

QuietFlow® LED PRO Aquarium Power Filters

Instruction Manual



The Aqueon® CA10-2H, CA20-2H, CA30-2H, CA50-2H and CA75-2H Power Filters are listed by Underwriters Laboratories to ensure that they meet the stringent U.S. and Canadian safety requirements.

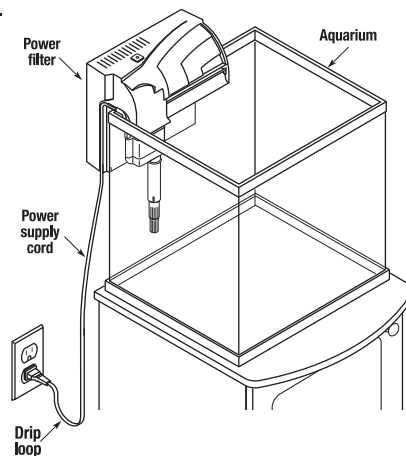
Filter Model: CA10-2H, CA20-2H, CA30-2H, CA50-2H and CA75-2H
120 Volts 60 Hz

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.



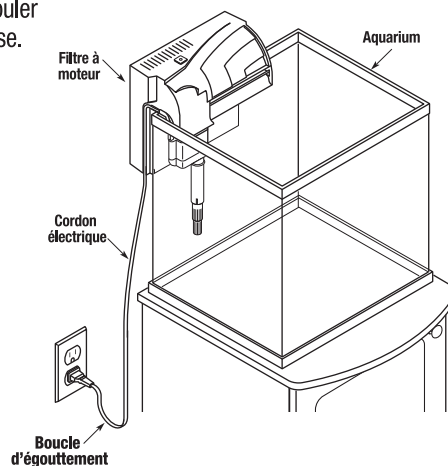
ONLY FOR POLARIZED ATTACHMENT PLUG APPLIANCES

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 pas complètement. Ne pas tenter de contourner ce dispositif de sécurité.
12. **CONSERVER CES INSTRUCTIONS**

Aqueon® QuietFlow® PRO Aquarium Power Filter is equipped with an LED Cartridge Change Indicator. This unique patented feature provides an easy visual indicator when it's time to replace the filter cartridge. When the filter cartridge(s) become fully clogged with debris, the water level rises within the filter. The higher water level means the filter cartridge needs to be replaced. The clogged filter cartridge triggers the LED Cartridge Change Indicator to begin flashing and is your visual signal to change the filter cartridge. Simply replace the cartridge(s) by following the instructions listed. Once the new cartridge has been installed the LED Cartridge Change Indicator will stop flashing.

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(s) and rinse under cold water to remove carbon dust.

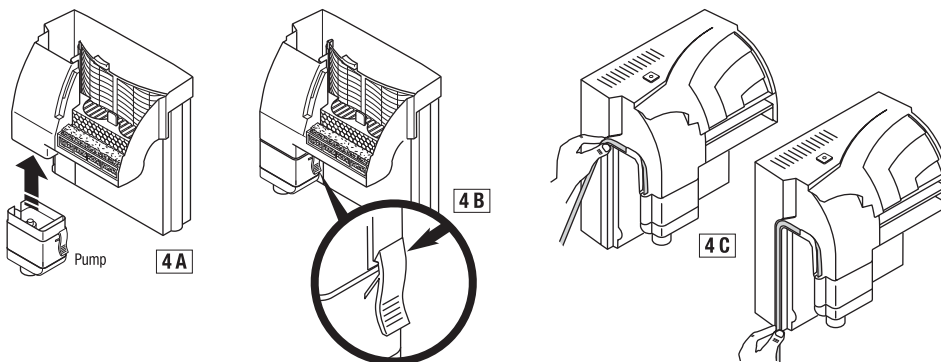
STEP 3: Install cartridge as shown. Biological Cartridge Holster and cartridge must face forward; both are labeled "FRONT".

STEP 4:

If the pump is already assembled, check the correct position of it. (Refer to diagram 4).

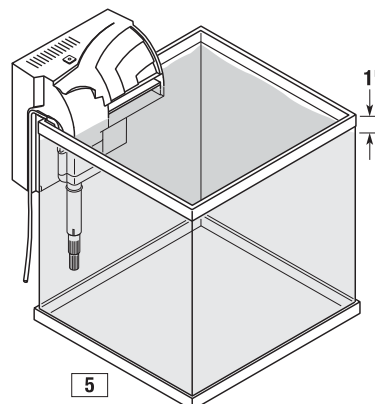
If the pump supplied is not assembled, follow the instructions to attach it:

- Insert the pump
 - Check the hook
 - Insert the power cord
- (Refer to diagrams 4A-4B-4C).



STEP 5:

- Install filter on tank as shown (diagram 5).
- Fill tank with water to 1" from tank's top edge.
- Plug power cord into household receptacle. (Remember to incorporate "Drip Loop" when plugging in the filter.) Filter will begin to draw water from tank, pump water into filter through cartridge and return it to tank.
- Top off aquarium water level to outside bottom edge of top frame.



Maintenance

FILTER CARTRIDGE:

Filter cartridge should be replaced when LED Indicator starts to flash or monthly.

STEP 1: Using finger tab on cartridge, remove used cartridge from filter and discard.

STEP 2: Remove new cartridge from bag and rinse under cold water to remove carbon dust.

STEP 3: Install new cartridge and replace cover.

STEP 4: If the LED Indicator continues to flash after the cartridge(s) have been changed, check to make sure moisture has not accumulated in the metal contact area on the underside of the cover. If moisture is present, wipe it dry and replace cover.

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.

PUMP:

STEP 1: Unplug filter and remove from aquarium.

STEP 2: Carefully remove filter tube from filter tube plate.

STEP 3: Carefully remove filter pump from filter body by pressing release tab.

STEP 4: Separate and clean all parts including impeller.

STEP 5: Rinse thoroughly and reinstall.

SPECIALTY FILTER PAD:

Specialty filter pads should be replaced every 2-3 weeks.

Replacement pads are sold separately – Carbon, Ammonia Reducer, and Phosphate Remover

STEP 1: Remove aquarium filter cover.

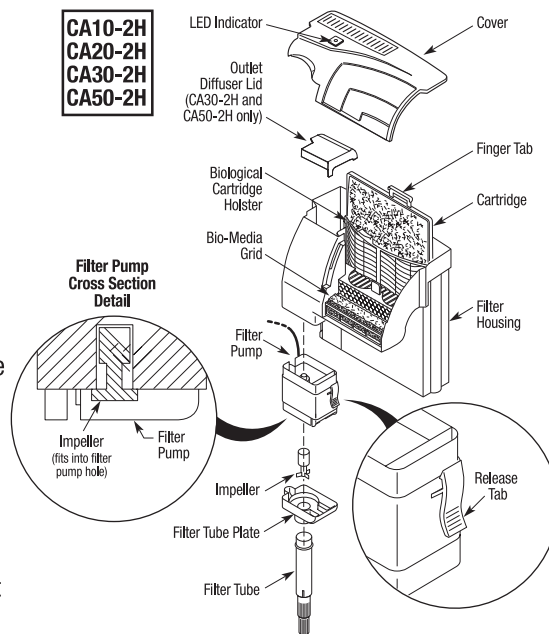
STEP 2: Remove Bio-Media Grid from filter by pulling upward on the tab.

STEP 3: Remove Specialty Filter Pad and discard.

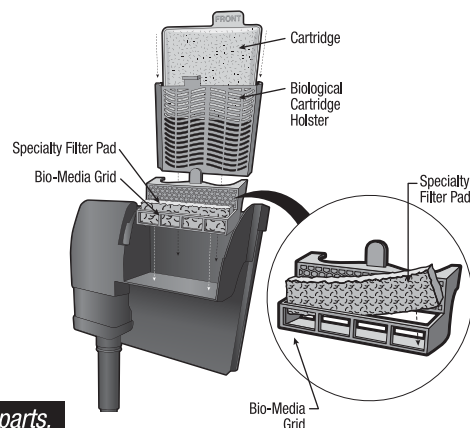
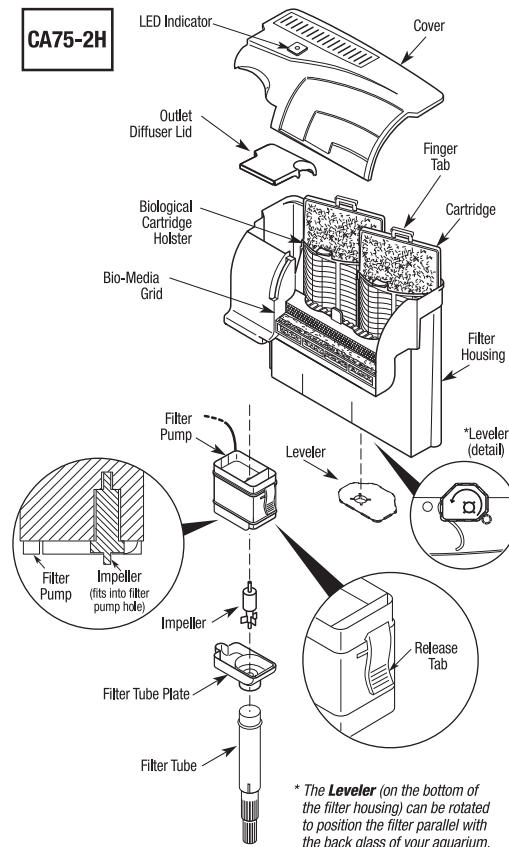
STEP 4: Insert new Specialty Filter Pad into Bio-Media Grid.

NOTE: Do not discard Bio-Media Grid. At time of Specialty Filter Pad replacement, rinse Bio-Media Grid in water taken from aquarium. Do not rinse Bio-Media Grid in tap water and do not use cleansers to clean.

CA10-2H
CA20-2H
CA30-2H
CA50-2H



CA75-2H



Note: This appliance has no user serviceable parts.

Installing LED Cartridge Change Indicator Batteries

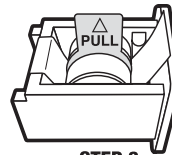
STEP 1: Remove filter cover.

STEP 2: Locate LED battery chamber.

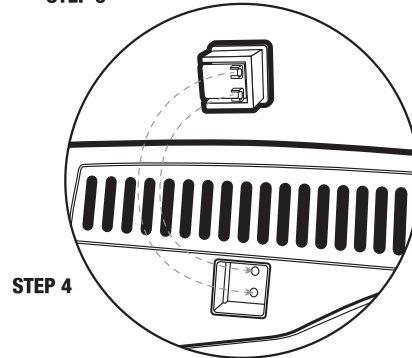
STEP 3: With battery charger facing upward, remove "PULL" tab from between batteries; this will activate them. Make sure white plastic ribbon is underneath the batteries. Placing the ribbon underneath the batteries will make battery removal easy when it's time to replace them. When installing the batteries, please make sure the contact points (+/-) are facing the correct direction.

STEP 4: Return LED battery chamber into filter cover; please be sure the contact points are aligned correctly.

STEP 5: Return filter cover to filter housing.



STEP 3



STEP 4

Replacing the LED Cartridge Change Indicator Batteries

STEP 1: Remove filter cover.

STEP 2: Pull LED battery chamber from cover.

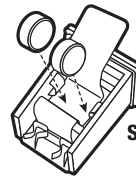
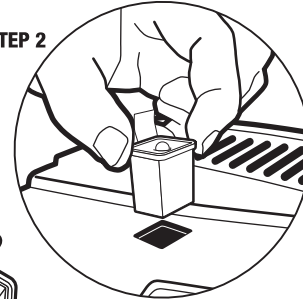
STEP 3: Use the plastic ribbon to remove batteries by pulling upward on ribbon, batteries should pop out easily.

STEP 4: Place new batteries on top of the ribbon, install new batteries. Make sure the contact surfaces (+/-) are facing the correct way.

STEP 5: Re-insert battery chamber into filter cover.

STEP 6: Place filter cover on housing.

STEP 2



STEP 4

Limited Lifetime Warranty

WHAT THE WARRANTY COVERS:

Central Aquatics (Company) warrants this product (see Exclusions below) to the original purchaser against defective material and workmanship that occurs during normal in-home use for 12 months from the date of purchase. 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. You must retain original proof of purchase to validate this warranty.

EXCLUSIONS:

1. 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.
2. Damage resulting from modification, tampering with or attempted repair by anyone other than the Company.
3. Transfer of product to someone other than the original consumer purchaser.

FOR WARRANTY OR TECHNICAL SERVICE:

1. 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.

2. 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 to Central Aquatics, Franklin, WI 53132. 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.