

# Chlorination Station

Wallis, Texas

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## Chlorinator Installation For Lid Mounting Reservoir

*Contact/Pump Chamber Required (300 Gallon Minimum)*

### Supplies Needed:

#### Cheap Cotton String Mop

Cordless Drill

7/32" drill bit

PVC Glue and Cleaner

PVC Cutters and Saw

1/2" PVC pipe (10 ft.)

4" PVC pipe (10 ft.)

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

### Venturi Assembly

With PUMP TANK RISERS installed to finished grade; Install the Venturi assembly into the discharge pipe from the pump using the supplied reducing "T" w/ barb fitting. Place the reducing "T" between the union and the poly riser on the discharge pipe to the sprayfield with the 1/2" opening facing down. Glue the Venturi assembly and re-circulation pipe into 1/2" opening of "T". **For deep installations (ie. 2 or more risers on pump tank) install the 1"x1/2" reducing "T" with the 1/2" opening facing up. Measure from the 1/2" opening in the "T" to the top of the riser. Glue together 2, 1/2" 90\* elbows using about a 3" length of pipe to separate the elbows. Glue a length of 1/2" pipe into one of the elbows and cut to the proper length to fit between the "T" and the top of the risers (be sure to allow adequate clearance for the top to fit back securely on the riser). Glue the assembly into the reducing "T" bringing the elbows as close to the top of the risers as possible, without interfering with the lid of the riser. \*Attach an appropriate length of 1/2" pipe into the coupling on the Venturi assembly making sure re-circulation pipe goes about 4" from bottom of tank. \*Attach 3/8" vinyl tubing from Venturi assembly to barb fitting on reducing "T" (If previous two steps are not done, chlorinator WILL NOT function properly!!!)**

### Storage Container Assembly with Precast Coupling

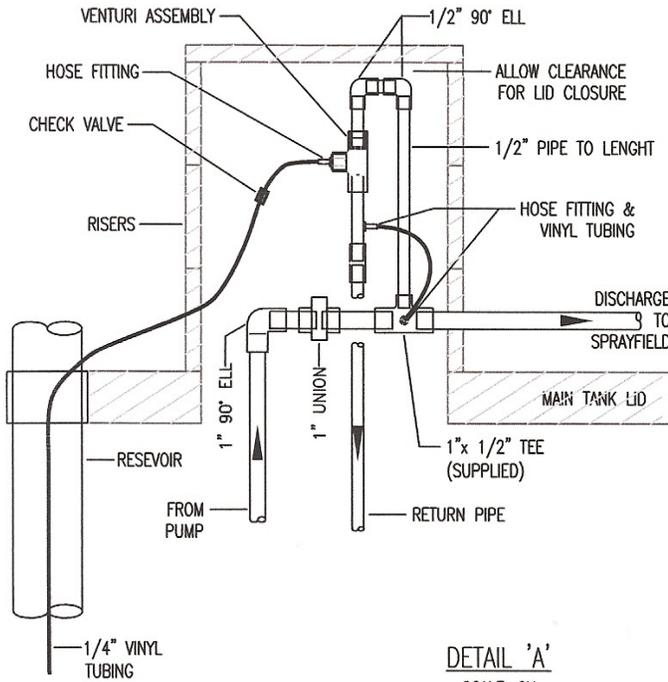
Measure from the bottom inside of pump tank to bottom of tank lid; subtract 3 1/2", cut 4" pipe to this measurement. **!!DO NOT SKIP THIS STEP!!** *After first cleaning dirt and debris from inside of pipe (this is easily done using a cheap mop)* glue bottom cap onto pipe. Glue pipe to coupling cast into lid from the inside of the tank. Measure from inside 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 above final grade is recommended**) and cut pipe to this length attach 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 from the Storage Container should be drilled with a 7/32" bit about **1"-2"** below the level of the small barb fitting on the Venturi inlet, drill hole at a downward angle toward the inside of the storage container. Cut the 1/4" vinyl tubing, opposite end from the filter assembly at a long angle and force the cut end through the hole from inside of the storage container to the outside, **(making sure filter assembly lays on the bottom of the storage container)** pull remainder of tubing outside the storage container, to be attached to the Check-valve/Venturi assembly. Drill a 7/32" hole through the riser, run 1/4" tubing from storage container thru riser to Venturi assembly. After square cutting end of tubing, attach tubing to the Check-Valve/Venturi assembly. (**DO NOT PUT ANY METAL EVEN STAINLESS INSIDE STORAGE CONTAINER**)

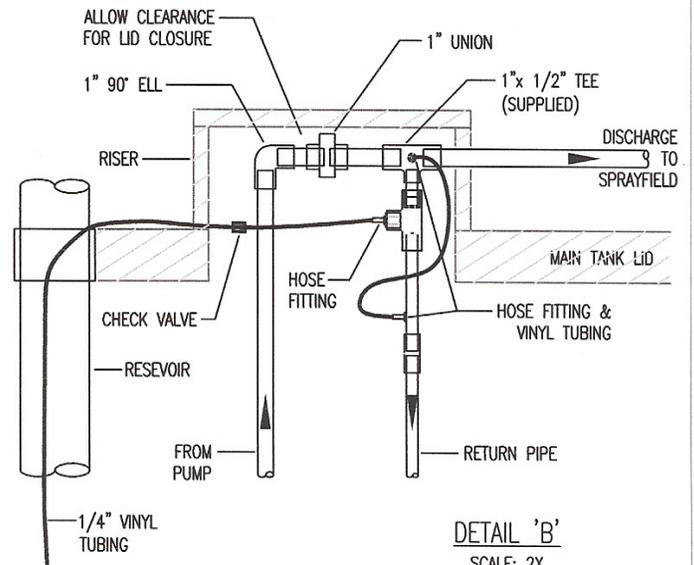
Fill Storage Container with **6.00 – 8.00%** Sodium Hypochlorite (Household Bleach) **TO PREVENT SYPHONING DO NOT FILL STORAGE CONTAINER ABOVE LEVEL OF SMALL BARB ON VENTURI.**

## DEEP TANK INSTALLATION SCHEMATIC

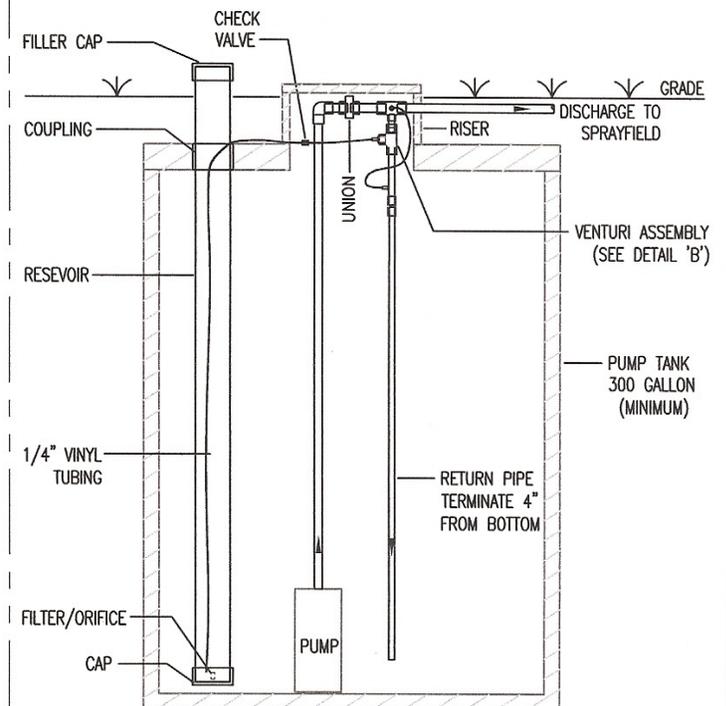
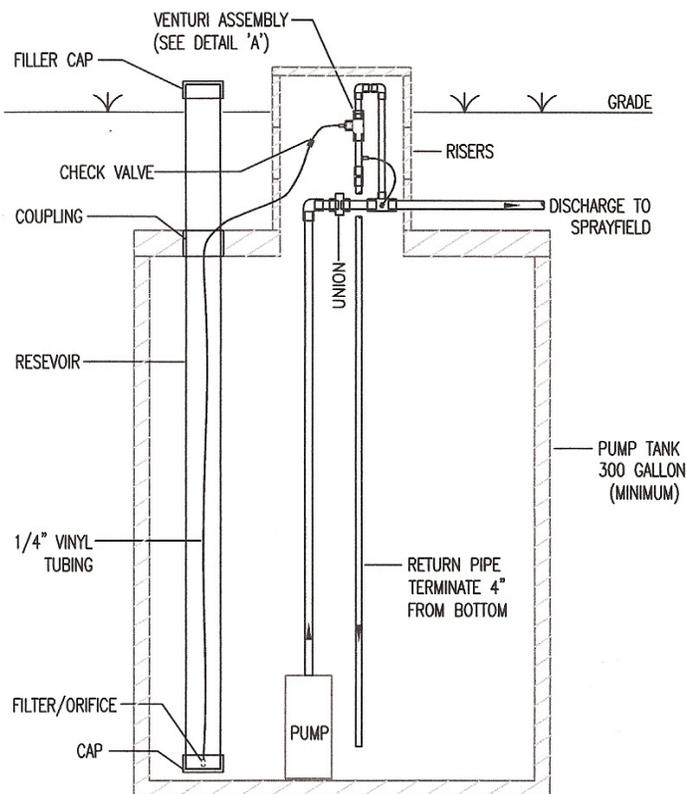


DETAIL 'A'  
SCALE: 2X

## TYPICAL INSTALLATION SCHEMATIC



DETAIL 'B'  
SCALE: 2X



## CHLORINATION STATION