


Tank Manway Adapter Kit

Installation Instructions

Warning  Follow all federal, state and local laws governing the installation, testing and inspection of this product and its associated systems. When no other regulations apply, follow NFPA codes 30, 30A and 70 from the National Fire Protection Association. Failure to follow these codes could result in severe injury, death, serious property damage and/or environmental contamination.

Tank Manway Adapter Kits

When a polyethylene/fiberglass tank sump has to be mounted to a tank's manway, use the Tank Manway Adapter Kit. Use the MA-22 kit for 22" diameter manways installed on fiberglass tanks, and use the MA-24 kit for 24" diameter manways installed on conventional steel tanks. The Tank Manway Adapter Kit includes: a studded mounting ring, eight piece compression ring, a pre-installed sump base ribbed gasket, a manway cover gasket, and nut fasteners. Follow the installation instructions below to correctly mount the sump to the manway. Contact your tank manufacturer to make sure that the bolt hole configuration of your tank's manway matches that your manway mounting ring.

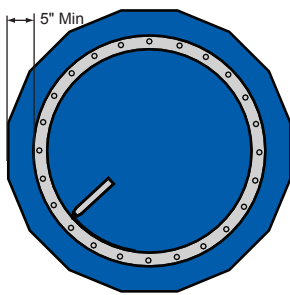
Note: To reduce stress on the tank sumps, FFS recommends a minimum of 5" between the inside corner of the sump wall and the edge of the manway.

- Step 1**
Preparing the Sump Base
Flip the sump base over so that the bottom of the sump is facing up. Assemble the segmented compression ring on the sump base. Center the assembled ring on the sump base using the fabrication guidelines. Use a permanent ink marker to trace the inside circle of the segmented ring. Remove the segmented ring from the sump base.

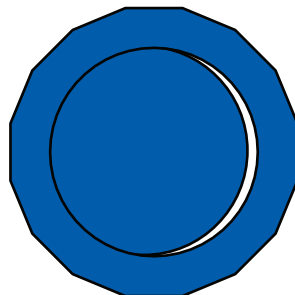
Step 2
Cutting Out the Opening
With the path of the inside circle of the segmented compression ring traced on the sump base, cut out the outlined opening using an electric sabre saw equipped with a plastic cutting blade. Use the saw to cut out the traced circle on the bottom of the sump base. After cutting out the opening, clean the edges up (using a razor if necessary).

Step 3
Drilling Bolt Holes
Put the segmented compression ring on the sump base evenly. Center the assembled ring on the inside edge of the cut-out opening. Using two vice grips, clamp the ring to the sump base as shown. Use an electric drill with a 7/16" bit to drill out the 24 bolt holes. Remove the segmented ring from the sump base after the holes are drilled.

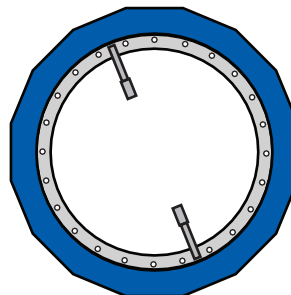
Step 4
Installing the Adapter Ring
After completing Steps 3 and 4, the adapter ring needs to be installed onto the sump. *Make sure that the ribbed gasket seal is in place over the studs.* Turn the adapter ring over so that the studs are facing down. Insert the studs into the bolt holes evenly. Push the adapter down flush with the surface of the sump base.



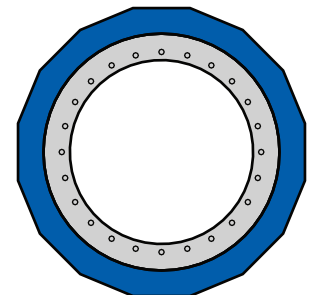
Step 1



Step 2



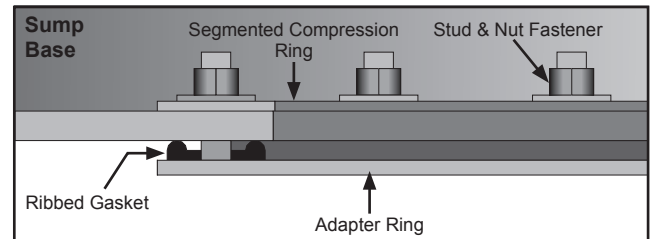
Step 3



Step 4

Step 5 Adapter/Sump Base Assembly

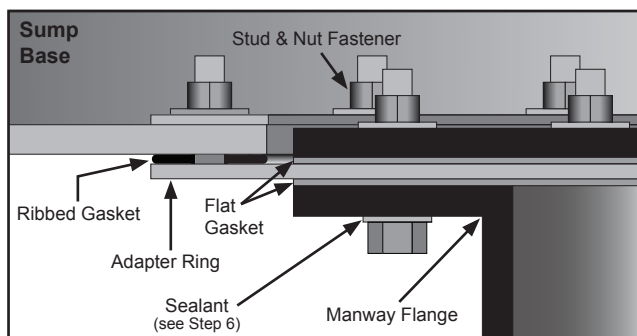
Turn the sump base on its side to access the interior and exterior of the sump. On the inside of the sump base, install the segmented compression ring over the penetrating studs. Next, assemble the washers and nuts to the studs and gradually begin tightening down all of the nut fasteners in stages until they are all secure.



Step 5

Step 6 Manway/Sump Base Assembly

Install the flat manway gasket over the studs/bolts and onto the manway flange. Position the sump base over the gasketed flange so that the manway studs/bolts fit through the adapter ring. Place the flat gasket, provided with the kit, over the adapter ring. Next, install the manway cover over the gasketed adapter ring. Finally, install the manway cover nuts.



Step 6

Note: All bolt heads must be sealed from below the flange.

Bostik marine grade sealant is approved by Franklin Fueling Systems for this application.



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Manual	Rev	Date	Changes from previous
771-236-00	3	Sept. 8, 2010	Added 5" clearance note