

Installation Guide For Riser Extension Kits

Tools Required:

- Safety Gloves/Glasses
- Utility Knife
- #3 Phillips head driver bit
- For concrete applications:
 - 5/32" drill bit carbide tip
 - (8) Masonry screws (3/16" x 1 3/4")

Use sanitary gloves when working with septic system components, installing equipment into the septic system or handling any equipment that has come into contact with septic effluent. Wear protective eye gear at all times during the installation process.

Do not stack riser pipe higher than 50" without the consultation of a qualified engineer.

Aero-Stream kits are not rated or certified for vehicular and/or lawn utility equipment. Our complete riser kits have been load tested up to 2,500 lbs; however, **minor foot traffic only** is recommended.

For additional assistance please contact us at:

Technical Support

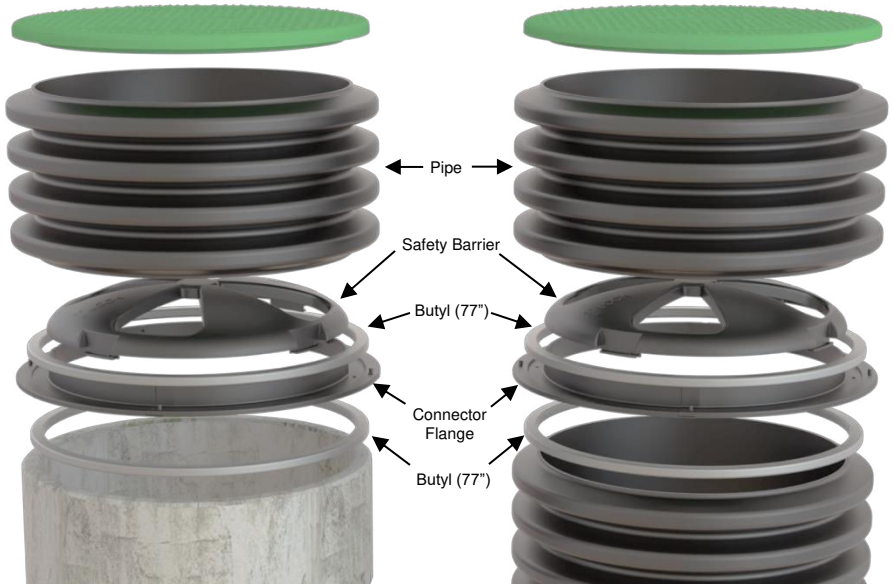
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OR

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Overview of Aero-Stream® Septic Tank Extension Kit

Figure 1 illustrates typical construction of extension kit



Steps to extend existing riser:

- 1.) Assemble connector flange by interlocking the four sections as shown in Fig 2.

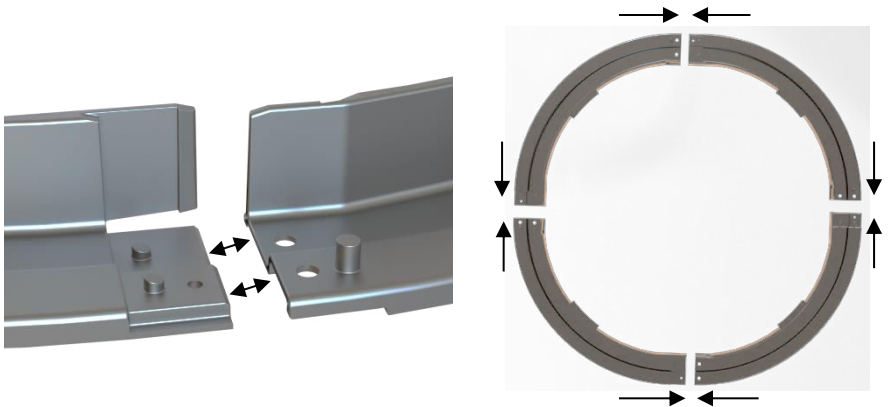


Figure 2: Assembly of connector flange

- 2.) Apply 77" of butyl sealant to the top of existing surface, overlapping and kneading the joined ends of the butyl rope together. (Fig. 1)
- 3.) Install connector flange on applied butyl (Fig. 1) & apply slight downforce. Locate the (8) dimples on the inner ring of the connector (Fig. 3). Drive (8) screws from bag "A" down into the existing pipe through dimples. For concrete applications, drill (8) 5/32" diameter holes (using carbide tip masonry bit) downward through the (8) dimples of the connector flange at least 2" deep into the existing surface. Procure (8) concrete fasteners (Specs: 3/16" x 1 3/4") and install.

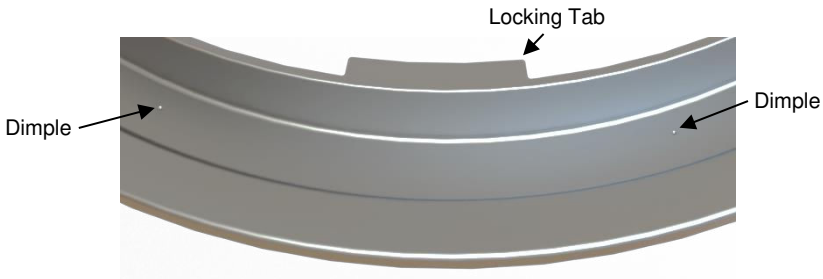


Figure 3: Locate Dimples (Top down view)

- 4.) Apply 77" of butyl sealant around top of connector flange where pipe will meet connector (Fig. 1). Overlap and knead ends of butyl together. Remove and discard tape.
- 5.) Center the riser pipe on the adapter flange so the inside gap is even all of the way around. When the even gap is achieved, lower the riser pipe onto the butyl rope. As required, make final adjustment and apply firm downward pressure to seat the riser pipe into the butyl sealant. Apply downward pressure all around riser pipe.
- 6.) Locate the four (4) mounting dimples on the inside perimeter of the connector flange (Fig.4). Install four (4) screws from bag "B" into mounting dimples to attach the connector flange to the riser pipe. Drive the screws until the head makes contact with the connector flange & slightly compresses the flange

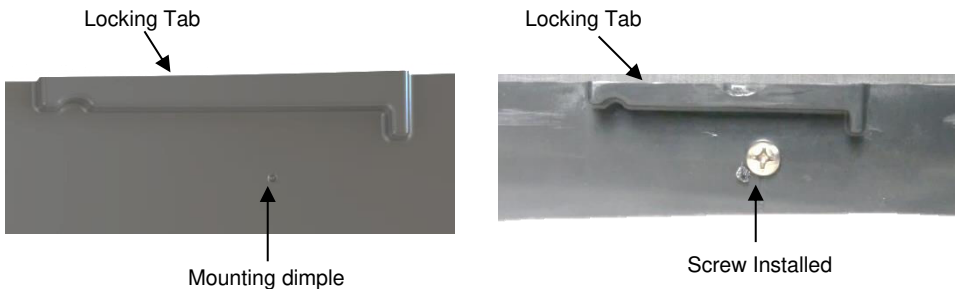


Figure 4: Screw Install

Repeat steps 1 – 6 for each section for pipe kits 23" tall and greater.

Installing Safety Barrier:

- 7.) Locate the four mounting tabs on the safety barrier. Insert the safety barrier into the locking tabs on connector flange. (Fig 5)

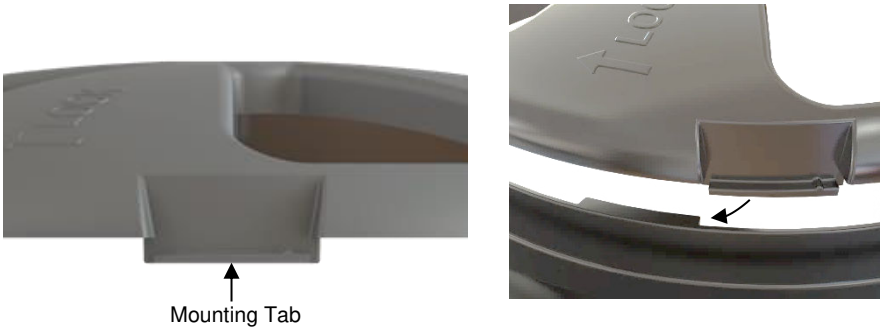


Figure 5: Safety Barrier Install

- 8.) *Confirm all four mounting tabs are positioned with all four locking tabs. Rotate the safety barrier clockwise, the direction the “LOCK ARROW” points. A slight rap with the palm of the hands in the safety barrier triangular openings will seat the safety barrier in place.*
- 9.) *Grasp the openings of the safety barrier and pull upward. It MUST NOT dislodge from the assembly. If any of the mounting tabs are not engaged with the locking tabs, remove the safety barrier and repeat step 7 through step 9 until the safety barrier is secure.*

WARNING: FAILURE TO PROPERLY ENGAGE THE SAFTEY BARRIER WILL DEFEAT THE SAFETY FEATURE OF THE DEVICE!

- 10.) **Always** securely attach a watertight cover to riser. Cover must be bolted or locked to prevent access. Cover must be checked after each tank servicing. Cover must be inspected regularly for damage and security. The secondary safety barrier must be securely fastened in place at all times. The safety barrier must only be removed to gain entry into the tank by a properly credentialed professional donning appropriate safety gear.