



FREEDOM 4-in-1 MODEL's 200, 300, 400 ASSEMBLY AND INSTALLATION INSTRUCTIONS

The Freedom line was designed to handle all of your filtration needs! It may be set up as a Wet/Dry, Berlin Sump, Refugium, or with a Chemical Media Cartridge.

UNPACK:

Remove the filter from the Packaging; be sure to remove all tape and cardboard. Verify that you have all of the parts that are shown on the parts list.

INSTALLATION:

Remove Item 3, Threaded 90 Degree Elbow Assembly, Item 4, Rubber Seal and Item 5, Threaded Slip Fitting from inside the Item 8, Filter Socks. Install Item 5, Threaded Slip Fitting onto Item 6, Inlet Pipe and place inside the Bubble Tube. Slide threaded end through the holes on top, add Item 4, Rubber Seal and Item 3, Threaded 90 Degree Elbow Assembly, screw hand tight. (Ensure Item 4, Rubber seal is on the filter top.)

WET/DRY SUMP:

The Wet/Dry Sump is used in conjunction with a WET/DRY Bio Media Kit in the Chamber 2 area, and used for freshwater or saltwater aquariums. Remove Item 13, See Through Cover, by removing the three Item 11, Nylon Screws. (Save for future use, if desired.) Open and Install your Wet/Dry Bio Media Kit into Chamber 2 area by placing Item 14, Egg Crate Shelf onto the bottom four tabs in Chamber 2. Install Item 15, Blue Bio Balls and level out to allow Item 16, Drip Tray to sit firmly on upper four tabs in Chamber 2. Install Item 17, Blue Polyester Pad into Item 16, Drip Tray. (Note: install white side up.) Position the sump below aquarium. Attach the Item 2, Flex Hose, from Item 3, Threaded 90 Degree Elbow Assembly to aquarium drain or overflow box. Position Submersible return pump into Chamber 3. Attach return hose from pump to aquarium. If using a Protein Skimmer install into Chamber 1 area. Proceed to Filling.

BERLIN SUMP:

The Berlin Sump acts primarily as a sump increasing the overall water volume of the aquarium. It provides mechanical filtration, areas for chemical filtration and a protein skimmer. Biological filtration occurs primarily in the live rock, substrate and decorations in the main display aquarium. Remove Item 3; See through Cover, by removing the Item 11, Nylon screws. (Save for future use, if desired.) If using a Protein Skimmer install into Chamber 1 area. Proceed to Filling.

REFUGIUM SUMP:

The Refugium Sump provides the same benefits as the Berlin method but uses a lighted sump area designed for housing algae, plankton and a host of other detritus consumers. **Note:** (We do not supply nor recommend the light used.) Position the sump below aquarium. Attach the Item 2, Flex Hose from Item 3, Threaded 90 Degree Elbow Assembly to aquarium drain or overflow box. Place live rock or live sand into Chamber 2. Position Submersible return pump into Chamber 3. Attach return hose from pump to aquarium. If using a Protein Skimmer install into Chamber 1 area. Proceed to Filling.

Chemical Media Cartridge:

The Chemical Media Cartridge is placed in the Chemical Media Canal™ and functions with the use of your choice of chemical additives in the Chemical Media Cartridge compartments. After filling the Chemical Media Cartridge with additives, simply hang onto the slots provide in the Chemical Media Canal™.

Proceed to Filling.

1. Fill Chamber 1 with water until it flows into Chamber 2. Continue until water level in Chamber 3 is 1" to 2" over the pump.
2. Fill aquarium until it flows thru the overflow box. Turn the submersible pump on; fill sump with additional water until the water level is running steadily 1" to 2" over the pump. Mark water level in Chamber 3 with a marker.
3. Turn off submersible pump and check water level. Wait 15 minutes to insure water movement has ceased. Mark water level in Chamber 3 with a marker.
4. Measure the distance between the 2 marks and add 1 inch, this is the max fill level of the sump. Install Max Water Level sticker. The sump should never be filled above this level to prevent overflows during power outages.
5. The Item 10, Adjustable Water Flow Gate may be adjusted up or down to control the flow rate of water into Chamber 2.

MAINTENANCE:

This should be performed as required. Algae should not be allowed to build up on any parts of the FREEDOM™ 4-in-1. The Item 12, Blue Foam Block should be removed and rinsed in fresh water when doing a water change. The Item 8, Filter Socks should be removed and cleaned every 2 weeks or as needed, especially after cleaning the aquarium. This may be accomplished by turning socks inside out and rinsing with freshwater. You may need to soak overnight in 1 part bleach to 10 parts water; we suggest purchasing an extra set of socks when this is required. Any evaporation taking place in the aquarium will be transferred to the sump area causing the water level to drop in the sump. Fresh water must be added directly to the sump, as needed, to prevent the system from running dry and to maintain constant salinity.

This Pro Clear Aquatic Systems product is covered by a Limited Lifetime Warranty for the original purchaser against defects in materials or workmanship (receipt required).

Freedom 4-in-1 Models 200, 300, & 400

Parts List:

1. Main Filter Body
2. Flex Hose (3 Ft)
3. Threaded 90 Degree Elbow Assembly
4. Rubber Seal
5. Threaded Slip Fitting
6. Inlet Pipe
7. Lid
8. Filter Sock
9. Chemical Media Cartridge (optional)
10. Adjustable Water Flow Gate
11. Nylon Screw
12. Blue Foam Block
13. See Through Cover
14. Egg Crate Shell (optional)
15. Blue Bio Balls (optional)
16. Drip Tray (optional)
17. Blue Polyester Pad (optional)

*Item 14-17 are parts of the Bio-media Kit (optional)

