

Econo-Chlor Liquid Chlorinator

Wallis, Texas

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www.liquidchlorination.com

Chlorinator Installation For Lid Mounting Reservoir

Supplies Needed:

Cordless Drill **PVC Cutters and Saw** **1/2" PVC pipe (4 ft.)**
7/32" drill bit **PVC Glue & Cleaner** **4" PVC pipe (10 ft.)**

CHEAP COTTON STRING MOP

!!!! TURN OFF POWER FIRST!!!!

Venturi Assembly

Install the 1"x 1/2" T fitting that is supplied with the chlorinator kit onto the discharge pipe to the sprayfield between the **pump union and the pump tank riser**, the 1/2" port from the T fitting should face straight down into the tank. After T fitting is installed, glue the 1/2" pipe from the Venturi assembly into the 1"x 1/2" T fitting making sure that the 1/2" cap on the bottom of the Venturi assembly is facing down into the pump tank. **For deep installation (ie. 2 or more risers on pump tank) install the reducing "T" with the 1/2" port facing up**, then install the appropriate length of 1/2" pipe and two 90* elbows to bring the assembled components to about 1" from the top of the risers so chlorinator components will NOT interfere with top closing.

Storage Container Assembly With Precast Coupling

Measure from the bottom inside of the pump tank to the bottom inside of the tank lid; subtract 3 1/2", cut 4" pipe to this measurement. **!!DO NOT SKIP THIS STEP!!** *After first cleaning dirt and debris from inside of pipe used for storage container (this is easily done using a cheap mop)* glue bottom cap onto pipe. Glue the bottom pipe for the storage container into the bottom of the coupling that is precast into the lid. Measure from the coupling in the top of the tank lid to finished grade of soil, add enough to your measurement to allow for importing soil and final grading site (**6" or more recommended**) and cut the pipe for the top of the storage container to this length. Glue male adapter with threaded cap to top of storage container. **Storage container can also be installed in the excavation at the end of the pump tank*

1/4" Vinyl Tubing / Filter

The outlet hole for the vinyl tubing supply line from the Storage Container should be drilled with a 7/32" drill bit at a downward angle (approx. 30*- 45*) into the storage container. The 7/32" hole should be drilled approximately 1/2" above where the storage container and the tank lid meet. Cut the 1/4" vinyl tubing, **opposite end from the filter assembly** at a long angle and feed the cut end through the previously drilled 7/32" hole. Feed the tubing from inside the storage container to the outside, **(make sure filter assembly lays on the bottom of the storage container)** pulling remainder of tubing outside the storage container, to be attached to the Check-Valve/Venturi assembly later. Drill a 7/8" hole through the pump tank riser. Install a length of 1/2" PVC pipe which will serve as a sleeve, where the vinyl tubing comes out of the storage container and goes thru the riser, add about 2-3" to the length of the pipe. Butt the 1/2" PVC pipe into the storage container after running the vinyl tubing thru the 1/2" pipe. Install a 1/2" pipe cap with a 7/32" hole drilled **DO NOT GLUE CAP** onto 1/2" pipe after routing vinyl tubing thru the hole in the cap. Attach Check Valve and short vinyl tubing supplied with the chlorinator kit to vinyl tubing from storage container and attach short tubing from Check Valve onto the barb fitting located on the Venturi assembly. **(DO NOT PUT ANY METAL EVEN STAINLESS INSIDE STORAGE CONTAINER)**

Fill Storage Container with **6.00 – 8.00%** Sodium Hypochlorite (Household Bleach) **TO PREVENT SYPHONING DO NOT FILL CHLORINE RESERVOIR ABOVE BARB FITTING ON THE VENTURI.**

TYPICAL INSTALLATION SCHEMATIC

