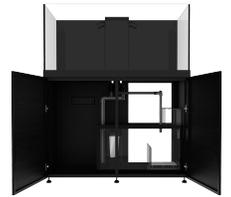




Pro Clear Aquatic Systems™



PROSTAR AQUARIUM ASSEMBLY / INSTALLATION GUIDELINES



The following is a set of guidelines for successfully assembling your ProStar aquarium system:

What Comes With a ProStar System:

- Glass Tank with Pre-Installed Overflow System
- Marine-Grade Aluminum Stand
- Glass Filter
- Auto Top Off with Float Valve Shutoff
- Filter Socks
- Pre-Assembled Plumbing Lines
- Bulkhead Adapters
- Gaskets
- O-Rings
- Ball Valves
- Sump Covers
- Pre-Cut Egg Crate
- Spiral Return Line Silencer
- Silencer Cap



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What You Will Need:

Some able-bodied friends or family to help move the tank and stand

Level

Return Pump with proper flow rate and head pressure for your system

ProStar Assembly:

1. Check for Major Part Condition (Tank and Stand)

- Once you have your ProStar system inside and safe, first check for the condition of Major Parts (both the tank and the stand)
- First unbox the stand by cutting the bands that hold together the box
 - Once unboxed, look for any major dents, cracks, or holes in the stand construction
 - Check both the outside and the inside of the stand frame
 - If you see anything that could impair the use or appeal of the stand, immediately take a few photos and send them over to Pro Clear
- Next unbox the tank by cutting the bands that hold together the box
 - Once unboxed, look for any cracks, chips, or silicon breaks / deformities
 - Check each glass panel for the above, especially on the seams and corners
 - If you see anything that could impair the use of the tank, immediately take a few photos and send them over to Pro Clear



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2. Check for Minor Part Condition (Filter, Plumbing and Accessories)

- Next check for the condition of the smaller parts and pieces of the system
- Open the stand doors, and check the following parts:
 - Glass filter
 - Check that all the glass panes are free from chips or cracks, and are solidly seated and sealed properly (by gently pushing and pulling with your hand for any individual pane movement)
 - Pre-assembled plumbing
 - Any fittings not seating or sealing properly
 - Sump Covers
 - Any chips, cracks, or deformities
 - Auto top off system with float valve
 - Check the hosing to the float valve for any punctures or kinks
 - Check the float valve itself for any punctures
 - Metal door hinges
 - If the stand doors don't level with each other properly, this can easily be fixed by screwing in or out the hinge screws inside the stand
 - Wait until the system has been fully leveled and plumbed before adjusting door hinges
 - Any other damages to the doors themselves can be reported below
 - Power bar (mounted on the back of the stand compartment)
 - Plug in power bar and turn on to make sure it is functioning properly
 - Can even take something like a lamp and plug into each socket to check the operation of each outlet individually
 - This is all MUCH easier to do and fix when the tank is still unplumbed and there aren't any plumbing lines in the way
- If you see any significant damages to any equipment or are missing any parts, immediately reach out to Pro Clear and let them know what you're missing



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3. Leveling the Stand

Once everything checks out, it's time to level the stand

The stand comes with 4 to 8 Leveling Feet depending on your ProStar size

- ProStar 60 = 4 Feet
- ProStar 90, 150, and 200 = 6 Feet
- ProStar 230 = 8 Feet
- Screw in all leveling feet into the bottom of the stand before moving the stand
 - DO NOT put the stand onto its side to install the leveling feet
 - Remember, there's a glass filter, auto top off, and open plumbing lines inside
 - First remove the open plumbing lines and auto top off
 - The filter is locked in place, so slight tilting of the stand won't affect it
 - The best way to install the leveling feet will be to either have a friend hold up one side, or place some type of wedge (like two pieces of wood with towels over the top to prevent scratching) under both corners of that side of the stand
 - Make sure that only the side panel of the stand is resting on the wedges
 - NEVER rest the weight of the stand on the front doors, this may void warranty
 - While each side of the stand is elevated, screw in the corresponding leveling feet for that side, then repeat with the opposite side and the middle
 - Leveling doesn't have to be perfect right now, just be sure all feet are touching the floor
- Move the stand into its end position resting on leveling feet
- Place a Level tool on top of the stand first running horizontally (length-wise)
- Adjust each leveling foot with the Wrench until the bubble in the Level is centered (as close to perfect as possible)
 - This means that the stand is centered length-wise
- Next, flip the Level 90 degrees so that each side of the Level is facing the long sides of the stand (front to back)
- Adjust each leveling foot with the Wrench until the bubble in the Level is centered (as close to perfect as possible)
 - This means that the stand is centered depth-wise
- Flip the Level 90 degrees to check the length leveling one final time
 - It's better to double check than to rush
 - The System IS NOT ABLE TO BE LEVELED WITH THE TANK ON THE STAND
 - Any further adjustments will require the tank to be taken off and put back on again, so take the time to do things right the first time!



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4. Placing the Tank on the Stand

- If you worked to schedule Movers to come help out with successful delivery, then placing the tank on the stand will already be handled by them
- If placing on the stand yourself, be sure to work with multiple able-bodied people (commonly family and friends) to help make the load easier for each person and evenly distributed during lifting
- The strongest point on the tank to grab is the bottom corners
 - There is also a Black or White Tank Trim along the entire bottom of the tank which takes most of the weight of the system
 - This prevents the weight from being transferred to the bottom glass pane, and therefore the seams of the tank
 - Grab the tank from the corners below the tank trim
- Lift the tank up high off the floor, making sure to give more than enough clearance between the bottom of the tank trim and the top of the stand
- Be sure to align the bottom overflow holes on the tank with the bulkhead holes on the top of the stand
- Gently place down into position, being careful to keep fingers out from under the bottom lip of the tank
- If small adjustments need to be made to seat perfectly flush with the stand, have a friend help push evenly from the White or Black Tank Trim on the bottom of the tank
 - Pushing from the glass itself can lead to glass shifting and can stress or damage the silicon seams
 - Pushing from the glass may void warranty
 - Although these tanks are made very well, they are not indestructible, so to keep both you and your tank safe, please be sure to use precaution and push from the bottom



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5. Plumbing Prep - Flow Regulation and Tuning

- For greater regulation of the flow of water coming from the tank and into the filter, you can optionally install the included Ball Valves
 - This will allow you to dial in the exact flow of water necessary in your system to create a full siphon of water into your drain line, completely eliminating air bubbles and greatly reduce cascading water noise
 - To use Ball Valves, cut a piece out of the vertical sections of drain piping to plumb in the Ball Valves
 - The bottom of the drain piping should rest 3-4 inches below the water level in the filter
- Next, insert the included Spiral Silencer into the top of the return line (in the overflow box inside the tank)
- Then, attach the Silencer Cap to the drain intake tube (also in the overflow box)



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6. Plumbing Assembly

- Once the tank is safely in place, it's time to hook up the plumbing
- The filter will be mounted in place upon arrival, so leave it as is for the rest of assembly
- Using the included Bulkhead Adapters:
 - Place an included Gasket inside the female end of the adapter
 - Thread on the bulkhead adapters to the appropriate bulkhead hole fittings at the back of the cabinet compartment
 - Each bulkhead adapter will only fit with the same sized bulkhead hole fitting, and each is a slightly different size, so **DON'T FORCE THE ADAPTER ON**
 - If the adapter doesn't thread on easily, try screwing onto another fitting and see if it's easier
 - Once each adapter is on the appropriate bulkhead fitting, tighten to snug with your Wrench
 - **DO NOT OVERTIGHTEN ADAPTERS**, they just need to fit snug, and once the Wrench becomes difficult to move easily, it is tight enough
- Next, install the pre-assembled drain plumbing pipe lines
 - Different ProStar models will have either 1 or 2 drain plumbing pipe lines coming down from the tank
 - ProStar 60 and 90 = 1 Drain Line
 - ProStar 150, 200, and 230 = 2 Drain Lines
 - This will determine the number of drain lines to plumb in, and also where they lead to in the sump
 - If using the ProStar 60 or ProStar 90...
 - The system will have 1 drain pipe line
 - Place the threaded end of the pipe into the bulkhead fitting in the back of the cabinet compartment
 - Place the open (non-threaded) end of the pipe into the tall, skinny filter compartment just to the right of the filter sock compartment in the front of the filter
 - Screw in the threaded end and hand tighten until snug



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6. Plumbing Assembly (cont)

- If using the ProStar 150, 200, or 230...
 - The system will have 2 drain pipe lines
 - Place the threaded end of the pipe into the bulkhead fitting in the back of the cabinet compartment
 - Place the open (non-threaded) end of the pipe into the tall filter compartment all the way to the left side of the filter, next to the filter sock compartment
 - Screw in the threaded end and hand tighten until snug
 - Lastly, install the pre-assembled return plumbing line
 - Align the threaded end of the return plumbing line to the return bulkhead fitting at the back of the cabinet compartment (the return fitting is behind the drain fitting)
 - Position the open (non-threaded) end into the return compartment on the right side of the filter
 - Screw in the threaded end and hand tighten until snug
 - If needed, unfasten the ceiling-mounted Zipties inside the stand and fasten around the corresponding plumbing pipe lines
 - This will help hold the weight of the plumbing and water to prevent pipe stress over time
 - Place the included Filter Socks into the filter sock holders in the sump
 - ProStar 60 and 90: Filter Socks will be placed in the ring holders in the front of the filter
 - ProStar 150, 200, and 230: Filter Socks will be placed in the ring holders in the very left of the filter, just to the right of the drain lines
 - Attach the Black Soft Hose to the open end of the return pipe line if not attached already
 - Attach your Return Pump onto the end of the Black Soft Hose
 - Hose can be cut to fit the height of your Return Pump if needed



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7. Releveling

- Now that everything is plumbed, it's a good idea to recheck the leveling of the system
- Check both the stand itself (inside the cabinet compartment), and the tank as well (inside the tank on the bottom glass)
- Make any small tweaks and adjustments to the leveling feet with your Wrench if needed
- Remember to check both side to side and front to back
- If your system has been off-centered by a large margin, reach out to us immediately **BEFORE YOU BEGIN FILLING THE TANK WITH WATER**
 - If you attempt to fill the tank with water while the system isn't leveled, it can cause the glass or other components to shift over time, and will most likely void warranty



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8. Water Leak Testing (optional)

- This step is optional, but is highly recommended by Pro Clear
- Now that your system is fully plumbed, it's time to test for safe water holding
- Before adding any water, be sure to have buckets, towels, and a siphon hose nearby to quickly deal with any potential water outside the tank while testing
- Leak Test Guidelines
 - To be extra safe for checking the complete seal of the tank to protect life inside and outside the system:
 1. Fill the tank up to 15-25% capacity (or just enough to where if there was a leak it could be easily contained)
 - a. Be sure to only fill with LUKE WARM WATER
 - b. Cold water can cause the aquarium to “sweat” or condense on the outside which can give false information of a leak
 2. Leave water to sit for 30 minutes - 1 hour
 3. Visually check the seams of the tank for any signs of water outside the glass
 4. Gently run a dry paper towel along the outside seal of the silicon to check for any signs of moisture
 5. Look along the corners and panels of the stand for any signs of moisture (can wipe a dry paper towel across as well)
 6. If any moisture is found, let sit for 30 minutes - 1 hour and repeat Steps 3-5
 7. If moisture is still present, completely drain the tank and contact Pro Clear immediately
 8. If everything is dry, move on
 9. Continue to fill the tank in 15-25% increments until the water level reaches the overflow and ALMOST begins to flow down into the filter
 - a. Don't let any flow down, but have the water around 1-2 inches from the overflow opening
 10. Stop filling with water and repeat Steps 2-8



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o Leak Test Guidelines (cont)

11. Continue filling the system to allow water to flow down to the filter until it is around half full (common water level in most sumps)
 - a. Keep an eye on your tank water level to be sure it doesn't overflow
12. Check the filter by running a paper towel along the outside of the filter seams (to get rid of possible humidity inside stand), then perform a second time with a fresh paper towel
13. If second paper towel has excess moisture, contact Pro Clear immediately
14. If second paper towel is dry, continue
15. Can perform the same paper towel test for Auto Top Off as well if desired
16. Check bottom of cabinet compartment for any signs of still water
17. If still water present, completely drain the filter and contact Pro Clear immediately
18. If dry, continue
19. Done, your entire tank system is sealed!

Thank you for purchasing one of Pro Clear Aquatic Systems great products. Please be sure to register for your warranty within 14 days of purchase. Please see the following Certificate of Warranty for details.

Contact Pro Clear Aquatic Systems
Phone: 904-448-6800
Email: CSR@Pro-Clear.com

Certificate of Warranty – Combo Aquarium System

Thank you for purchasing a Pro Clear Aquatic Systems™ Combo Aquarium System (hereinafter “**the Product**”), from our product line known as ProStar Rimless (standard or peninsula style) or the ProClear Cylinder brand lines.

New PCA, LLC, doing business as Pro Clear Aquatic Systems (hereinafter “Pro Clear”) warrants the Product against manufacturer’s defects in material and workmanship for 36 months from your date of purchase. You can register your Product at <https://www.pro-clear.com/warranty>

The warranty provided by Pro Clear is NOT TRANSFERABLE AND IS LIMITED TO THE ORIGINAL PURCHASER. If the aquarium tank is placed on anything other than the matching cabinet provided as part of the Pro Clear Aquatic Systems Combo Aquarium System, this warranty is void. If the Product is eligible under this warranty, Pro Clear will either repair the Product free of charge (not including shipping costs) with new or refurbished parts or replace the Product with a new or refurbished Product at Pro Clear’s sole discretion.

This warranty DOES NOT COVER normal wear and tear, or items that have a limited natural life or are consumable, such as, but not limited to sponges, filter socks, and “O” rings. It also DOES NOT COVER damage which occurs in shipment and/or failures or defects resulting from use outside normal use, and/or natural disasters, accidents, power line surges, neglect, improper installation, operation or maintenance, servicing of the Product conducted by anyone other than Pro Clear, or Pro Clear authorized service personnel, or failure to use or assemble the Product in accordance with any instructions provided (in the Product manual or otherwise) or the technical and/or safety standards of the country in which the Product is used. Additionally, any modification of the Product other than by Pro Clear or Pro Clear authorized service personnel will void this warranty.

In order to file a warranty claim, please contact Pro Clear via phone (904) 448-6800 during normal business days from 10 a.m. to 4 p.m. eastern time, or email orders@pro-clear.com to discuss your situation to begin the warranty claim process. Proof of purchase will be required before warranty performance is provided. Please do not discard any parts of the Pro Clear Aquatic Systems Combo Aquarium System while the warranty claim is being processed, doing so will void the warranty coverage.

The sole and exclusive remedy against Pro Clear shall be for the repair or replacement of the Product as provided above. NO OTHER REMEDY (including but not limited to, incidental or consequential damages for lost profits, lost sales, or any other incidental or consequential loss) shall be available. Some jurisdictions do not allow the exclusion of incidental or consequential damage, so the above limitation may not apply to you. To the full extent allowed by applicable law, in no event shall Pro Clear be liable for any loss or damage to aquatic life, and/or damage to other property and/or individuals resulting from the use of the Product or arising out of any breach of this warranty. All implied warranties are excluded to the full extent allowed by applicable law, and to the extent that they may not be excluded, are limited to the applicable warranty period set forth above. Some jurisdictions do not allow limitations on how long an implied warranty or condition lasts, so this limitation may not apply to you. The express warranties made in this warranty are exclusive and may not be altered, enlarged, or changed by any distributor, dealer, or other person, whatsoever.

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