

Installation Quick Reference

1. Inspect Equipment When It Comes off of the Shipping Truck

- A. **What to look For:** Check tanks for cracks, broken 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!
- C. **Storage:** Cores come shipped stacked on pallets in cardboard boxes. Store separate cores inside and dry.

2. Burial

- 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.

3. 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.

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 1/2" 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.
 - iii. **Inspection:** Always inspect the grommet after installing the pipe to insure that it has not rolled assuring a good seal.
 - iv. **Stub Out:** 5' of pipe with a *glued water tight* PVC cap on the end!

5. Discharge

Comes with a 1 1/4" discharge female threaded. Use pipe acceptable to local codes such as SCH 40 PVC or HDPE pipe. You can go up to 1 1/2" pipe on the service lateral. 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'
- B. **Stop:** Do not leave excess cable in the station, but leave enough so that the EQD is serviceable outside of the top of the station. Hang EQD and equalizer at the top.
- C. **Connector:** ALWAYS make sure to tighten the water tight connector.
- 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 above 2' into the ground with 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. Always use the flanges provided on the box for mounting.
 - iii. **Sealing:** ALWAYS seal your conduits with duct seal.