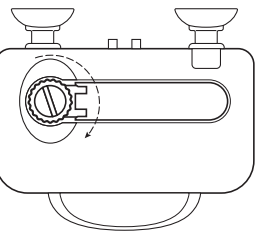


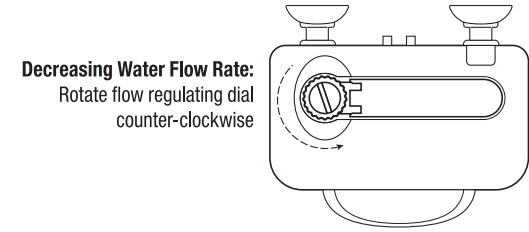
Maintenance

Adjusting Water Flow Rate

For your convenience, the flow rate of the SmartClean™ Internal Filter is adjustable to accommodate different fish types and reduce flow during feeding time.



Increasing Water Flow Rate:
Rotate flow regulating dial clockwise



Decreasing Water Flow Rate:
Rotate flow regulating dial counter-clockwise

Item Number	Aqueon® QuietFlow® Internal Filter Models with SmartClean™ Technology	Filter Size	EcoRenew™ Flow Rate Cartridge	Replacement Filter
100549861	AQi5-BCR	Size 5	up to 35 GPH	Extra Small
100549862	AQi15-BCR	Size 15	35-75 GPH	Small
100549863	AQi30-BCR	Size 30	75-150 GPH	Medium

Replacing Cartridge

Replacing the cartridge every 4 weeks is essential to keeping your aquarium clean. The underside of filter lid includes an easy reminder of what size replacement cartridge to use.

PLEASE NOTE: Due to the sustainable nature of the EcoRenew™ cartridge, it is recommended to replace BEFORE it starts to decompose – approximately 4 weeks. These cartridges are biodegradable and fully compostable.

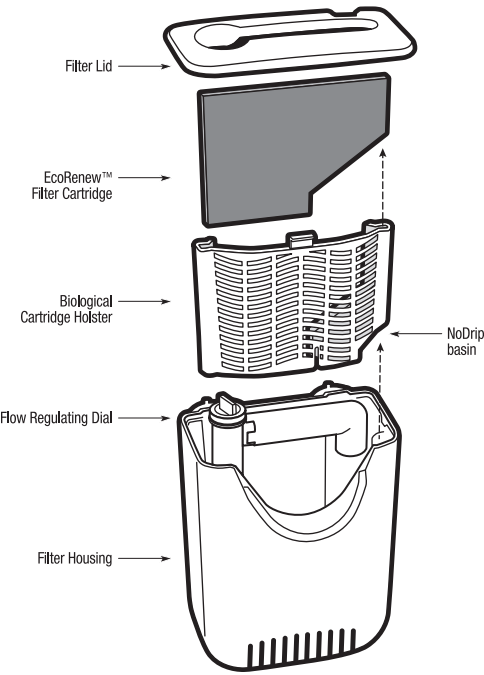
STEP 1: Using finger tab on biological holster pull upward to remove it from the filter. Tilt the holster to the side to let excess water drain back into the filter. Then tip the holster to the opposite corner so the no drip basin is at the lowest point. Dispose of used cartridge in the garbage or compost area.

STEP 2: Remove new cartridge from bag

STEP 3: Install new cartridge

STEP 4: Replace filter lid

Note: Do not discard biological cartridge holster. At time of cartridge replacement, rinse biological cartridge holster in water taken from aquarium. Do not rinse holster in tap water and do not use cleansers to clean.



Note: This appliance has no user serviceable parts.

Cleaning Pump and Impeller

STEP 1: Unplug filter from socket and remove from aquarium.

STEP 2: Remove internal filter lid, cartridge and biological cartridge holster.

STEP 3: To access the pump for cleaning, remove inner housing. To remove inner housing, hold filter housing with one hand and grab the inner housing by the rectangular hole on the back. Pull up on the inner housing; the pump will be attached to the inner housing.

STEP 4: Disconnect the pump by gently pulling downward.

STEP 5a: To clean the pump and impeller, pull off the pump housing cover.

STEP 5b: Remove impeller cover. The bottom of the impeller will be visible.

STEP 6: To remove impeller, use fingers or tweezers. Rinse and wipe off impeller to remove debris. Also rinse and wipe out the motor housing to remove any excess dirt.

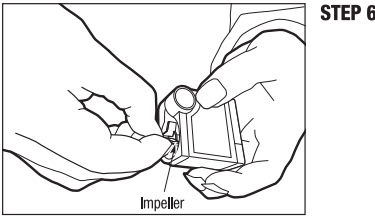
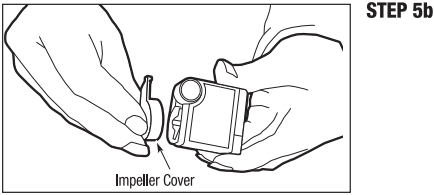
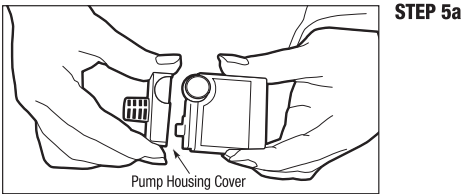
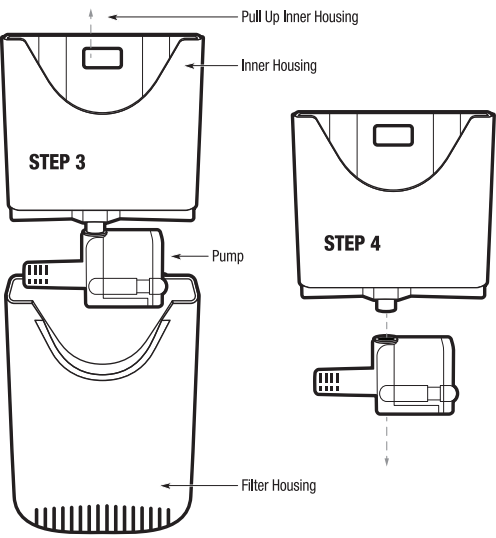
STEP 7: Once thoroughly rinsed, return impeller, impeller cover and pump housing cover.

STEP 8: Reattach pump to bottom of inner housing.

STEP 9: Return pump and inner housing into filter housing. Replace biological cartridge holster, cartridge, sponge holder and sponge.

STEP 10: Place filter back into position on aquarium.

STEP 11: Plug filter in to outlet to resume operation (be sure to incorporate a drip loop); place lid back on the filter.



One Year Limited Warranty

WHAT THE WARRANTY COVERS:

Central Aquatics ("Company") warrants this Aqueon® product (see Exclusions below) to the original purchaser against defective material and workmanship that occurs during normal in-home use for one year. Company will, at Company's option, either repair or replace same without charge (but no cash refunds will be made). This warranty is limited to replacement or repair of product only and does not cover loss of aquarium life, personal injury, property loss, or damage arising from the use of the product.

EXCLUSIONS:

- Damage resulting from accident, misuse, abuse, lack of reasonable care, subjecting the product to any but the specified electrical service, other than normal and ordinary use of the product, subjecting the product to abnormal working conditions or any other failure not resulting from defects in materials or workmanship.
- Damage resulting from modification, tampering with or attempted repair by anyone other than the Company.
- Transfer of product to someone other than the original consumer purchaser.

FOR WARRANTY OR TECHNICAL SERVICE:

- Contact the Company by mail or telephone:
Central Aquatics, 5401 West Oakwood Park Drive, Franklin, WI 53132, Telephone: (888) 255-4527 to obtain a return authorization number

NOTE: Be sure to provide contact information when requesting return authorization number.

- Deliver, mail or ship the product, together with a copy of the original bill of sale, to:
Central Aquatics, 5401 West Oakwood Park Drive, Franklin, WI 53132

You must pay any postage, shipping charges, insurance costs and other expenses to return the product along with the original cash register receipt to Central Aquatics. However, if the necessary repairs are covered by the warranty, Company will pay the return shipping charges to any destination within the United States or Canada.

LIMITATION OF IMPLIED WARRANTIES AND EXCLUSION OF CERTAIN DAMAGES:

THE COMPANY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, WITH RESPECT TO THIS PRODUCT. THIS WRITING CONSTITUTES THE ENTIRE AGREEMENT OF THE PARTIES WITH RESPECT TO THE SUBJECT MATTER HEREOF; NO WAIVER OR AMENDMENT SHALL BE VALID UNLESS IN WRITING SIGNED BY THE COMPANY. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation or exclusion may not apply to you.



QuietFlow® Internal Power Filters with SmartClean™ Technology

to be used with Aqueon® EcoRenew™ NoDrip design filter cartridges

Instruction Manual



Filter Models: Size 5 - AQi5-BCR, Size 15 - AQi15-BCR, Size 30 - AQi30-BCR

120 Volts 60 Hz



IMPORTANT SAFETY INSTRUCTIONS

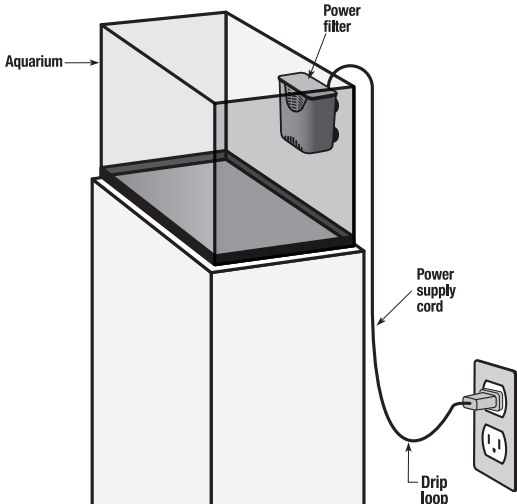
WARNING – To guard against injury, basic safety precautions should be observed including the following:

- 1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
- 2. **DANGER** – To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself; return the appliance to an authorized service facility for service or discard the appliance.
 - A. If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source.
 - B. Carefully examine the appliance after installation. It should not be plugged in if there is water on the parts not intended to be wet.
 - C. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner.
 - D. To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of the wall mounted receptacle to prevent water from dripping onto the receptacle or plug. As shown in the figure below, a “drip loop” should be arranged by the user for each cord connecting an aquarium appliance to the receptacle. The “drip loop” is the part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water travel along the cord and coming in contact with the receptacle. If the plug or the receptacles do get wet, DON’T unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the appliance. Then unplug and examine for the presence of water in the receptacle.
- 3. Close supervision is necessary when any appliance is used by or near children.
- 4. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.
- 5. Always unplug an appliance from the outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank the cord to pull plug from the outlet. Grasp the plug and pull to disconnect.
- 6. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
- 7. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
- 8. Make sure an appliance mounted on a tank is securely installed before operating it.
- 9. Read and observe all the important notices on the appliance.
- 10. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

ONLY FOR POLARIZED ATTACHMENT PLUG APPLIANCES

- 11. If this appliance has a polarized plug (one blade is wider than the other) as a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not attempt to defeat this safety feature.

12. SAVE THESE INSTRUCTIONS



CONSIGNES DE SÉCURITÉ IMPORTANTES

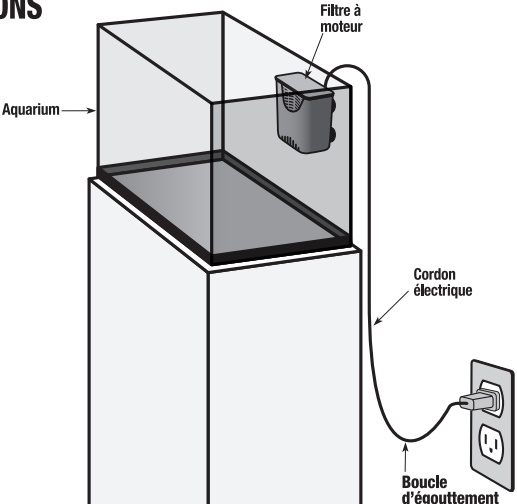
AVERTISSEMENT – Pour protéger contre les blessures, respecter les consignes de sécurité de base, notamment ce qui suit :

- 1. **LIRE ET RESPECTER TOUTES LES INSTRUCTIONS DE SÉCURITÉ.**
- 2. **DANGER** – Pour écarter les risques de décharge électrique, faire preuve de précautions particulières en raison de la présence d’eau dans l’aquarium. Dans chacune des situations ci-dessous, ne pas tenter de réparer soi-même ; renvoyer l’appareil à un centre de réparation agréé ou le mettre au rebut.
 - A. Si l’appareil présente des signes de fuites d’eau anormales, le débrancher immédiatement de la source d’alimentation.
 - B. Examiner l’appareil avec soin après son installation. Ne pas le brancher s’il y a de l’eau sur des pièces non destinées à être mouillées.
 - C. Ne pas utiliser un appareil s’il a un cordon ou une fiche endommagés, s’il fonctionne mal, s’il est tombé ou s’il a été endommagé d’une quelconque façon.
 - D. Pour écarter le risque de mouiller la fiche de l’appareil ou la prise de courant, placer le socle et la cuve de l’aquarium sur le côté par rapport à la prise murale, afin d’éviter que l’eau ne goutte sur la prise ou la fiche. Prévoir une « boucle d’égouttement », illustrée ci-dessous, sur chaque cordon qui raccorde un appareil de l’aquarium à la prise de courant. La « boucle d’égouttement » est la portion de cordon en dessous du niveau de la prise, ou du connecteur si un cordon de rallonge est utilisé, pour empêcher l’eau de s’écouler le long du cordon et de venir au contact de la prise. Si la fiche ou la prise sont mouillées, NE PAS débrancher le cordon. Couper l’électricité au niveau du disjoncteur qui alimente l’appareil. Débrancher ensuite le cordon et voir s’il y a de l’eau dans la prise de courant.
- 3. Une supervision étroite est nécessaire lors de l’utilisation de tout appareil électrique par des enfants ou à leur proximité.
- 4. Pour éviter les blessures, ne pas toucher de pièces en mouvement ni de pièces chaudes telles que radiateurs, réflecteurs, ampoules, etc.
- 5. Toujours débrancher un appareil de la prise de courant lorsqu’il n’est pas utilisé, avant de poser ou d’enlever des pièces et avant de le nettoyer. Ne jamais tirer sur le cordon pour sortir la fiche de la prise. Saisir la fiche et tirer pour débrancher.
- 6. Ne pas utiliser un appareil à d’autres fins que celles prévues. L’emploi d’accessoires non recommandés ni vendus par le fabricant de l’appareil peut produire une situation dangereuse.
- 7. Ne pas installer ni entreposer l’appareil dans un endroit exposé aux intempéries ou à des températures inférieures au gel.
- 8. S’assurer qu’un appareil monté sur un aquarium est solidement installé avant de le mettre en marche.
- 9. Lire et respecter toutes les consignes importantes figurant sur l’appareil.
- 10. Si un cordon de rallonge est nécessaire, utiliser un cordon de capacité suffisante. Un cordon prévu pour des intensités (A) ou des puissances (W) inférieures à celles de l’appareil peut surchauffer. Veiller à disposer le cordon de manière à éviter tout risque de trébuchement ou d’arrachement.

APPAREILS À FICHE POLARISÉE SEULEMENT

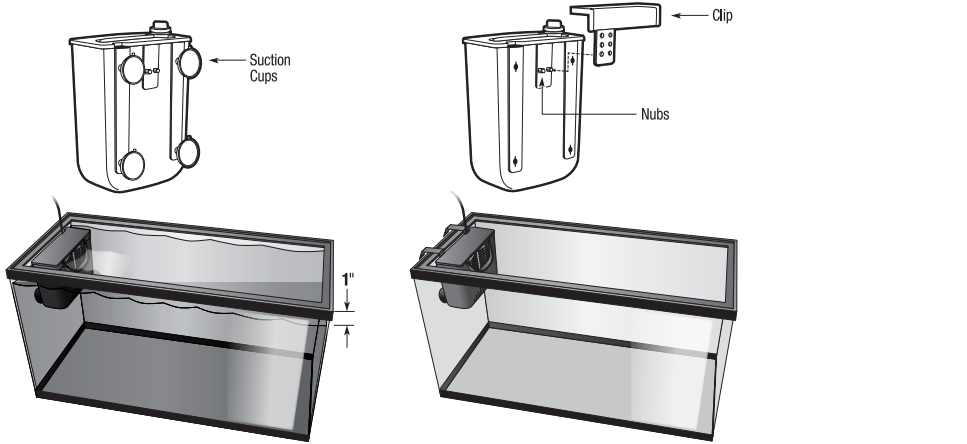
- 11. Si cet appareil comporte une fiche polarisée (une lame plus large que l’autre) par mesure de sécurité, cette fiche ne peut être branchée dans une prise polarisée que dans un sens. Si la fiche ne rentre pas complètement dans la prise, retourner la fiche. Si elle ne rentre toujours pas, contacter un électricien qualifié. Ne jamais utiliser avec un cordon de rallonge si la fiche ne s’enfonce par complètement. Ne pas tenter de contourner ce dispositif de sécurité.

12. CONSERVER CES INSTRUCTIONS



Installation/Operation

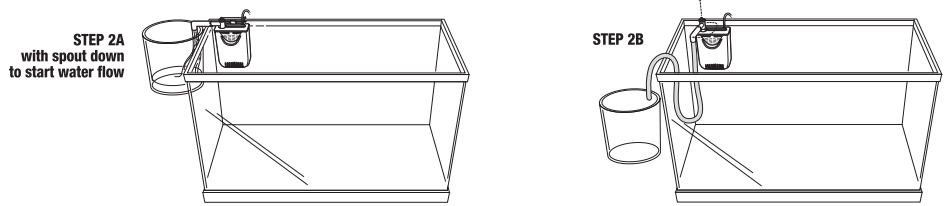
- STEP 1:** Check filter for any signs of shipping damage. If damaged, do not operate and return to place of purchase.
- STEP 2:** Remove new cartridge from bag.
- STEP 3:** Install cartridge as shown, line up the new filter cartridge into the holster by aligning the key slot (lining up the NoDrip corner in the cartridge with the NoDrip corner in the holster).
- STEP 4:**
 - A. Clip and suction cups are provided to hang filter. Based on the thickness of your aquarium frame, select the best option to use. Simply attach by pushing the nub of clip or suction cup into the holes located on the back of filter housing.
 - B. Install filter on tank as shown.
 - C. Fill tank with water to 1" from top of tank's edge.
 - D. Plug in power cord into household receptacle. Remember to incorporate “Drip Loop” when plugging in filter (as illustrated in **Important Safety Instructions**). Filter will begin to draw water from the tank, pump water into filter through cartridge and return it to tank.
 - E. Top off aquarium water level to outside bottom of the frame.



SmartClean™ Technology
Water Change Operation

Performing a water change is essential to the appearance of your aquarium and health of your fish. Just follow these steps.

- STEP 1:** Gently pull the Water Discharge Spout straight up to stop the flow of water.
- STEP 2A:** If able, rotate the Water Discharge Spout to the outside of aquarium and extend the Outlet Nozzle over your empty collection container. (**Note:** This positioning will not work on most aquariums with top frames.)
- STEP 2B:** If filter is positioned too low for Water Discharge Spout to rotate outside of the aquarium, rotate to the inside and attach flexible tubing to the Outlet Nozzle. Place other end of tubing in bucket or other empty collection container.
- STEP 3:** Push the Water Discharge Spout down to start water flow and begin your water change.
- Tip:** Remove about 25% of the water in the aquarium. Don't empty the aquarium completely; doing so removes beneficial bacteria from the aquarium water.
- STEP 4:** When collection container is full, gently pull the Water Discharge Spout straight up to stop the flow of water. Proceed to empty collection container. Repeat **STEPS 3 & 4** as needed.
- STEP 5:** When finished with water change, remove tubing (if needed), push Outlet Nozzle back into the Water Discharge Spout and rotate the Spout back to original starting position. Push the Water Discharge Spout down to begin water flow on the filter.
- STEP 6:** Refill aquarium with new, cleaned conditioned water.



Tip: Ensure you maintain a well-balanced aquarium, dose your water weekly with Aqueon® PURE. Aqueon® PURE is an easy to dose nitrifying bacteria supplement to maintain a well-balanced aquarium. Nitrifying bacteria live on surfaces such as filter media, décor and gravel, converting harmful ammonia and nitrite to less toxic nitrate. By dosing weekly, the enzymes and bacteria breakdown excess waste from over feeding or detritus in the aquarium which can help reduce filter maintenance.