Orenco SYSTEMS *Instructions*

Installing RRFTA24 Tank Adapters

Before You Begin

Watertight seals are critical for proper system operation. For installing PVC access risers, see PVC Access Riser Installation (NIN-RLA-RR-1).

Step 1: Drill Anchor Holes

Step 1a: Center the tank adapter on the tank opening.

- Check that all of the adapter's attachment holes are outside of the tank opening.

Step 1b: Use the holes in the adapter as a template and drill holes into the tank.

- Use a 1/4-in. (6 mm) masonry drill bit.
- Drill the holes 1-3/8 in. deep (35 mm) into the concrete.

Step 1c: Remove the tank adapter and clear any debris out of the anchor holes.

Step 2: Prep Tank Adapter

Step 2a: Clean the bottom of the adapter with a clean rag and acetone or alcohol to prep the surface.

Step 2b: Apply strips of butyl tape around the underside of the adapter, just inside of the perimeter of the holes.

- Overlap the ends of the butyl tape strips to help avoid leakage.

Step 3: Prep Concrete Anchors

Thread the nuts onto the concrete anchors until the nuts are flush with the ends of the anchors.

- This protects the threads on the anchors when they are driven into the holes.

Step 4: Install Tank Adapter

Step 4a: Drive the anchors into the anchor holes until they bottom out in the holes.

- Drive the anchors straight into the holes. It's easy to damage the anchors or ruin the anchor holes if the anchors aren't aligned correctly.

Step 4b: Remove the nuts from the anchors.

Step 4c: Align the drilled holes in the adapter with the concrete anchors and place the adapter on the tank.

Step 4d: Install washers on the anchors.

Step 4e: Reinstall the nuts on the anchors and hand tighten the nuts.

Step 4f: Tighten the nuts enough to thoroughly compress the butyl tape.

- Use an alternating tightening pattern to tighten the nuts evenly and to provide the best seal.
- Don't strip out the nuts or break the concrete anchors.

Note: *After installation, the top of the tank adaptor will be about 3 in. (75 mm) higher than the top of the tank; keep this difference in mind when setting float switches with a top-of-tank reference point.*