OVERVIEW

Striem “Lab Rat” prefabricated Chemical Waste Tank is designed to be placed under individual sinks, lab stations and point-of-use locations. The unit is designed to neutralize or dilute (based on specifier requirements) chemical waste and bring it to a more neutral state, rendering it acceptable for local wastewater treatment facilities. The Polyethylene construction makes it an ideal vessel for chemical waste applications.

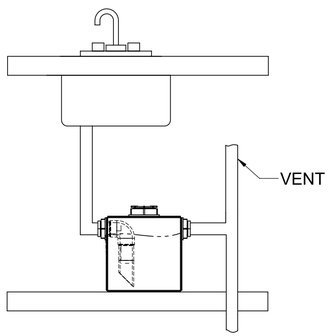
LIMESTONE

When using limestone as a neutralizing agent, it is essential to use the correct size and type of limestone. Striem recommends limestone that is 2” to 3” in size and has a Calcium Carbonate content of 90% or greater (Striem offers limestone that meets these requirements).

INSTALLATION

Always install and maintain Striem Chemical Waste Tanks or Systems according to manufacturer’s recommendations, specifier requirements and state and/or local codes.

1. Inspect the unit for defects and make sure it meets specifier requirements. Make sure no damage has been done to the tank or fittings during transportation.
2. The LB-2-ADA tank is designed for above grade or partially recessed installation only. Install the tank as close to the fixture as possible, making sure there is enough room above and around the tank for proper cleaning and maintenance.
3. All Tanks must be independently supported to avoid stress on fitting connections.
4. To use the 2" connection, remove the adapters. To use the 1-1/2" connection, remove the adapters, apply Teflon tape or pipe sealant, then replace the fitting.
5. Connect piping to the Inlet and Outlet with appropriate piping, supplied by others. Do not over tighten fittings. The LB-2-ADA has a built in sewer gas trap, eliminating the need for an additional trap prior to the tank.
6. Inspect all pipe joints to ensure there are no leaks.
7. Any tank requiring limestone MUST be filled with water before adding limestone.
8. Inspect the cover gasket and replace cover.
9. DO NOT pressure test the tank.
10. System is now ready for use.



LB-2-ADA Installation

OPERATION

Wastewater flows through the inlet connection and is forced to the bottom of the unit through the inlet diptube. For Neutralization Tanks, the wastewater is then filtered through a neutralizing agent (Limestone with a Calcium Carbonate level of 90% or better is most common) and then exits the Chemical Waste Tank to the sanitary drain system through the outlet. Striem “Lab Rat” tanks have a built in sewer trap; check local codes to make sure this is allowed.

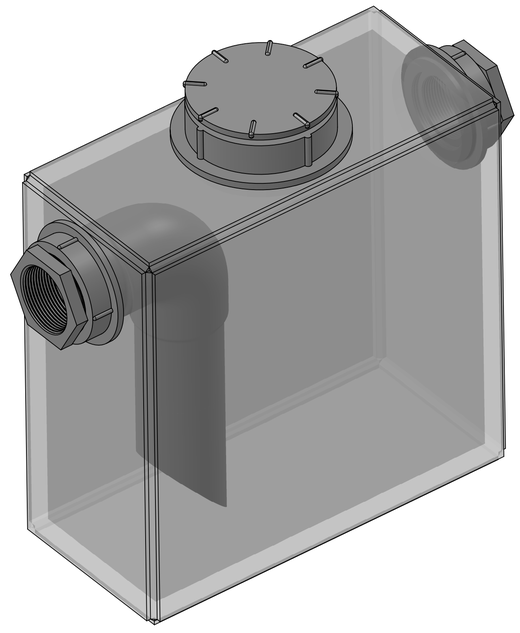
MAINTENANCE

For the best maintenance, contact a local sewer and drain contractor. Proper maintenance is essential to keep the LB-2-ADA Chemical Waste Tank in proper working order. Debris entering the tank from a sink or lab station may plug the diptube or foul neutralizing agent. If limestone is to be used as a neutralizing agent, the limestone will be depleted as it works to neutralize incoming effluent. As the limestone is depleted, the tank should be cleared of sludge, sediment and debris before adding new neutralizing agent. A qualified professional should be responsible for analysis of effluent, inspection, maintenance and replacement of neutralizing agent.

1. Observe a regular schedule of maintenance. Start by inspecting the new system every month to three months until a proper schedule can be established. Frequency will depend on tank capacity and the contents of chemical waste passing through the system.

2. Debris and sludge must be cleaned out periodically to allow the free flow of water through the tank. If it is determined that the Chemical Waste Tank or System will encounter large amounts of debris or sediment, specify a Striem Solids Interceptor.

3. As the limestone is depleted, the tank should be cleared of sludge, sediment and debris before new neutralizing agent is added. When limestone begins to foul, it often dissipates into a muddy substance and the level of the stone will begin to recede. When the stone is fouled, the tank should be flushed with fresh water, the fouled debris removed from the tank, the tank cleaned, and new limestone added.



NOTES:

Striem Lab Basins are not to be installed in any other manner except as shown. Consult local codes for separate trapping requirements, cleanout locations and additional installation instructions.

DESCRIPTION:

LAB RAT INSTALLATION,
OPERATION, AND MAINTENANCE GUIDE

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