

# SepAerator™ Installation Instructions

## Simple Installation Instructions

The SepAerator can be installed into an existing septic tank very easily in the following manner:

1. Dig down and find lids over the inlet and outlet portion of your septic tank.
2. Attach ½ inch spa-flex airline to the diffuser assembly and lower to bottom of the tank in the inlet portion of your septic tank.
3. Attach other end of ½ spa-flex airline to air pump, which will simply plug into 115-v receptacle.
4. Install filter assembly in the discharge end of your septic tank to the outlet line. It should glue. We even supply the glue.

Note: The diffuser assembly would very rarely need to be cleaned making risers above this component optional. We recommend that you install our optional [riser and lid kits](#) that would extend the septic tank opening to or slightly above the ground surface, over the Air Driven Particle Recirculator or filters found in some packages. This is necessary to allow easy access to these key components that would need to be removed and washed with a garden hose occasionally. Without adding risers and lids over the filter assembly, in the discharge end of your septic tank, you would have to dig down to the septic tank lid to remove and clean the filter. The filter is a necessary and a key component to any aerobic conversion kit and will need to be cleaned occasionally. Cleaning the filter is very easy, provided you have access to it.

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## SepAerator Premium Package Detailed Installation Instructions

1. **Locate your existing septic tank.** Once you have located your septic tank it will be necessary to find two locations on the tank. You will need to locate the front of the tank lid or inlet lid, and the outlet lid or lid over the discharge. Dig down to the tank at these locations and remove existing lids. At this point you should have your tank pumped. It is recommended that you contract a local pumping contractor to pump out your septic tank. This is necessary so the SepAerator will work properly and will allow the diffuser assembly to set solidly on the bottom of the tank.

2. On the outlet/discharge end of the tank install the Air Driven Particle Recirculator. You should already see a 4-inch pipe (the outlet line) sticking into the tank. Remove filter from Assembly. **Remove any existing baffle**, clean pipe and glue the Air Driven Particle Recirculator to the outlet. Make sure the Air Driven Particle Recirculator is level running up and down. This can be checked

with a small level. Note: if the pipe does not protrude into the tank far enough to glue the Air Driven Particle Recirculator you may use the Polylock extend n lok adapter by driving it inside the existing pipe and then attaching the Air Driven Particle Recirculator to it. The filter tee will fit either schedule 35 or 40 pipe or the extend n lok adapter. Make sure your filter can be removed through the septic tank access hole after installation of Air Driven Particle Recirculator. **Note: The septic tank filter should be removed and washed with water every 3 to 6 months. If you have purchased the Premium package attach the small ¼ inch airline included to the adapter fitting at the top of the Air Driven Particle Recirculator. The other end will later attach to a fitting on the air pump.**

3. **Risers and Lids:** Take caulking or sealant and place around the bottom of one of the 20-inch converter rings. Attach to tank with screws or anchor kits if the tank is concrete. Place riser on converter ring and fasten with screws. Add as many risers as needed to bring lid to a minimum of 3 inches above grade. This will allow for access to the components as needed for periodic maintenance and inspection.

4. Place lid on risers and attach with stainless coated screws included. **Note: It is necessary to place an Air Driven Particle Recirculator on the outlet line of your septic tank if you have a single compartment septic tank. It is recommended that you do this on all installations and only comes with our Premium Package. If you have a two or three compartment septic tank you could avoid steps 2 through 4.**

5. Move to the front compartment of the septic tank and drill or locate existing lid on the septic tank. You need a minimum 8-inch diameter hole here. Once you have this follow step 3 and install risers if desired.

6. Remove screws from housing and platform and locate diffuser assembly inside.

7. Take diffuser assembly and attach to the diffuser base and **hand tighten**. Attach spa flex (flexible air line) to the diffuser assembly with included clamp. Lower the diffuser assembly through opening above the inlet in the septic tank until it sits solidly on the bottom of the tank. If risers are used drill a small hole just large enough for the ½ airline to pass through and seal. **Note: Take all precautions necessary to keep your septic tank watertight after installation of any components.**

8. Run the airline (flexible Spa-flex) from the diffuser assembly through the bottom of the platform and attach as per included picture to the air pump. Also with our **Premium Package**, at this point attach the ¼ inch airline from the septic tank filter to the fitting included on air pump. Mount platform along side of riser and lid. For remote mounting of air pump extend airline from diffuser assembly to air pump location by gluing ½ schedule 40 pvc pipe or additional spa-flex. **Note:**

**Do not exceed 80 feet from tank. Place platform high enough that air pump will not flood. Air must circulate between housing and platform. Keep dirt away from bottom of housing.**

**9. The Air Pump has an attached cord and will simply plug into any existing 115 V receptacle.**

**10. Optional Alarm and Control Panel:** Have licensed electrician run (when using alarm and control box) a 14-2 underground wire or conduit whichever is required in your area from power source to control box if included or air pump. **Note: A minimum of a 14-2 underground wire must be run to power alarm. A 14-3 UF wire must be run from the alarm to the control panel if applicable.** When 115 volt electrical connections have been made turn on power. Air pump should be running

11. Backfill all risers and electric line carefully.

12. Make sure your septic tank is full of water after installation. This is necessary to eliminate the possibility of tank floatation, as well as proper operation of the pump and diffuser assembly. Fill the tank with a garden hose or by turning on the faucet in your bathtub.

13. The air pump is designed to run continuously. It provides quiet and energy efficient operation. Most pumps use less than 2 amps. For proper operation air pump should not be turned off or placed on a timer. **Note: The small filter located on the top of the air pump should be removed and cleaned with air or water every 6 months and replaced every 12 months.**

Begin using your system normally. It may take 4 to 12 weeks for a significant amount of bacteria to develop. It is this aerobic bacterium that will make the system produce a clear and odorless discharge.

**Installations vary in each individual State. It is the sole responsibility of the end user (homeowner/purchaser) to see that the products are installed in accordance with all applicable county/state/federal laws, regulations and guidelines in effect.**