

Certified Installation Quick Reference

1. Inspect Equipment When It Comes off the Shipping Truck

- A. What to look for:** Check tanks for cracks, damaged discharge connections, seam separation, etc. Check Panel containers for signs of external damage to the shipping box.
- B. Liability:** Once you sign for it, it is yours! (E/One is not present to inspect it)
- C. Storage:** Cores and panels may come shipped stacked on pallets in cardboard boxes. Store separate cores and panels inside and dry.

2. Concrete Ballast

- A. Purpose:** To resist buoyant force from ground water and keep the tank stable in the ground
- B. Specifications and Tables:** Refer to charts and tables in the installation manual.

3. Setting the Tank

- A. Depth:** Top of the tank should be at least 2" - 3" above final grade.
- B. Bottom:** NEVER leave the pallet on the bottom of the tank. There must be 6" of suitable stone (round aggregate) in the bottom of the hole; this will make leveling and plumbing of the station much easier. Lift tanks carefully per the Installation Instructions.

4. Inlet

- A. Piping:** Comes with standard 4" inlet which will accept Schedule 40 or Schedule 80 PVC. SDR 35 has different OD and will require a different grommet.
- B. Installing**
 - I. Stops:** Measure 3 ½" from end of inlet and mark your pipe.
 - II. Insertion:** Bevel the end of the pipe & lubricate the grommet with soapy water or suitable substance such as plumbers' grease, silicone grease etc. Insert the pipe until the mark touches the grommet.
 - III. Inspection:** Always inspect the grommet after installing the pipe to ensure that it has not rolled assuring a good seal.
 - IV. Stub Out:** 5' of pipe with a *glued watertight* PVC cap on the end!

5. Discharge

Comes with a 1-1/4" discharge fitting female threaded. Use pipe acceptable to local codes such as SCH 40 PVC or HDPE pipe. Install a check valve and a shut off valve at the curb.

6. Backfill

*****NO CLAY, ICE, ROCKS OR ROOTS*****
 *****USE Class I or II as defined in ASTM2321*****
 *****Angular crushed stone compacts better with less tamping *****
 *****Backfill must be compacted in 1' lifts*****
 *****Bed your Lines*****

7. Electrical Connection

- A. Length:** 32' to 100' (MUST contact factory if longer lengths are required)
- B. Stop:** Do not leave excess cable in the station but leave enough so that the EQD is serviceable 2' to 3' outside of the top of the station. Hang EQD and equalizer at the top.
- C. Connector:** ALWAYS make sure to tighten the watertight connector on the tank.
- D. Burial:** ALWAYS use caution when burying the cable. Remove large rocks to avoid nicking the cable.
 - 1. Depth:** The cable **must** be in conduit when buried above 2' depth. Conduit must be 24" into the ground at the station and the length rising out of the ground at the control panel. Leave a 6" to 12" settling loop on both ends.

8. Panel

A. Mounting

- i. Serviceability and Accessibility:** Mount the panel 4' to 5' off the ground in a conspicuous location with line of sight to the station:
- ii. Penetrations:** NEVER penetrate any portion of the panel box other than the bottom surface. Always use the flanges provided on the box for mounting.
- iii. Sealing:** ALWAYS seal your conduits with duct seal