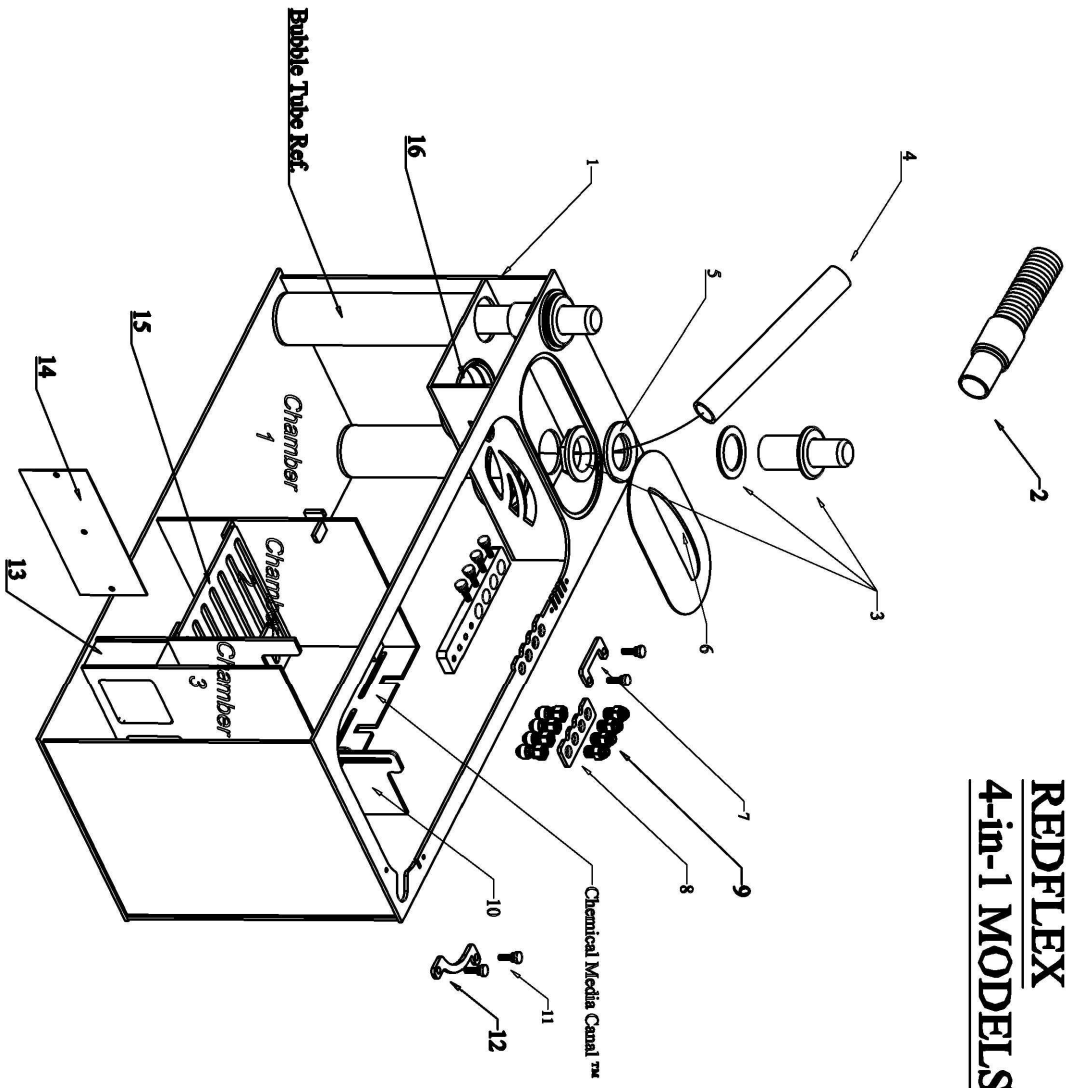


REDFLEX 4-in-1 MODELS 200, 300 & 400



- PARTS LIST:**
1. MAIN FILTER BODY
 2. FLEX HOSE (3 FT)
 3. 1" BULK HEAD ASSEMBLY
 4. INLET PIPE (1" RED PVC 10" Lg)
 5. RED, BULKHEAD SPACER
 6. RED LID
 7. RED, CORD RESTRAINT
 8. RED, 1/2" DOSING TUBE HOLDER
 9. MALE/FEMALE 1/2" NPTF PUSH FITTINGS
 10. ADJUSTABLE WATER FLOW GATE
 11. NYLON SCREW
 12. RED, HOSE RESTRAINT
 13. BLUE FOAM BLOCK
 14. SEE THROUGH COVER
 15. WHITE FRAG RACK
 16. FILTER SOCK PLACEMENT

- OPTIONAL ITEMS:**
17. CHEMICAL MEDIA CARTRIDGE
- WET/DRY Bio Media Kit**
18. BLUE BIO BALLS
 19. DRIP TRAY
 20. BLUE POLYESTER PAD



The *Pro Clear REDFLEX 4-in-1* line was designed to handle all of your filtration needs! *REDFLEX™ 4in1* 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: 1. Place Item 4, Inlet pipes in Bubble Tubes. 2. Install Item 3 Bulk Head Assemblies as shown in diagram (Hand Tighten). 3. Secure the inlet pipes into the bottom of the bulk head. 4. Attach Item 2, 3ft Flex Hose from your tank drains to the filter bulkheads. 5. Install Items 8 and 9, Red Dosing Tube Holder and Male/Female 1/4" Push Fittings (Female underneath) 6. Inlay any probe and dosing tubes required. 7. Screw in Item 7, red cord restraint for probe tubes. 8. Fit your return hose into the corner slot. 9. Screw Item 12, in the Red Hose Restraint.

Wet/Dry Sumps are 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 Sumps act 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 three Item 11, Nylon screws. (Save for future use, if desired.) If using a Protein Skimmer install into Chamber 1 area. Proceed to **Filling:**

Refugium Sumps provide 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:**

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 ensure 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. Apply 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 REDFLEX 4in1. Item 12, Blue Foam Block should be removed and rinsed in fresh water when doing a water change. 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.