



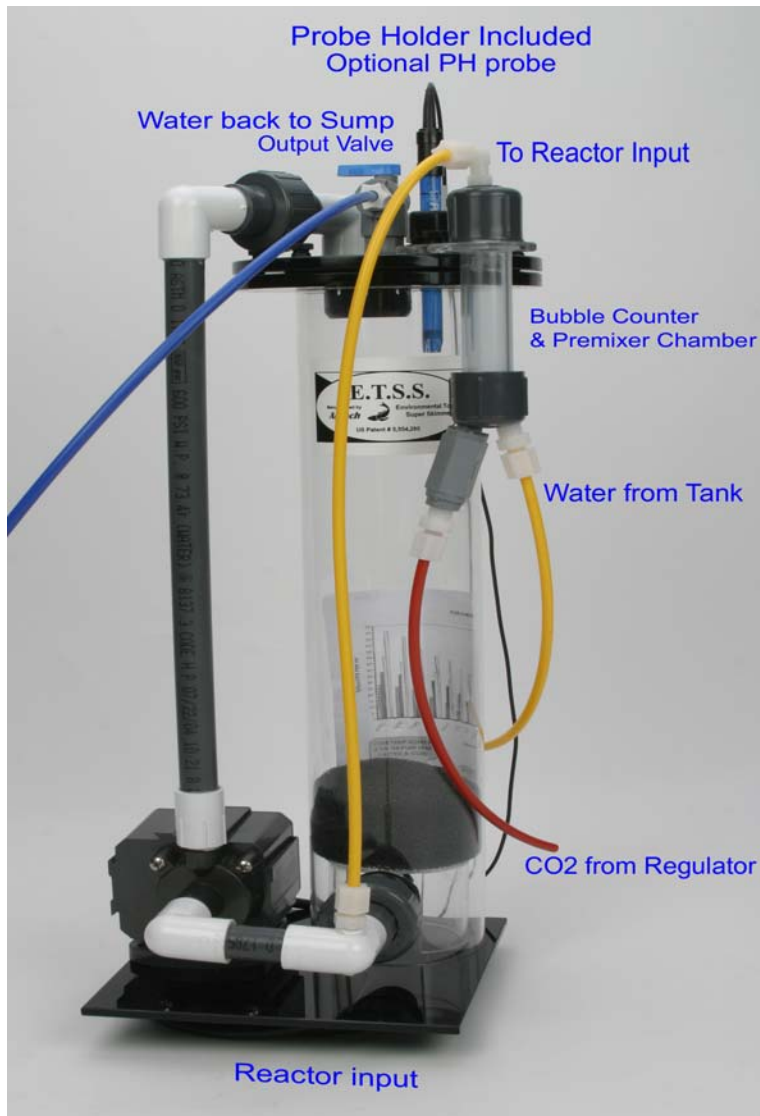
Aquatic Environmental Technology Inc

**Calcium Reactor
Models Media Melter 300 & 600**

INSTRUCTIONS

Congradulations on the purchase of our State of the Art Calcium Reactor manufactured by AETech Inc. Please READ and follow these instructions to obtain your best performance from your new reactor.





Simple Installation instructions;

Remove the reactor lid by unscrewing all screws from the top and disconnecting the top union by unscrewing it also. Remove lid and place washed media up to the middle of ETSS label. Clean top of reactor and insert O-ring and then fasten lid (evenly) and screw union back on. Be sure union has an O ring to seal

We use these random colors:

Yellow for water & reactor input.

Red for CO2 input from regulator.

Blue for water return to sump.

Trim all lines to fit your needs.

Note that there are only four connections required to the calcium reactor.

1) Water input-to base of bubble counter

2) Water output- from lid mounted valve to sump tank.

3) CO2 input-to Check valve on the bubble counter

4) Jaco fitting on top of bubble counter to Jaco fitting on the pump intake.

Note: Be sure to have the outlet valve open and the reactor drain line installed in the sump before starting to fill the reactor.

Water Input

Either of the two methods can be used.

1. Gravity input done by siphoning water from the display tank. Attach the 1/4" hose inside the tank, start a siphon and attach the other end to the water inlet Jaco fitting on the bubble counter.

Our exclusive bubble counter design is self filling and does not require attention or maintenance.

2. Pressure feed. When the reactor is not installed close to the tank a simple TEE off of the return pump line with a Jaco fitting attached or a dedicated small powerhead can be used to feed water through the 1/4" polypropylene line to the calcium reactor's water inlet.

Water Outlet

From the reactor's outlet valve a line goes back to your sump. It is best to attach it to sump so that the return drip can be monitored. Mounted on the sump's water inlet side allows for good mixing.



Installation Continued

Equipment Required from you.

- A) You will need a CO₂ bottle, available in various sizes from a local gas dealer, and regulator with output valve to supply CO₂ to your Calcium Reactor.
- B) A PH probe used with either a PH monitor or a PH Controller (best).

CO₂ input to the Calcium Reactor

Connect the red 1/4" polypropylene line from your regulators output valve to the check valve on the bubble indicator.

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