

# **Aqua-Link ADP VT-2575**

## **Set Up instructions for Hang-on option**

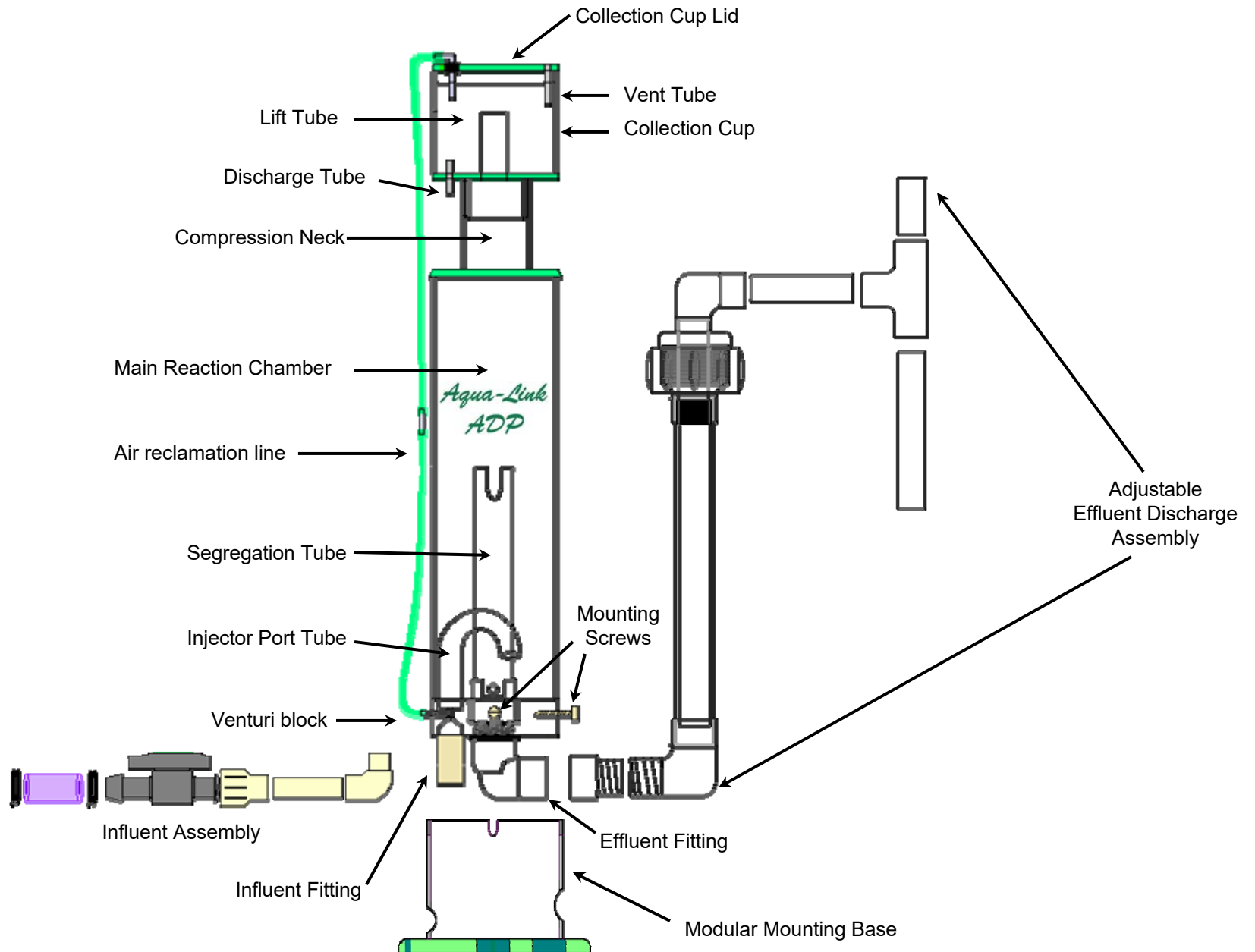
**Please review & familiarize ALL  
instructions before beginning**

**Aqua-Link ADP protein skimmer product cost DO NOT include a water pump, and for good reason. This allows us to pass on a functionally superior protein skimmer at a much lower cost. Our skimmers are designed modular to accommodate many different set up configurations. They are amphibious models. The built-in “Set it & Forget It” feature allows complete fluid level control meaning they operate at peak performance without “Overflowing” like all other brands do, therefore; Aqua-Link ADP models are capable of operating independently without relying on a sump water level to tune or maintain its operational performance. Therefore, although our models are capable of being operated inside of a sump it is not necessary. To save valuable water reserves, Aqua-Link skimmers can be set up & operated outside of a sump and in some cases, with proper optional kits, may hang-on to the framework of an aquarium. Because aqua-link uses standard plumbing fittings that can be obtained at any local hardware store our protein skimmer have the option to be connected via either to a dedicated water pump or tied into a system circulatory pump source provided enough reserve pressure is available.**

**Set-up is extremely simple; untreated water is pumped in under pressure, (influent) and (effluent) water is directed to gravitationally drain out freely (unrestricted). Tuning adjustments are done using a US Patented expandable exhaust assembly to set the water level in the main reaction chamber. Our design does not restrict effluent flow so water *will not* back up and overflow like other brands that tune with a restrictive valve device on their effluent drain. Therefore there is no need to set the skimmer in a “Catch box” (Sump) to collect overflow.**



## VT-2570 (Free Standing) Parts



##

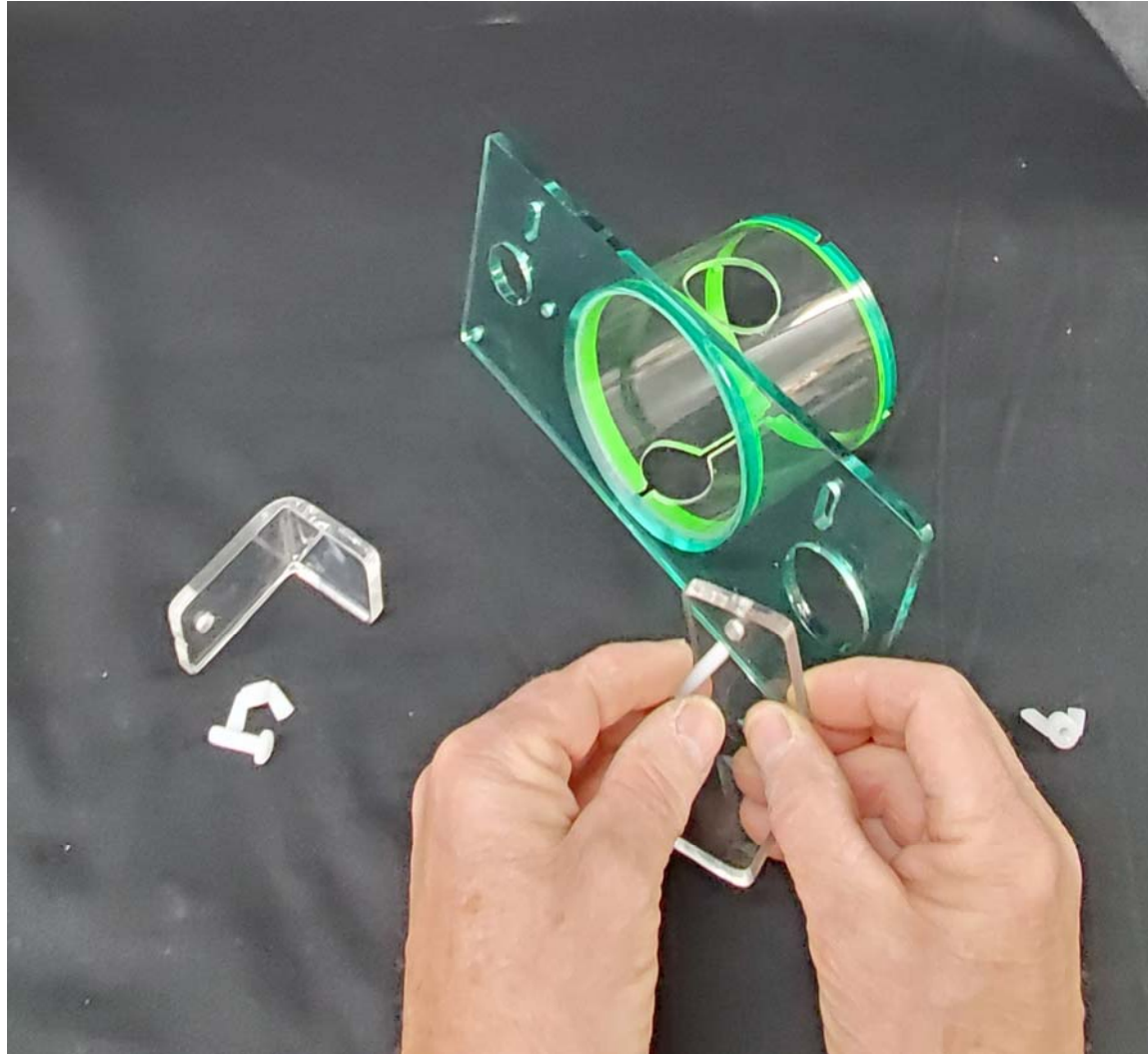


**Locate; HO-2575  
Conversion Parts  
Packet**

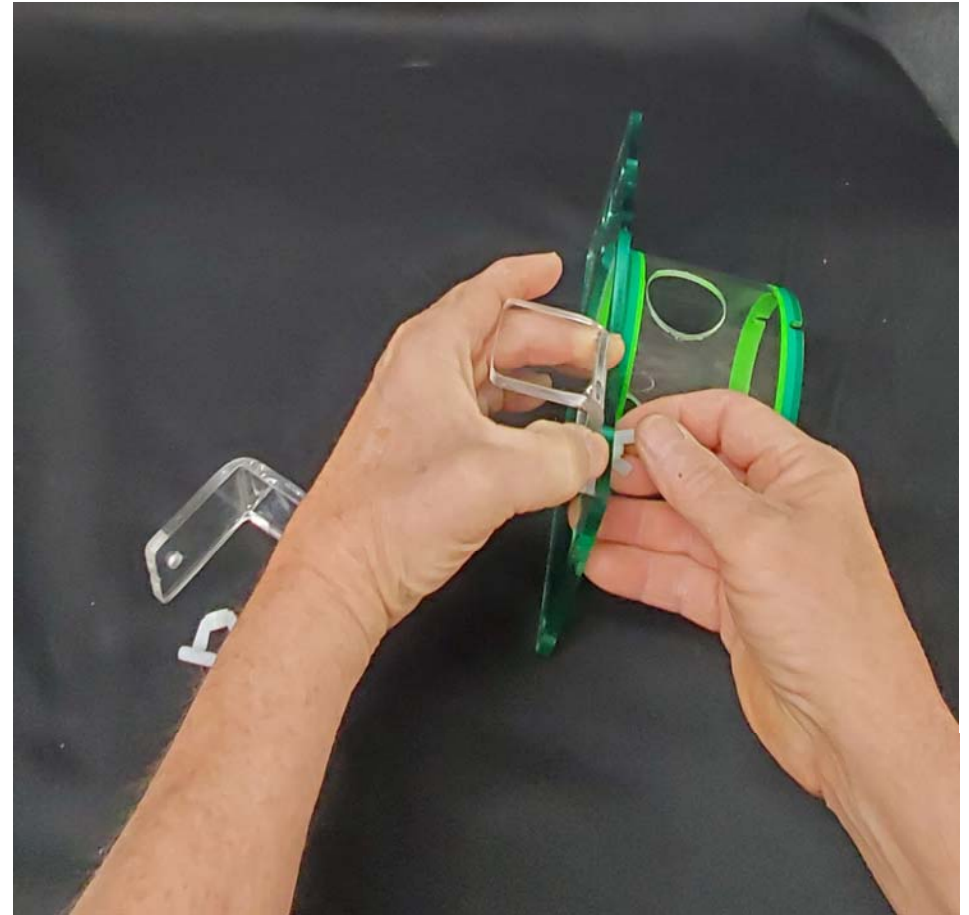




**Insert  $\frac{3}{4}$ " long nylon screw through bracket hole.**

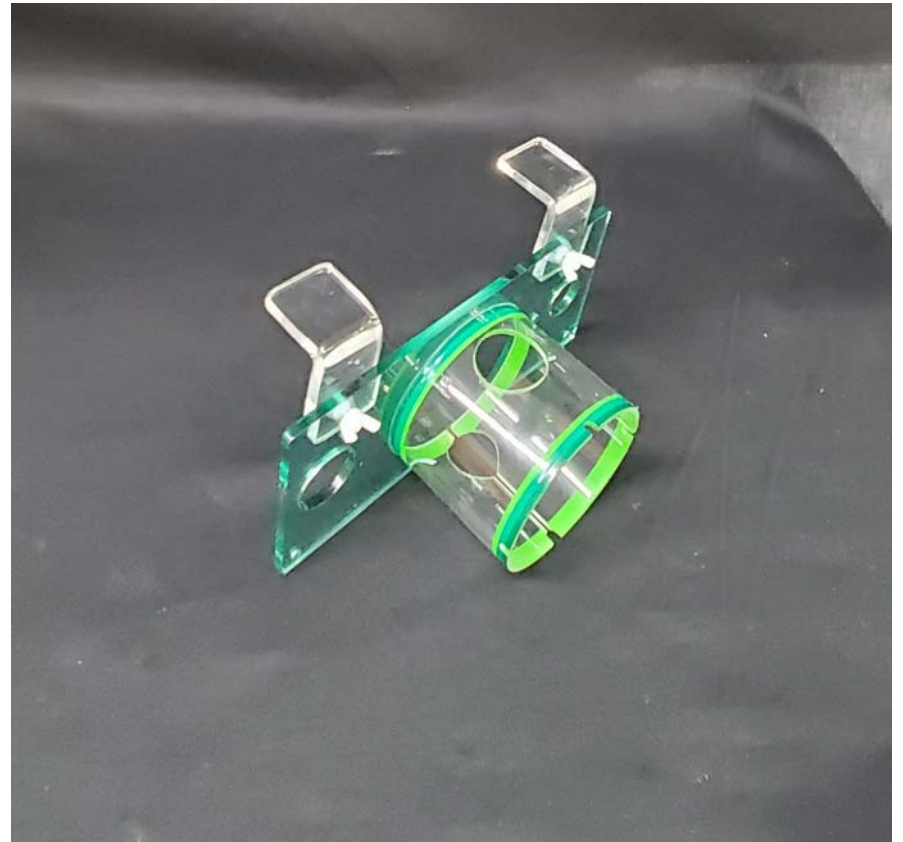


**Attach the 90° hang-on bracket to the underside of the modular base, with the  $\frac{3}{4}$ " long nylon screw through the groove & secure with wing nut.**





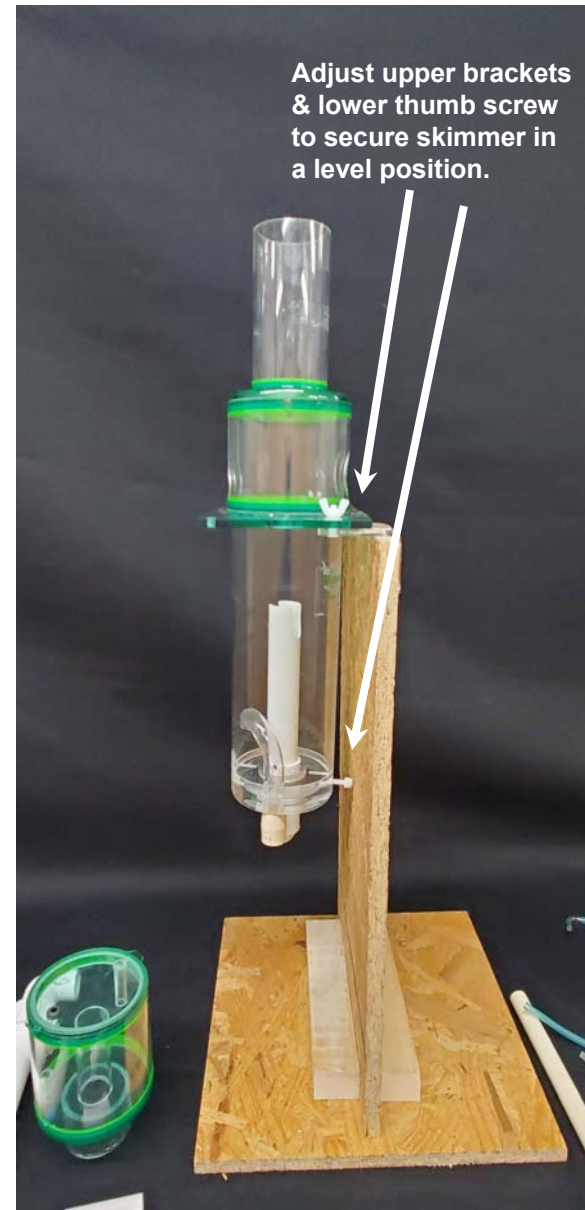
**Repeat with remaining bracket.**



Carefully insert the skimmer body into the modular base from the top side.  
**Caution!! To prevent permanent skimmer damage, *DO NOT FORCE OR BIND.***  
Be sure to orient the main body into the base as shown in the photos below.



**Upon raising base fully to top, screw nylon thumb screw into the threaded hole in the bottom of skimmer body facing the same direction of HO Brackets. Then hang unit on something that will allow access to complete assembly process.**



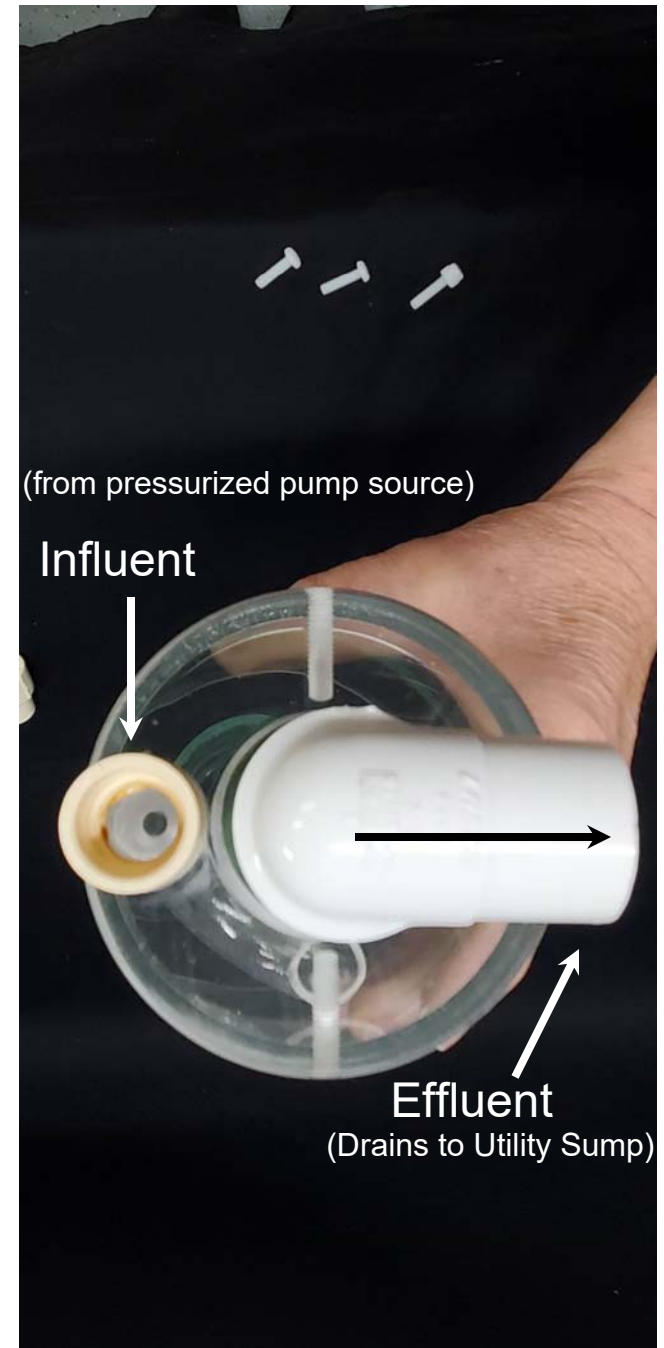
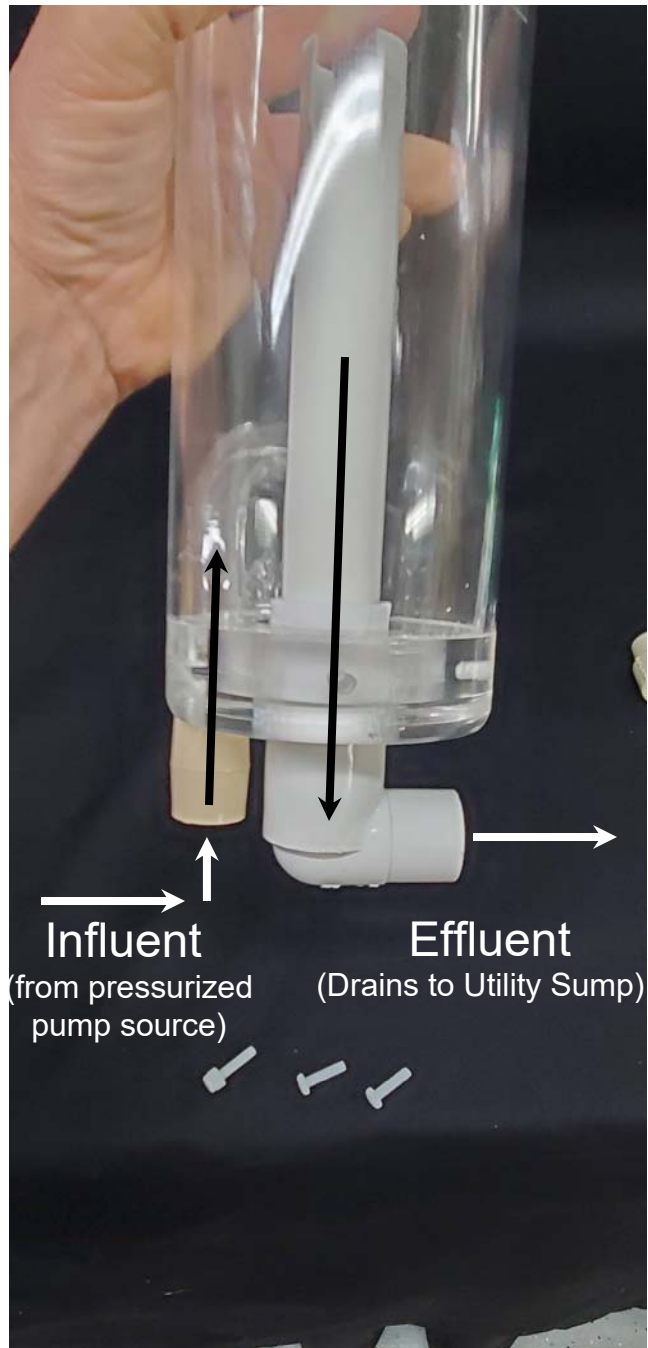
## Two important assembly set-up notes;

All placement applications may differ but the basic plumbing connections always remain the same. Every Aqua-Link ADP protein skimmer will require two basic plumbing connections, Water “in” (influent) & Water “out” (effluent).

**When making your plumbing connections, keep in mind the following 2 principles;**

1. Effluent water flow **is not** pressurized, therefore tight fitting connections on effluent plumbing will seal without a need for bonding agents.
2. Influent water flow will be pressurized. So a slight possibility exist for loose fitting joints to leak if not sealed properly. All the years I've installed our protein skimmers, I have yet to seal all fittings using a bonding agent and I will continue to do it that way, however; liability for making such a choice is at the sole discretion of the end user. It should be noted that if you do bond (glue) said plumbing fittings, **they will** become permanent making it extremely difficult, if not impossible to either adjust or disassemble. So make sure that you properly align fittings before bonding







**Locate “Effluent” assembly plumbing.**



**Loosen compression nut & separate top from bottom.**



**Remove rubber compression seal & nut and set aside.**

***Note; parts contain necessary lubricant.***



**Insert splash arrester into upper breather tube.  
Push in only until flush with top of pipe.**





**Push together remaining drain parts & connect to upper assembly pipe.  
Again a snug fit is all that is required to seal. (*glue not necessary*)**

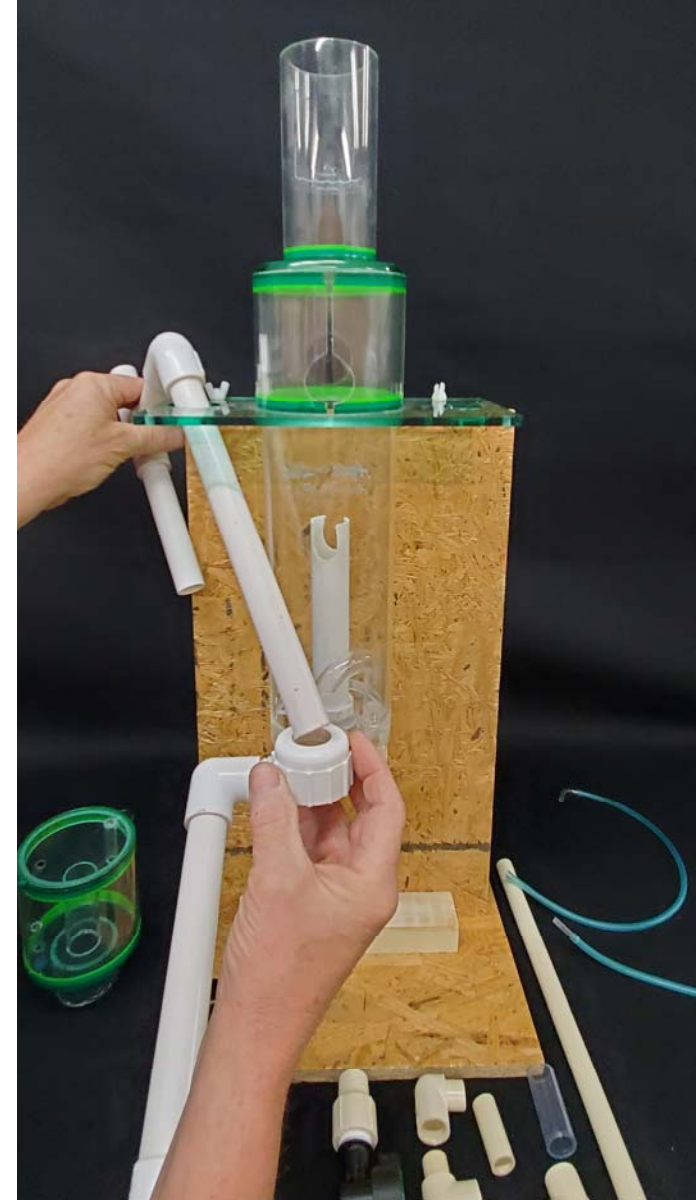




**Connect by pressing lower assembly plumbing to skimmers effluent fitting.  
A snug fit is all that is required to seal. (*glue not necessary*)**



**Insert the long portion of the upper assembly pipe down through the 1-5/16" hole of the modular base and slide the compression nut over the pipe, under the base, with threads facing downward.**



**Hold the nut in place while inserting the pipe through the compression seal.**

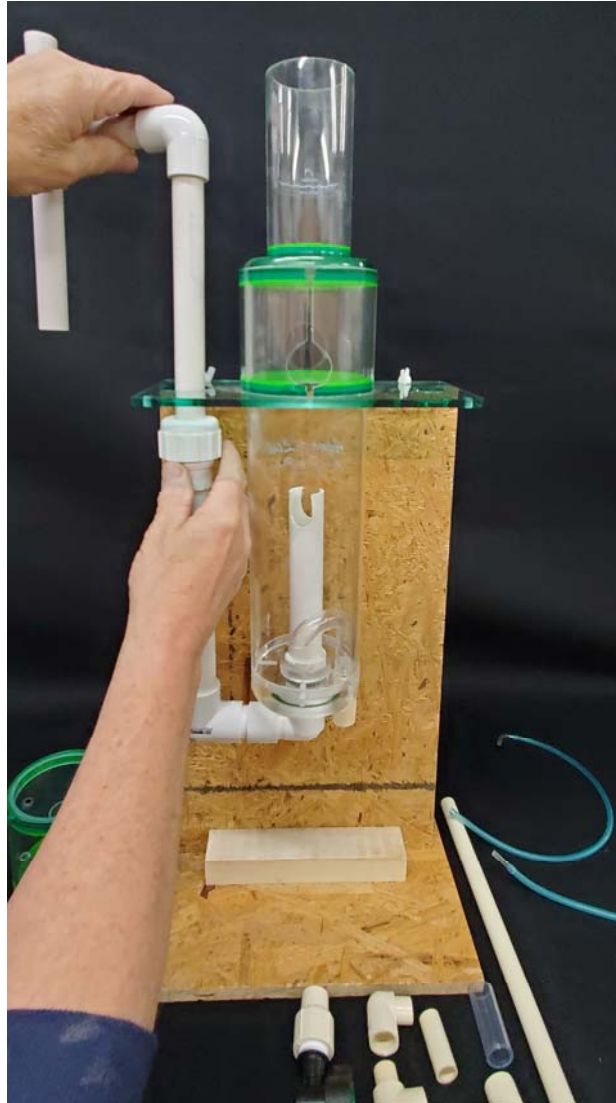




**Rotate the lower assembly pipe upward guiding the upper pipe compression seal to seat within the lower pipe fitting.**

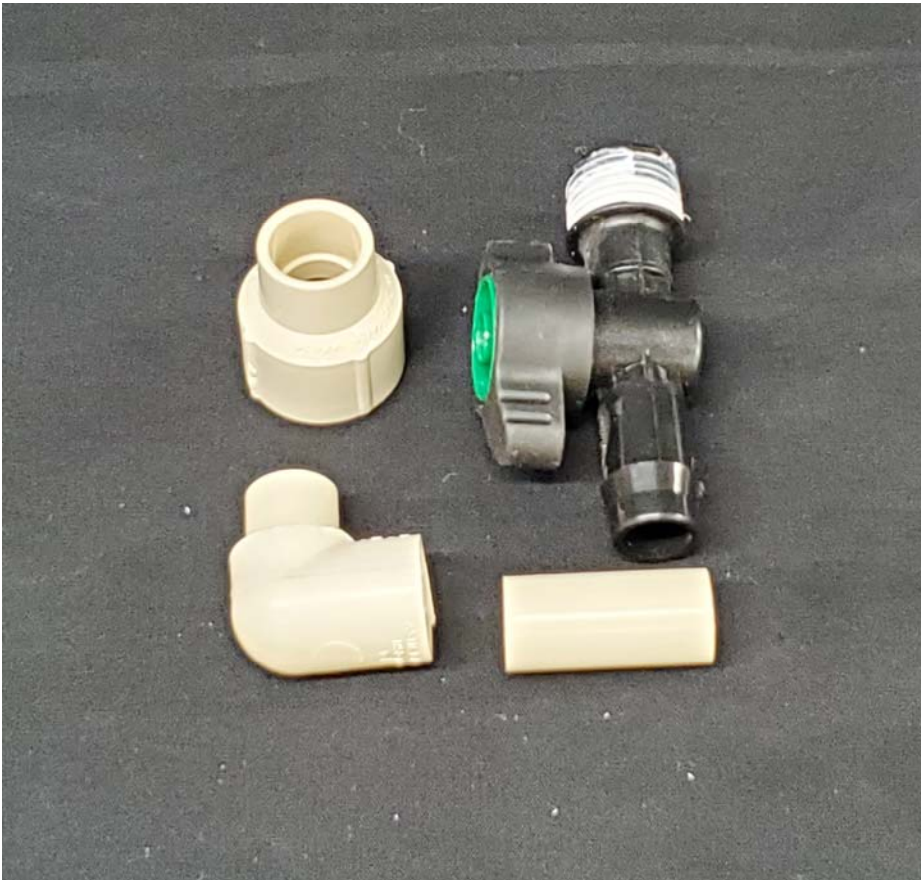


Begin threading compression nut but, **DO NOT tighten**.  
While holding the nut, depress to slide the upper pipe fully down into  
the lower pipe. Again **DO NOT tighten** yet.



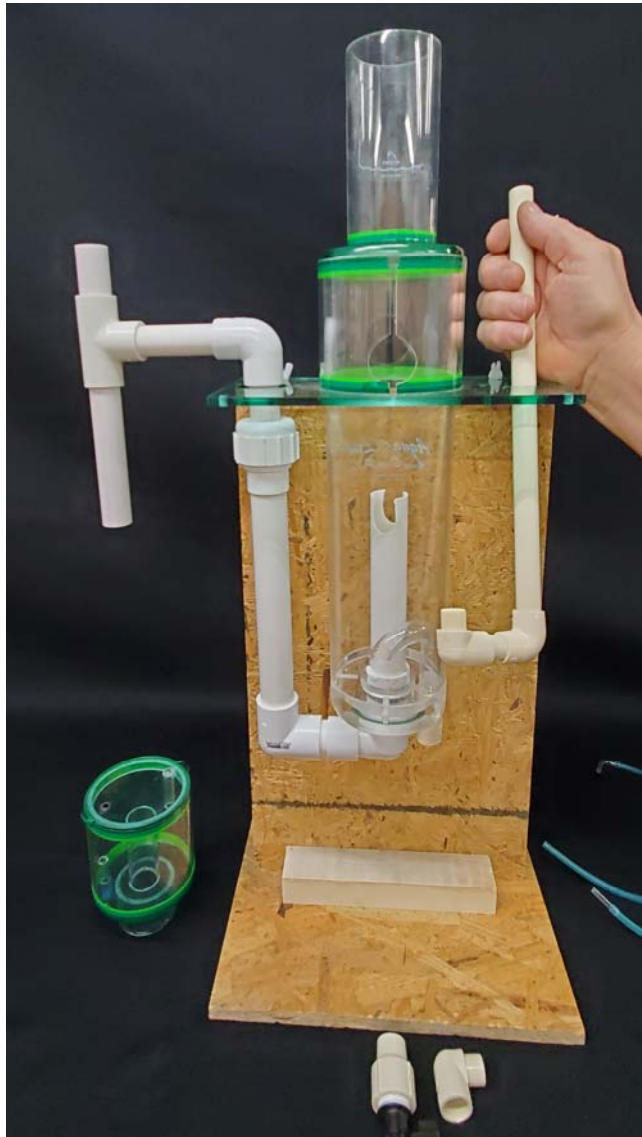


**Acquire “Influent” plumbing parts that came with the core protein skimmer and the remaining parts from the HO kit.**



Depress “Influent” plumbing parts “Firmly” together, **BEFORE** attaching to skimmer influent fitting.

Insert the long pipe up through the 1 inch hole of the modular base



Align & guide the 90° street elbow up into the influent fitting in the bottom of the skimmer. (Fig. 1)

While **holding the top of the skimmer body**, firmly press the influent assembly vertically up into the influent fitting until seated. (Fig. 2)

**WARNING:** to prevent damage, DO NOT twist or press fittings horizontally!

(Fig. 1)

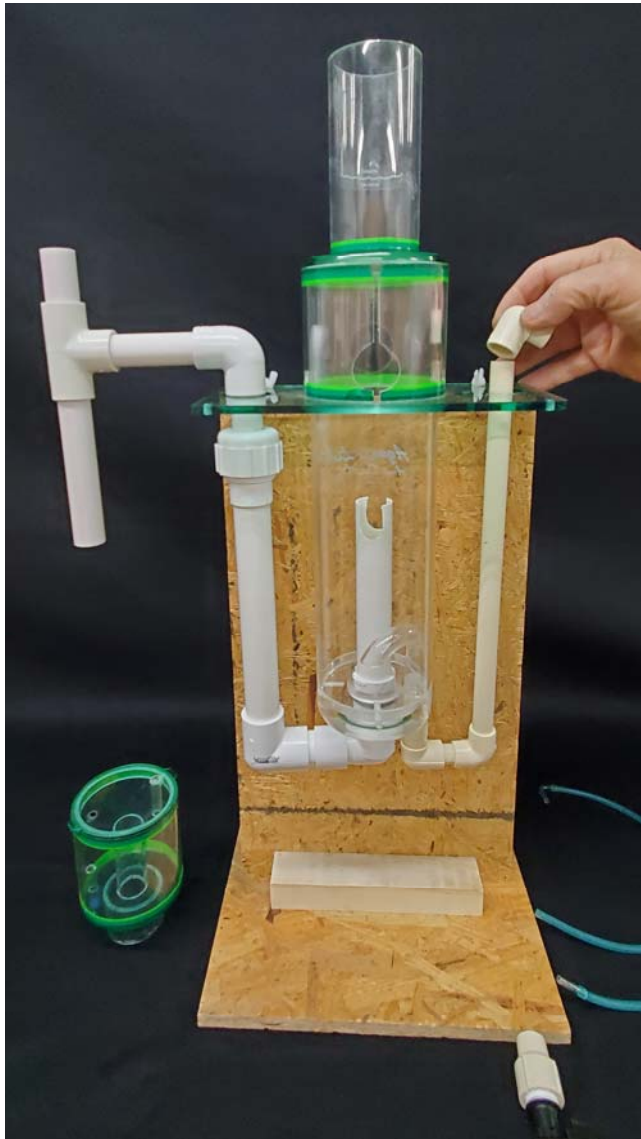


(Fig. 2)

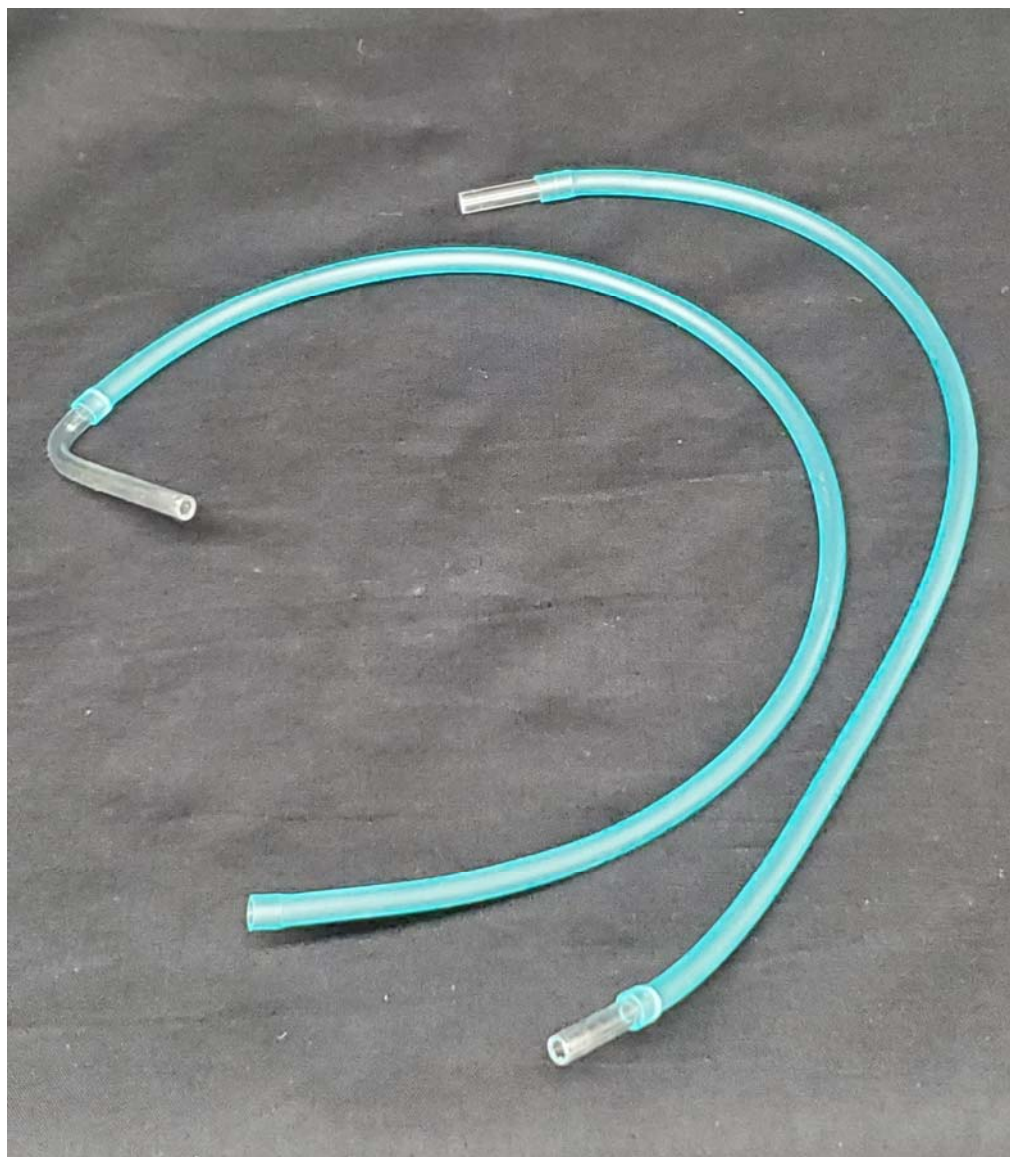




**Finish connecting influent parts by depressing top street elbow, female adapter together & install control valve.**

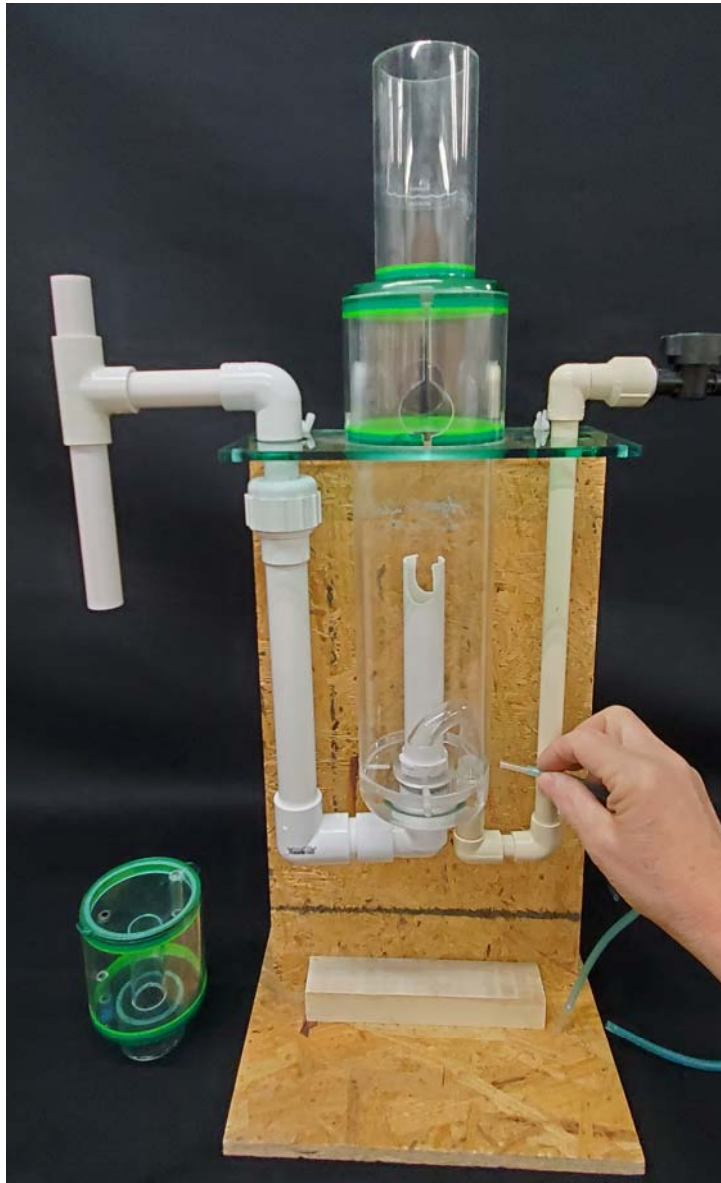


**Acquire Airline parts.**

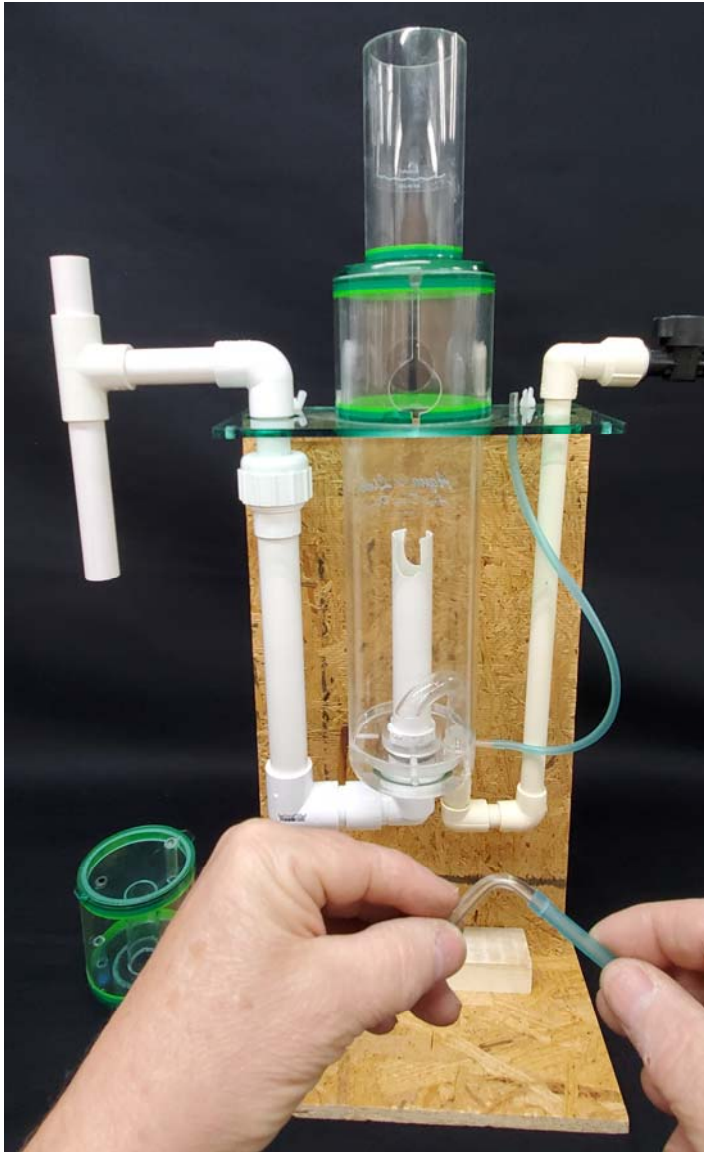




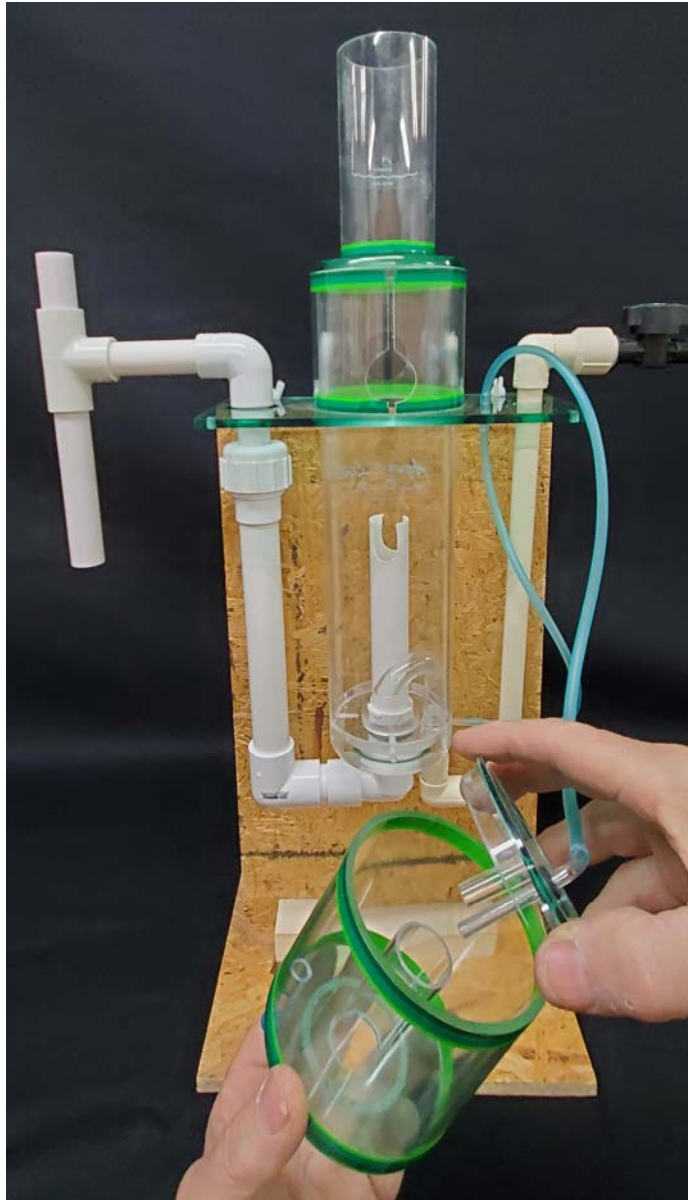
**Insert & *lightly depress* rigid portion of airline into the venturi port @ the bottom of the skimmer. Then insert the other straight rigid tube end through the 3/16" hole of the modular base.**



**Connect the remaining portion of the airline to the rigid tube of the modular base & the other bent rigid airline end through the rubber grommet in the skimper collection cup lid up to the 90° bend.**



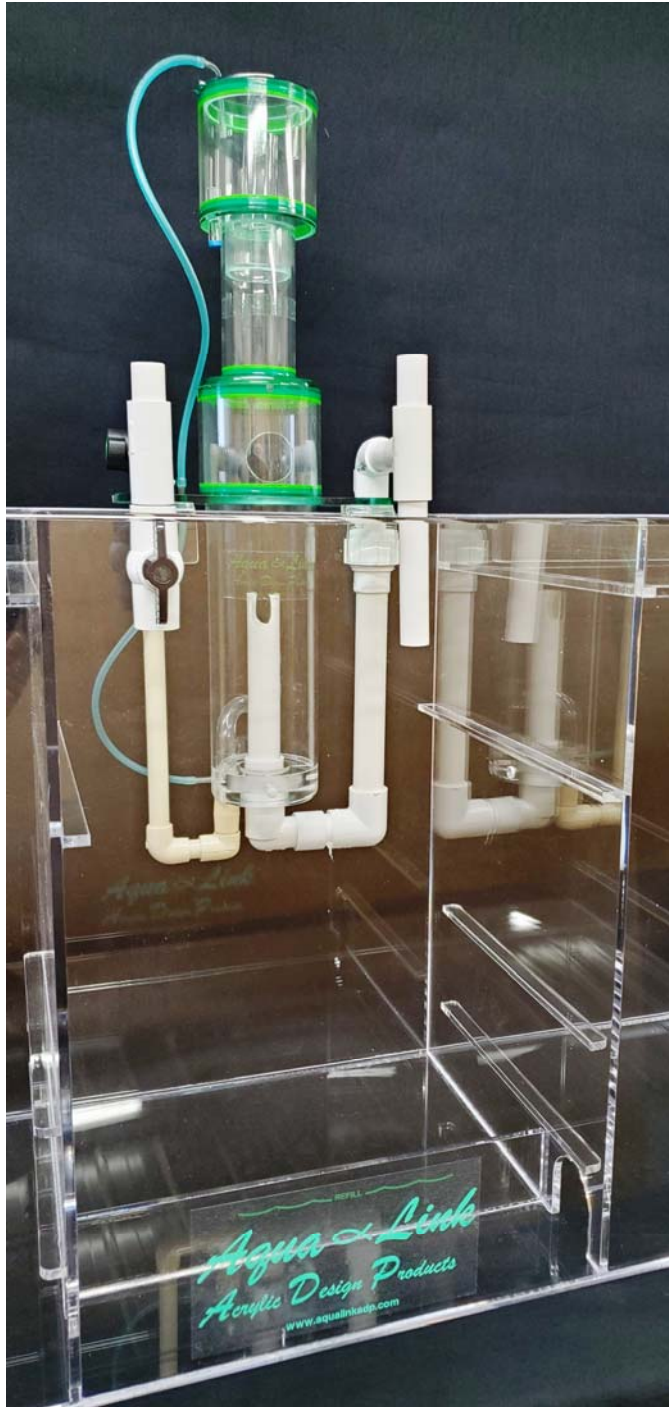
**Insert the lid into the skimmer cup.**





**Mount the skimmer cup by inserting the cup sleeve into the upper compression neck.**





**Mount the skimmer by hanging in the desired operating location. Rotate the “Effluent” plumbing toward to drain into a sump or aquarium, then secure in place by moderately tightening the compression nut.**

**Then rotate the “Influent” plumbing toward making a connection to a pressurized water pump source. Double check all fitting connections are tightly sealed, then connect to the pump source.**



## Hang-On Aquarium Frame (Independent of Sump)



**OR;....**

Hang outside of wet dry  
(saves reservoir capacity)



OR;....

Hang inside of wet dry (for  
limited space under stand)



OR;....

**Hang outside of Refugium Sump**  
(saves reservoir capacity)



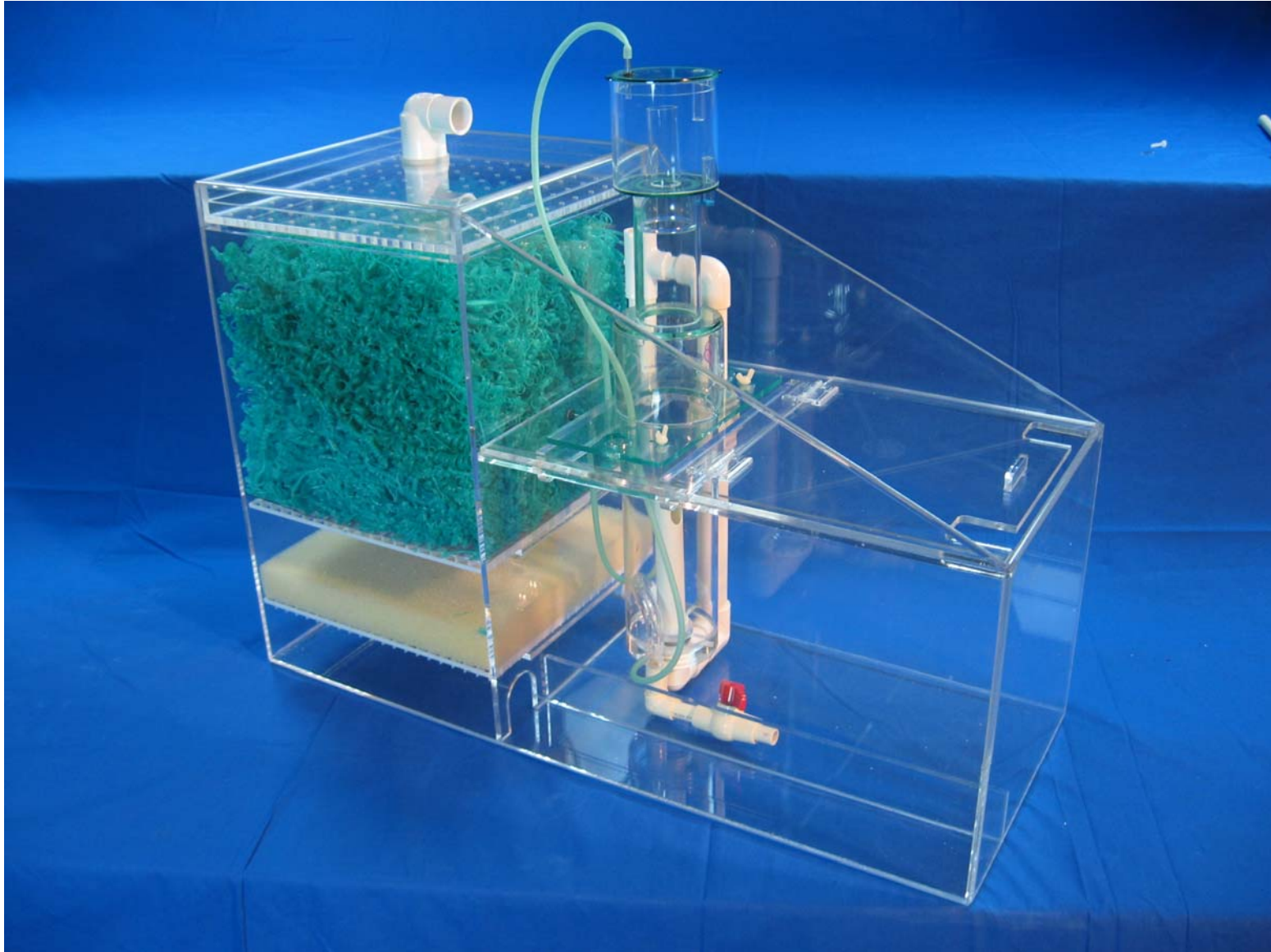
**Free Standing inside of Refugium Sump**  
(Offers lowest profile for limited space under stand)





**OR;....**

**Wet Dry filter Utility Sump mount option**



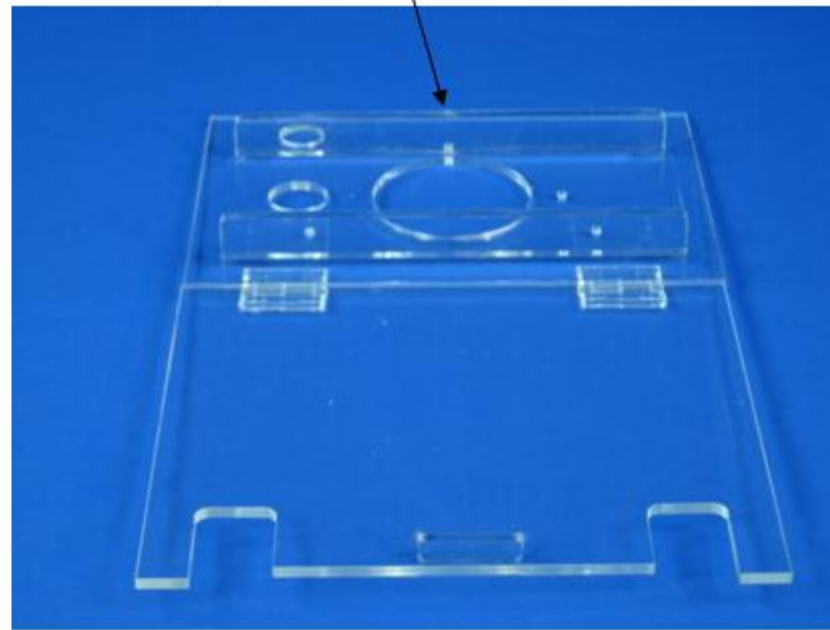
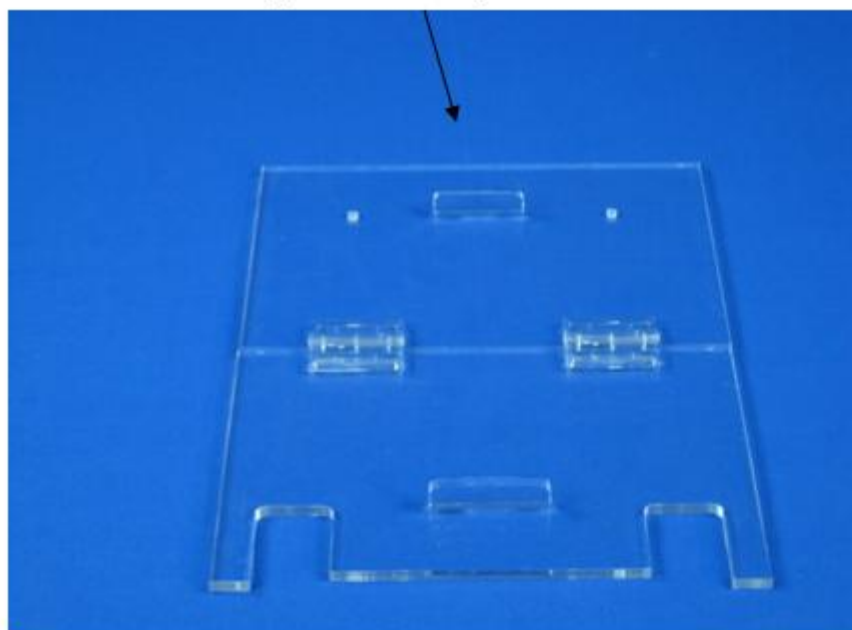




Regular sump lid



Sump conversion mount lid



## Refugium Utility Sump mount option



Aqua-Link ADP VT-2570 protein skimmer In action



## Water pump intake preparation



Pump intake

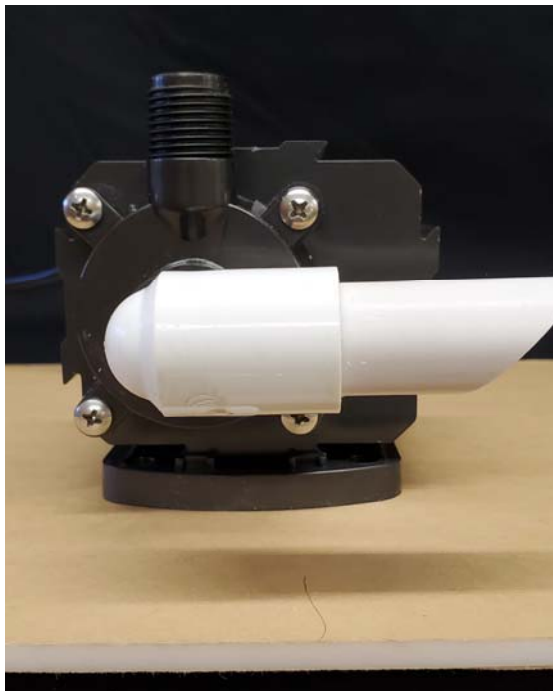


# Water Pump return line preperation



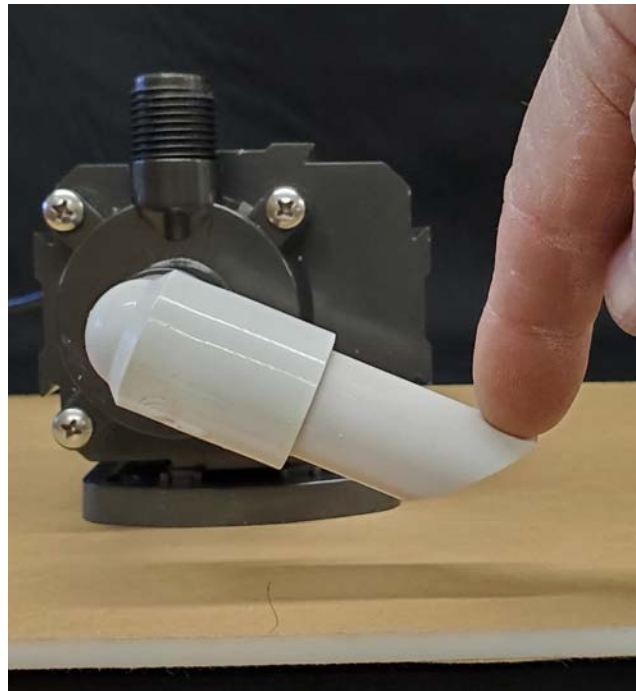
## Set for Maximum water reservoir usage

During pump start up.



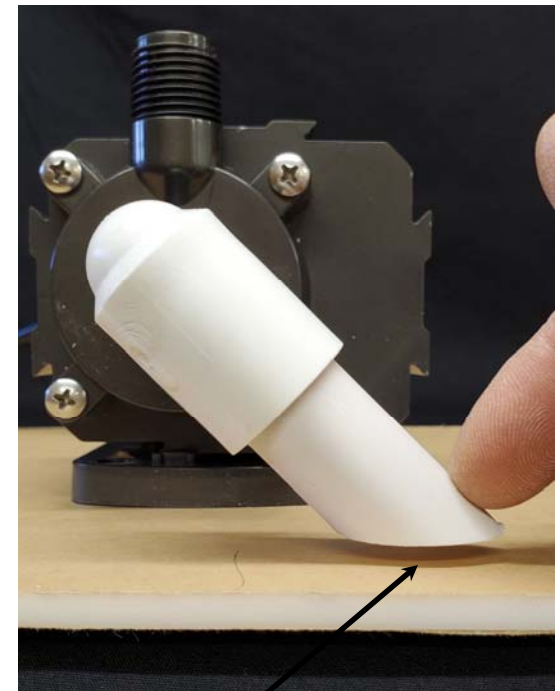
Priming Position

When flowing.



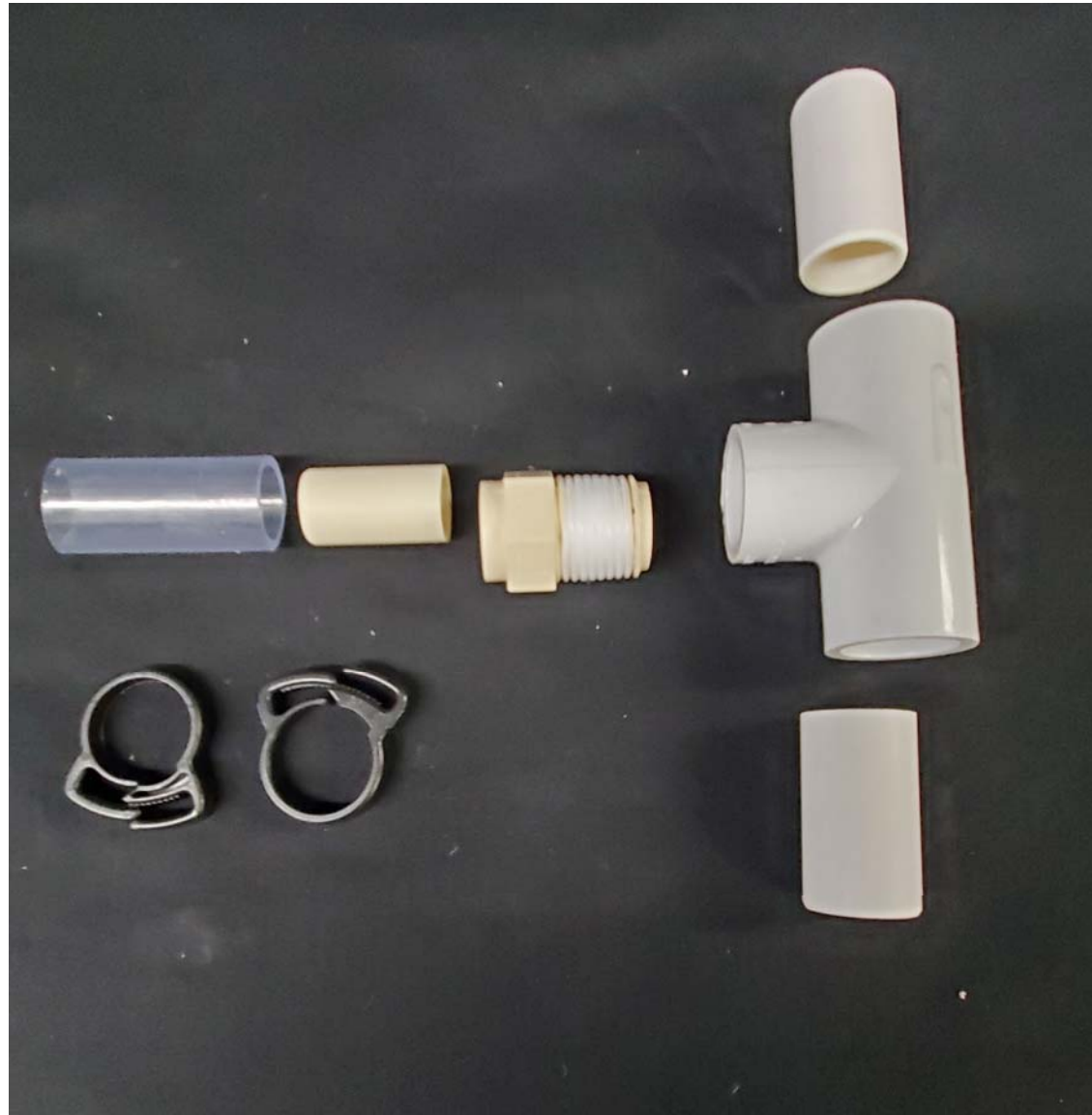
Rotate downward to;

Fully Operational.

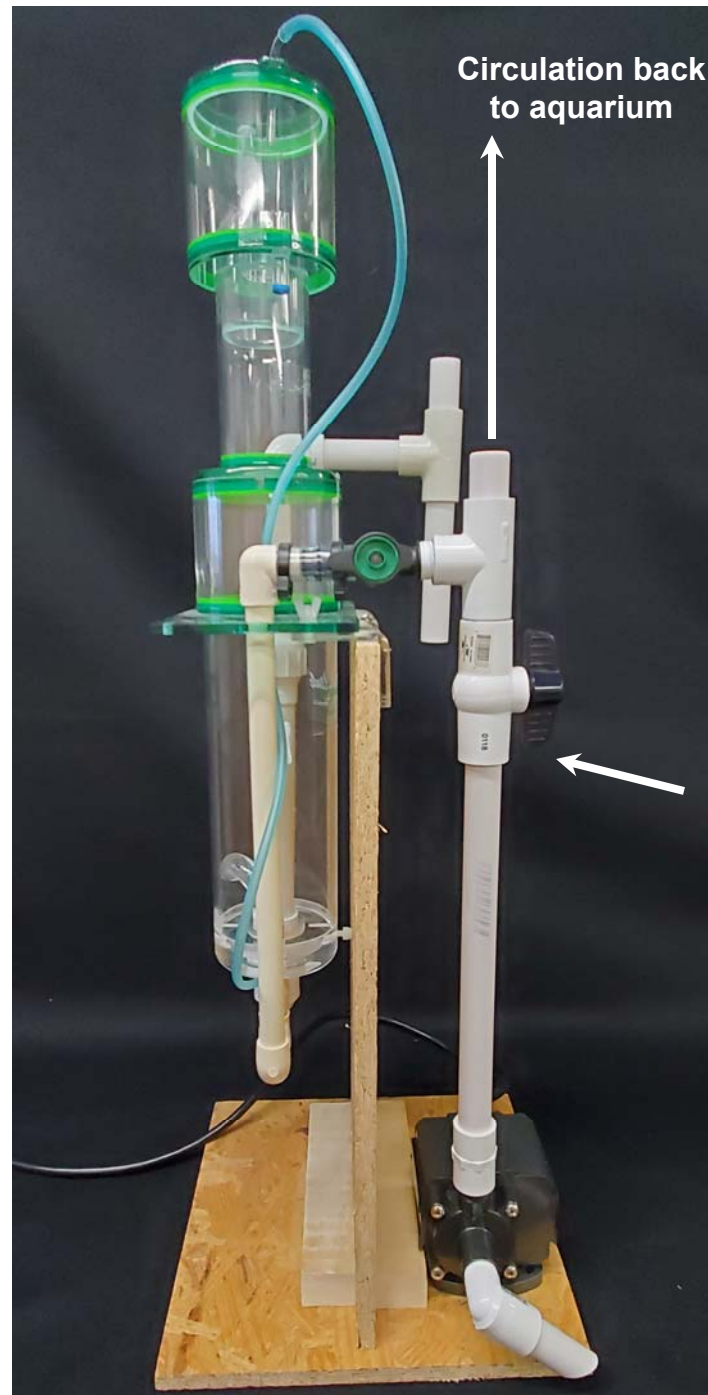


Leave  $\frac{1}{4}$ " to  $\frac{1}{2}$ " gap

## Optional Parts to “tee off” of a return line circulation water pump.



## Water return manifold for protein skimmer



Insert flow valve  
*PRIOR* to skimmer  
manifold



Plumbing diagram for Dual Wet Dry Filter set-up option

