

GO CHEMLESS Swimming Pool Bio Sanitizer Installation Guide

Required Tools and Resources:



Tape Measure



Marker



Hack Saw



PVC Primer & PVC Cement



Drill



5/32" Concrete Drill Bit



8 Screws 3/16" in size Galvanized for wood or Tapcon for concrete



120v Outdoor GFI Power Outlet with Cover or GFI Breaker

Bio Sanitizer Components:

- 01. Control Unit
- 02. Sanitizer Chamber
- 03. Optional Adapters
- 04. Power Supply



01. Control Unit



02. Sanitizer Chamber Tee with Communication Cable

03. Optional Adapters (for 1 1/2" PVC pipes)



04. Power Supply for 110v or 220v



With the pool pump **OFF** and the timer pins removed, determine where to install the Bio Sanitizer components. The Sanitizer Chamber Tee needs to be installed into the swimming pool's water return line, from the pool pump back to the swimming pool. If possible, install the Sanitizer Chamber Tee directly after the pool pump, before the pool's filter. If PVC configuration restrictions do not allow for this; installing the Sanitizer Chamber Tee after the pool filter is acceptable. The pool's plumbing PVC pipe measurements should either be 1 1/2" or 2" PVC pipe, both are very common sizes. The size of the PVC pipe should be printed on the exterior of the PVC pipe. If PVC pipe size is not printed on the PVC pipe or has faded away from the sun, use a tape measure to determine the PVC pipe size.

The Sanitizer Chamber Tee is designed to accept 2" PVC pipe, if the pool's plumbing is using 1 1/2" PVC pipe, use the included two (2) 2" to 1 1/2" optional pipe reducer adapters for this installation.

If the pool's PVC return pipe is 2", make two (2) complete cuts, spaced approx. 2 1/2" (or 64mm) apart.
If the pool's PVC return pipe is 1 1/2", make two (2) complete cuts, spaced approx. 3 1/4" (or 86mm) apart.

Step 01.



Measure the required distance for the two (2) cuts and mark the PVC pipe. Use a hack saw, cut the PVC pipe on the two (2) marks.

Step 02.



Test fit the Sanitizer Chamber Tee

Remove the test fitted PVC fittings



Temporarily test fit the PVC fittings into place BEFORE the PVC fittings are Primed and Glued into place. This will verify that everything will fit into place before the PVC fittings are made permanent, make any corrections if needed. Remove the test fitted PVC fittings.

Step 03.



Prime the PVC fittings

Glue PVC fittings



Use the purple PVC Primer 1st, swab the Primer on to the pool's PVC pipe, Sanitizer Chamber Tee and adapters (if necessary). Recoat the Primed PVC fittings with PVC Glue. **Adjust the Sanitizer Chamber Tee to a 45 degree angle.** Sanitizer Chamber Tee must **NOT** be straight down or straight up in the air, it **must** be at a downward angle.

Step 04.



Allow 2-4 hours for PVC to dry

Allow the PVC components to dry for a minimum of 2 to 4 hours, before turning your pool pump back on.

While the PVC components are drying, install the remaining two (2) components (Control Unit and Power Supply).

Step 05.



Mount the Power Supply and the Control Unit, preferably out of the direct exposure to the sun or rain. Use 3/16" Tapcon screws for concrete or Galvanized screws for wood.

Important to note:

> The power supply uses auto detection sensing for both 110 and 220 volts, you can use the power supply on either types of power sources.

> If no 110 volt equipment courtesy outlet is available and you choose to hardwire into a standard Intermatic Pool Timer, wire into the consistent always ON "LINE" side of the Pool Timer. First, turn OFF the main breaker power to the Pool Timer. Wire the "green" wire to the "A" screw post or grounding bar, wire the "black" wire to the 1st screw posts, then wire the remaining "white" wire to the and 3rd screw post, turn the main breaker back ON to the Pool Timer. This should be performed by a licensed Electrician. For other Pool Timer manufactures, consult with a qualified professional before proceeding.

> Make sure that the Control Unit and Communication Cable are mounted and kept away from any power cable sources (IE, Air conditioners, pool pump power feeds, etc).