

# Aquatell ProTect Plus™ Upflow Carbon System

## - Installation and Startup Guide -

Your new purchase includes the following components:



Loaded Media Tank



In / Out Head



Upper Media Screen



Bypass Valve



Plumbing Connectors



Silicone Lubricant

## Assembly

Uncap the Media Tank and brush any media from the threads of the tank

2. Under the cap you will see the Riser Tube. It's a 1" diameter tube. Use the Silicone Lubricant to lubricate the upper 1" of the outer surface
3. Attach the Upper Media Screen to the bottom the In / Out Head by pressing it into place and then turning it slightly.
4. Use the Silicone Lubricant to lubricate the o-ring on the underside of the In / Out Head
5. Lower the Upper Media Screen onto the Media Tank while guiding the riser tube into the opening on the underside of the Upper Media Screen
6. Press down on the In / Out Head until the threads can engage with the tank threads.
7. Thread the In / Out Head onto the tank until you encounter friction, then give it an extra 1/10<sup>th</sup> to 1/8<sup>th</sup> turn. Because it is o-ring sealed it does not have to be super tight. Overtightening can damage the parts.
8. Attach the Bypass Valve and Plumbing Connectors to the In/Out Head as shown in the photo below. Use the Silicone Lubricant to lubricate the o-rings before assembly:



## Plumbing & Startup

1. Take all the necessary steps to shut off your household water prior to doing any plumbing work.
2. Plumb the water that will enter the filter to the “Upflow Inlet”. Treated water will exit the “Downflow Inlet”:

**Outgoing water  
plumbs to  
"Downflow Inlet"**



**Incoming water  
plumbs to "Upflow  
Inlet"**

3. Turn the red handles of the bypass valve so they are pointing towards each other. This puts the system in “bypass mode”.

4. Connect your household plumbing to the plumbing connectors provided. The 3/4" Push-to-Connect fittings will accept nominal 3/4" copper, Pex, and CPVC. Make sure cut ends are square and de-burred. Push the plumbing material fully into the connector and turn the collar to lock it into place.
5. For the rest of the instructions, it's important that you don't have any household water running.
6. Once the plumbing is completed, turn your household water back on and open the red handle that corresponds to the "Upflow Inlet". You will hear water entering the tank. You can tell when the tank is full of water because it will feel cold to the touch and you will no longer hear water running.
7. Once the tank is full, close the red handle that was opened, so that the system is again in bypass.
8. Allow the media to soak for 24 hours
9. Once 24 hours has elapsed, and with no household water running, open both handles of the bypass valve and immediately run a downstream cold water faucet.
10. You will see black water from the faucet as the carbon fines are rinsed to drain. This is completely normal and harmless. Continue to run the cold water until the water runs clear. You can open an extra cold water faucet to accelerate the process. But do not run warm or hot water at this time or carbon fines will enter the hot water heater. It's not harmful but it may result in grey-coloured water until the fines are flushed from the hot water tank.
11. Once the water from the cold water faucet is running clear the system is ready to be used.
12. If this system is being installed with a water softener it should be installed upstream of the softener.