

MAINTENANCE

1. Routine maintenance is required to ensure the maximum performance and the longevity of the multimedia reactor.
2. For proper operation of the water pump: clean the pump, impeller and intake strainers every three weeks. Failure to do so will cause premature failure of the pump.
3. Basic maintenance of the pump:
 - a) Disconnect the water pump from the power supply prior to removing the pump from the aquarium.
 - b) Remove either the pre-filter or intake filter strainer. Rinse out pre-filter sponge of all debris.
 - c) Remove the impeller cover.
 - d) Once the impeller cover is removed, slide both the impeller and shaft out of the main body of the pump and clean well. Do not use any soap or detergents during cleaning.
 - e) After the impeller and shaft are cleaned, use a small brush to clean inside of the motor housing.
 - f) Reassemble above parts and your pump is ready to use. Make sure the bushing is reassembled properly. Failure to do so will cause permanent damage to the pump.

AQUATOP 180 Day Limited Warranty

Products are under warranty by AQUATOP Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period of 180 days from the date of the original purchase. Products have no warranty if: 1) the product has been serviced, modified or tampered with by anyone other than AQUATOP Aquatic Supplies, 2) the product has been abused or damaged (including broken or cracked bulbs), and/or 3) the product has been transported without proper packaging. Note: U.V. Bulbs are not covered under warranty.

For more information on tank maintenance and health, as well as other products available from AQUATOP, visit www.aquatop.com.

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AQUATOP MR-20 MULTIMEDIA REACTOR



OWNER'S MANUAL

Intro – AQUATOP MR-20

Thank you for choosing AQUATOP's MR-20 Multimedia Reactor. This powerful reactor uses a reverse water flow design that prevents water from channeling through the filter media, thus maximizing the efficiency of filter media. Constructed of high quality acrylic with an easy to remove lid, the MR Series can be installed either in-sump or hang on the tank and comes complete and ready to run with a pump and all plumbing parts.

May the AQUATOP MR Series of reactors serve you and your aquatic creatures well!

WARNING

To guard against injury, basic safety precautions should be observed, including the following:

READ ALL SAFETY INSTRUCTIONS BEFORE USE.

DANGER

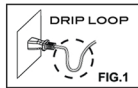
To avoid possible electric shock, special care should be taken since water is employed around the use of this product. For each of the following situations, do not attempt to repair yourself: return the appliance to an authorized service facility for service or properly discard the appliance.

WARNING: This product may contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm. Wash your hands after handling the product.

NOTE: It is your sole responsibility to verify that the plug and the receptacle are clean and free of moisture and salt buildup at all times. The receptacle must be free of water, salt, calcium, magnesium and dust. Failure to do so can cause fire, damage to property, and permanent damage to the product and personal injury not limited to loss of life.

NOTE: Before installing the unit, check for any signs of damage to the device. If there are any signs of damage to the device, power cable or plug, do not use and return to place of original purchase.

1. Read and follow all instructions.
2. A drip loop must be used with all electrical aquarium devices. A drip loop is a self-made part of the cord hanging below the receptacle. (See fig. 1)



3. A GFCI (Ground Fault Circuit Interrupter) should be used in the branch circuit supplying all power to water pumps and electrical aquarium equipment. If you do not have a GFCI, we strongly recommend having a qualified electrician install one prior to operating any aquarium component.
4. Do not plug into extension cord/power strip.
5. Use this product for its intended purpose only.
6. Never yank or pull the cord from the electrical outlet.
7. Do not operate if the plug or wire is damaged.
8. Verify that hands are dry prior to disconnecting the power.
9. To reduce the risks of electrocution, keep all connections dry.
10. For indoor use only.
11. If any of the electrical components get wet, unplug immediately.
12. Do not use soaps or detergents when cleaning the exterior surface of this device.
13. Make sure the device is completely dry before connecting.
14. Keep this product away from children.



PART LIST

1. Reaction chamber
2. Down tube
3. Intake Tube
4. Sediment discharge filter
5. Barbed fitting
6. Lock nut
7. Lid
8. O-ring
9. Media sponge
10. Media strainer
11. Hanger
12. Suction cup bracket
13. Control valve
14. Pump
15. Tubing

INSTALLATION

1. Choose a desired location for the AQUATOP Media Reactor.
2. Connect the intake tube to the middle barbed fitting of the AQUATOP Media Reactor. Secure the tube to the lock nut.
3. Connect a small piece of tubing from the bottom of the intake tube to the water pump.
4. Connect the output tube to the output barbed fitting of the AQUATOP Media Reactor. Secure the tube to the lock nut.
5. Connect the sediment discharge filter to the end of the output tubing.
6. Remove the lid by twisting counterclockwise.
7. Add desired media to the reaction chamber: phosphate resin, activated carbon, and other resin filtering medias. Follow manufacturer guidelines for media requirements for a given aquarium size, flow rates and precautions.
8. Place media sponges and media strainers below and above desired media.
9. Place the lid back by twisting clockwise.
10. Plug the water pump into a GFCI (Ground Fault Circuit Interrupter) outlet.

SETUP DIAGRAM

