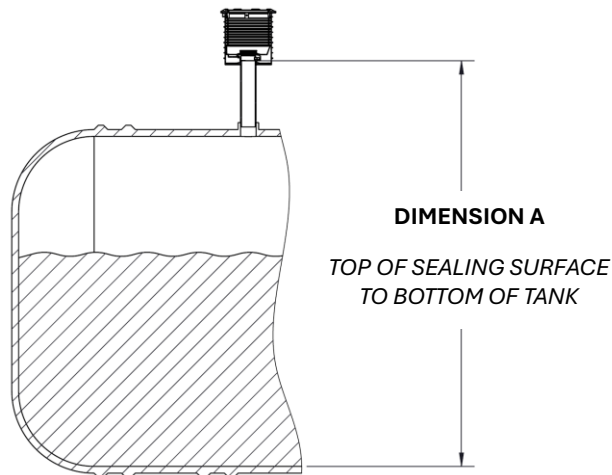


Figure 1 – Dimension A measurement

2. Diffuser attachment height (Dimension B – Figure 2) determines overall tube cut length. Because the A0025 Diffuser is compatible with multiple drop tubes on the market, Dimension B depends on which drop tube the diffuser is installed on.

For **EMCO** drop tubes: **Dimension B = 5-5/8"**

For OPW/Franklin drop tubes: Dimension B = 6-5/8"

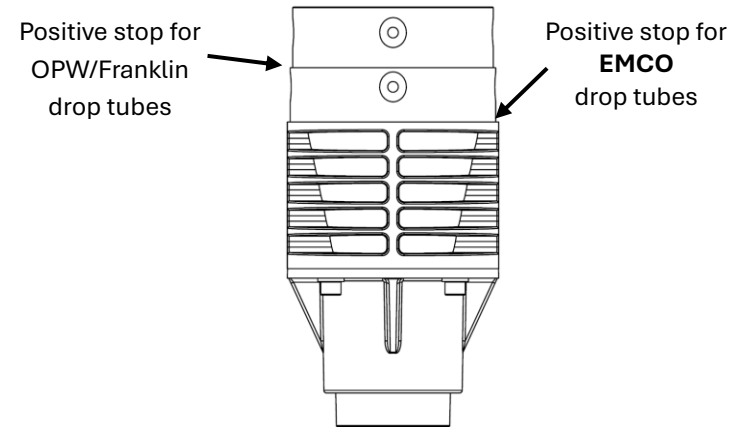


Figure 2 – Diffuser Attachment Height, Dimension B

3. Overall tube length (OAL) is calculated by subtracting Dimension B from Dimension A:

$$\text{OAL} = \text{A} - \text{B}$$

Use a tape measure and mark the bottom of the drop tube at this length.

4. Carefully cut the bottom of the tube using a hacksaw with a fine-tooth blade to ensure a straight 90-degree cut.

IMPORTANT: Do not use a power saw, pipe cutter, or tubing cutter as this may result in damage to the drop tube voiding the warranty.

5. Wrap the Drill Template (575825) around the tube. Align the cut line on the template with the end of the tube and tape each template end securely.

6. Use a 1/8" drill bit to drill four pilot holes around the tube as indicated on the template. Next use a 3/16" drill bit to open the holes to the final size. Do not drill the holes oversized. Remove the template.

7. Remove burrs from the cut edge and holes using a half-round file.

8. Slide the diffuser into the bottom of the tube and line up the pre-drilled holes. Use a hammer with the Indent Tool (564416) to indent the four holes so the countersunk rivets will sit flush.

9. Use the 3/16" drill bit to follow the indented holes through the tube and diffuser. This will guarantee clearance for the rivets. Insert a Pop Rivet (564412) into the first hole to keep the diffuser and tube holes aligned while drilling the remaining holes.

10. Pull the rivets to securely attach the diffuser.