

**IMPORTANT INFORMATION - FOLLOW ALL INSTRUCTIONS**

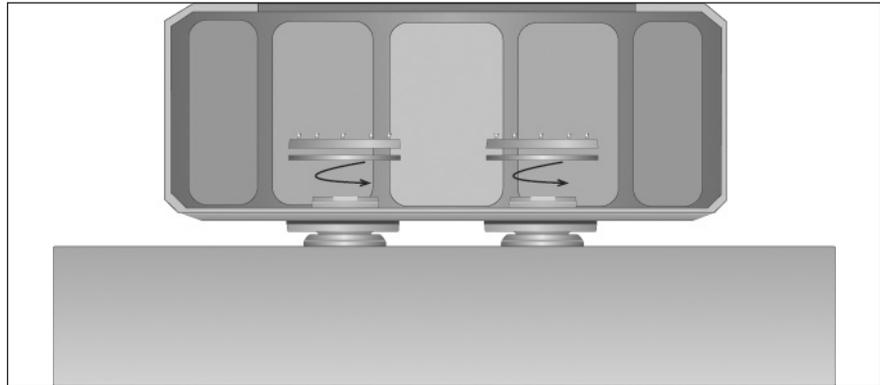
Please contact your OPW FCS sales representative or OPW FCS customer service representative at 1-800-422-2525 for OPW FCS product installation procedures. All OPW FCS literature including installation instruction sheets and manuals can be accessed from the OPW FCS website at: [www.opwfcs.com](http://www.opwfcs.com).

The use of non-qualified personnel or any deviations from these recommended procedures could result in damage or leakage of the system.

**Tank Fitting Adapters**

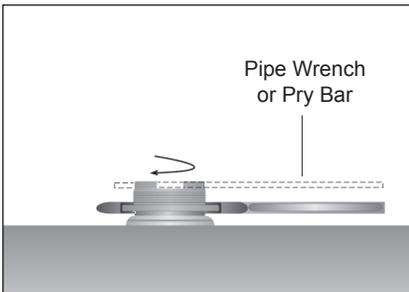
Should the tank sump require mounting to a tank's fitting then the *Tank Fitting Adapter* must be used. The *Tank Fitting Adapter* will install into a 4" NPT threaded tank fitting. Follow these fabrication and mounting instructions to comply with the product warranty. The adapter is of sufficient height to prevent interference of the sump base and with the ribs on ribbed fiberglass tanks. The adapter's connection to the sump and to the tank is liquid tight and secure. Assembly Components Include the following: 1-Adapter Base, 1-Flat Rubber Ring Gasket, 1-Compression Ring, 1-Threaded Ring, 8 - 3/8" Bolts.

**IMPORTANT** Always install two *Tank Fitting Adapters* for high ground water applications.



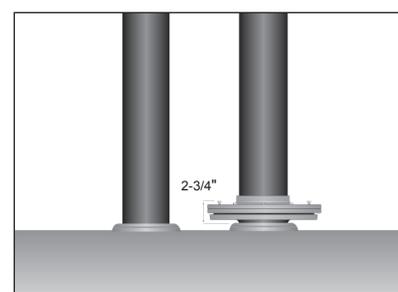
**Installing Adapters**

Use a large mouth wrench and position around the outside of the *Tank Fitting Adapter*. As an alternative, use a pry bar between the notches on top of the TFA. Tighten adapter into fitting being careful not to damage the outside threads or tank surface. (Note: Use approved pipe sealant around threads.)



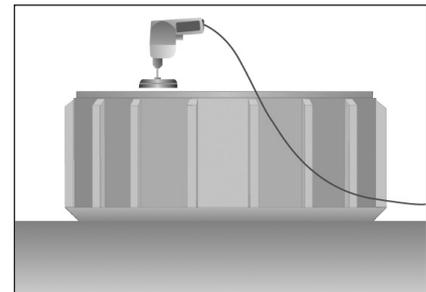
**Riser Pipe Adjustments**

It may be necessary to modify the height of the riser pipe which contains the drop tube. The riser pipe needs to be ordered 2-3/4" shorter than typically specified or cut and threaded in the field to allow for the added height of the *Tank Fitting Adapter*.



**Sump Base Fabrication**

After the placement of the *Tank Fitting Adapter* holes have been located on the base of the sump use a drill fitted with a 5-1/2" hole saw to cut out holes for the 4" *Tank Fitting Adapter*. Use a saber saw to make the hole for a 6" TFA. NOTE: Other brands of tank fitting adapters may require different size hole saws so make sure the correct size opening is made.



**IMPORTANT** Install flat gasket on the surface of the *Tank Fitting Adapter* flange located under the tank sump base.

**IMPORTANT** In order to avoid base deformation in sump two *Tank Fitting Adapters* can be used.

**Mounting Sump Base**

After the holes have been drilled in the bottom of the sump base and the *Tank Fitting Adapters* have been installed, the mounting of the sump base may begin. First, remove the compression ring and washer from the adapter. Check to make sure the flat gasket is evenly positioned on the flanged section. Second, set the sump base over the threaded riser onto the rubber gasket. Make sure the sump base fits evenly on the gasket and that there are no obstructions under the base. Place the non-threaded compression plate over threads and onto sump base. Thread the bolt-down compression ring onto the threads of the flange until compression ring is snug against the compression plate. After the ring has been tightened, begin tightening the eight (8) bolts into compression ring. The bolts should be tightened in star pattern to ensure equal compression. When backfilling make sure that the backfilling material is evenly distributed under the sump.

