

Installation Instructions

Only for use by Certified, Licensed installers

1. Prepare an excavation, having a diameter approximately one foot larger than the tank and a depth that will allow approximately three inches of the inspection port to extend above normal ground level. Backfill with a six inch layer of Pea gravel if otherwise unable to provide a smooth, level, compact base.
2. Utilizing lifting lugs provided, place the plant in the excavation so that the inlet and outlet line up with the sewer piping. The inlet line should slope down toward the plant and the outlet line should slope down away from the plant. The plant should be level.
3. Position inlet and outlet lines and make connections as necessary, depending upon the construction materials. The inlet line should be inserted and glued into the inlet elbow and the discharge line should be inserted and glued into the outlet coupling. Note: Fill the tank with water until water flows from the discharge before back-filling. Backfill around plant, up to the bottom of the discharge connections.
4. Do not install the air pump(s) in a low lying area where water may accumulate.
The air pump should be installed near the control panel and within one hundred feet of the tank.
Air pump can be installed outdoors or in a clean, well ventilated area, such as a mechanical room, garage, etc.
If the linear air pump is to be installed in an additional enclosure, the enclosure must be approved by CWS in writing.
5. Mount the control panel in an area such that the alarm can be heard and be readily observed.
All electrical work shall be done according to local code requirements.
6. The control panel is rated for indoor and outdoor use and contains a fuse or circuit breaker for the air pump. An electrical malfunction in the air pump or wiring to the air pump will cause the fuse to blow or circuit breaker to trip. The control panel also contains a pressure switch and visual and audible alarm. Loss of air pressure caused by the air pump system malfunction will cause the alarm to sound to illuminate
7. Connect the pressure air tubing to the 1/8" barb-fitting in the air piping system.
8. Install 3/4" schedule 40-PVC piping between air pump and treatment unit.
A minimum of 12 inches ground cover is recommended.
9. Turn power on to control panel. Air pump should start.
10. Check air piping joints for leakage using a soapy water solution.
Repair if necessary and then carefully backfill airline and inlet and discharge piping and cover plant to grade level.
11. Re-check water level in the tank.
12. Plant is ready to receive incoming sewage. No special start-up procedures are required. The process is naturally occurring and does not require any special additives
13. Test alarm circuit by momentarily squeezing air tubing and allowing air pressure to decrease. This should take a few minutes. Alarm should occur. Release air tubing and alarm should stop.
14. Close cover to control panel, and lock if necessary.
15. **WARNING: CONTROL PANEL CONTAINS HIGH VOLTAGE AND MUST ONLY BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL**