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› Aqueon SmartClean Power Filter with EcoRenew Cartridge User Manual (Model 100551031, 20-30 Gallons)

Aqueon 100551031

Aqueon SmartClean Power Filter with EcoRenew Cartridge User Manual

Model 100551031 for 20-30 Gallon Aquariums

INTRODUCTION

This manual provides comprehensive instructions for the Aqueon SmartClean Power Filter with EcoRenew Filter Cartridge, designed for 20-30 gallon freshwater and saltwater aquariums. This filter incorporates SmartClean Technology for simplified maintenance, quiet operation, and effective water purification. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your product.



AQUEON
it's all about the fish.®

SmartClean™
Power Filter

with **EcoRenew™**
Filter Cartridge

Adjustable flow rates
for aquariums
**20-30
Gallons**

SmartClean™ Technology
provides quick and easy
water changes.

EcoRenew™ Cartridge
is made of sustainable fibers
and is fully compostable.

L Includes
Large EcoRenew™
Filter Cartridge

Figure 1: Aqueon SmartClean Power Filter with EcoRenew Cartridge.

PRODUCT FEATURES

The Aqueon SmartClean Power Filter offers several key features to enhance your aquarium experience:

- **SmartClean Technology:** Enables quick and easy partial water changes without removing the filter, reducing mess and simplifying the process.
- **Quiet Operation:** Engineered for silent performance to maintain a peaceful aquatic environment.
- **NoDrip Design:** Cartridge and Bio-Holster feature a design to minimize water spills during changes.
- **Bio-Holster Cartridge Holder:** Provides a dedicated space for beneficial bacteria to grow, supporting biological filtration.
- **Aqueon EcoRenew Cartridge:** Made from sustainable fibers infused with carbon for effective removal of pollutants,

organic debris, and odors.

- **Auto-Start Pump:** Requires no priming and automatically restarts if power is interrupted and restored.
- **Adjustable Flow Rate:** Allows customization of water flow to suit various freshwater and saltwater aquarium sizes.

SmartClean Power Filter Technology includes:



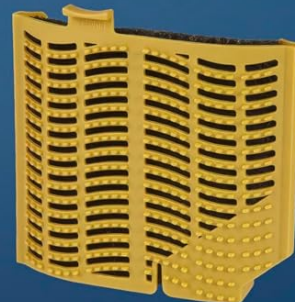
SmartClean Technology
provides quick and easy
water changes



EcoRenew Cartridge
made from fibers infused
with carbon



Auto-start Pump
requires no priming
and automatically restarts
if power is interrupted



**Bio-Holster
Cartridge Holder**
for beneficial
bacteria to grow

Figure 2: Key components of the SmartClean Power Filter.

SETUP INSTRUCTIONS

Follow these steps for proper installation of your Aqueon SmartClean Power Filter:

1. **Unpack Components:** Carefully remove all filter components from the packaging. Ensure all parts are present and undamaged. Refer to the detailed diagram for component identification.
2. **Assemble Intake Tube:** Connect the intake tube sections, ensuring a secure fit. Attach the assembled intake tube to the bottom of the filter motor housing.
3. **Install Filter Cartridge:** Insert the EcoRenew Filter Cartridge into the Bio-Holster. Then, place the Bio-Holster with the cartridge into the designated slot within the filter body. Ensure it sits correctly to allow proper water flow.

4. **Position Filter:** Hang the filter securely on the back rim of your aquarium. Ensure the intake tube is fully submerged in the water and the filter body is level.
5. **Fill Aquarium:** Ensure your aquarium is filled with water to the appropriate level, covering the intake tube and reaching the 'Water Level' indicator on the filter.
6. **Connect Power:** Plug the power cord into a grounded electrical outlet. The auto-start pump will begin operating without manual priming.

Easy installation and auto-start pump that does not require priming



Figure 3: Easy installation and auto-start pump feature.



SmartClean™ Power Filter

1. Patented QuietFlow® Filtration

Keeps water cycling at 75-125 GPH.

2. SmartClean™ Technology

Quick and easy water change in 3 simple steps.

3. Aqueon® Large EcoRenew™ Cartridge

Made from sustainable fibers infused with carbon for effective cleaning of water.

4. Auto-Start Pump

Requires no priming and automatically restarts if power is interrupted as long as water is at proper level.

5. Bio-Holster™

Holds cartridge in place and fosters biological filtration featuring NoDrip basin design to help eliminate water mess when changing cartridge.

6. Water Level Indicator

Keep water at water level line for filter to work properly.

7. Specialty Filter Pad Included

Helps improve overall health and clarity of water. Replacement pads available in 3 types.

8. Compatible with Tubing

If desired, connect flexible tubing (5/8" ID flexible PVC tubing) to nozzle to remove dirty water (not included).

9. Cover with Cartridge Size Reminder

Filter cover includes an easy reminder to use size Large replacement cartridge.



WARNING: This product can expose you to Styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



Figure 4: Exploded view of filter components and features.

OPERATION

Once installed, the Aqueon SmartClean Power Filter operates continuously to maintain water quality. The auto-start pump ensures reliable operation, even after power interruptions.

Adjusting Flow Rate

The filter features an adjustable flow rate to accommodate different aquarium inhabitants and conditions. Locate the flow adjustment knob on the top of the filter. Rotate the knob to increase or decrease the water flow as needed. Observe your fish and tank conditions to determine the optimal flow for your specific setup.

Adjustable flow rates

for a range of freshwater or saltwater
aquarium environments



Figure 5: Adjusting the water flow rate.

MAINTENANCE

Regular maintenance is crucial for a healthy aquarium. The SmartClean Power Filter simplifies this process.

Performing Water Changes with SmartClean Technology

The SmartClean Technology allows for partial water changes without removing the filter from the aquarium. Follow these three steps:

1. **Rotate the Spout:** Lift and rotate the filter nozzle to extend it over the edge of the aquarium.
2. **Remove Dirty Water:** Push down on the nozzle to begin pumping water out of the aquarium into a collection bucket. Monitor the water level and stop when the desired amount of water has been removed.
3. **Replace with Fresh Water:** Once the dirty water is removed, rotate the spout back into its original position and refill the aquarium with dechlorinated fresh water.



SMARTCLEAN DESIGN MAKES WATER CHANGES EASY IN 3 SIMPLE STEPS



1
Rotate
the spout



2
Remove
dirty water



3
Replace with
fresh water

Refer to label for complete instructions.

Figure 6: SmartClean design for easy water changes.

Replacing the EcoRenew Filter Cartridge

The EcoRenew Filter Cartridge should be replaced regularly, typically every 2-4 weeks, depending on your aquarium's bioload. The NoDrip design helps prevent spills during this process.

1. **Unplug Filter:** Disconnect the filter from the power outlet before handling.
2. **Remove Old Cartridge:** Carefully lift the filter cover. Grasp the Bio-Holster and gently pull it upwards to remove it from the filter body. Remove the old EcoRenew cartridge from the Bio-Holster.
3. **Install New Cartridge:** Insert a new Aqueon EcoRenew Filter Cartridge into the Bio-Holster.
4. **Reinstall Bio-Holster:** Place the Bio-Holster with the new cartridge back into the filter body, ensuring it is seated correctly.
5. **Replace Cover and Plug In:** Secure the filter cover and plug the filter back into the power outlet.

Bio-Holster cartridge holder

grows beneficial bacteria to support
biological filtration

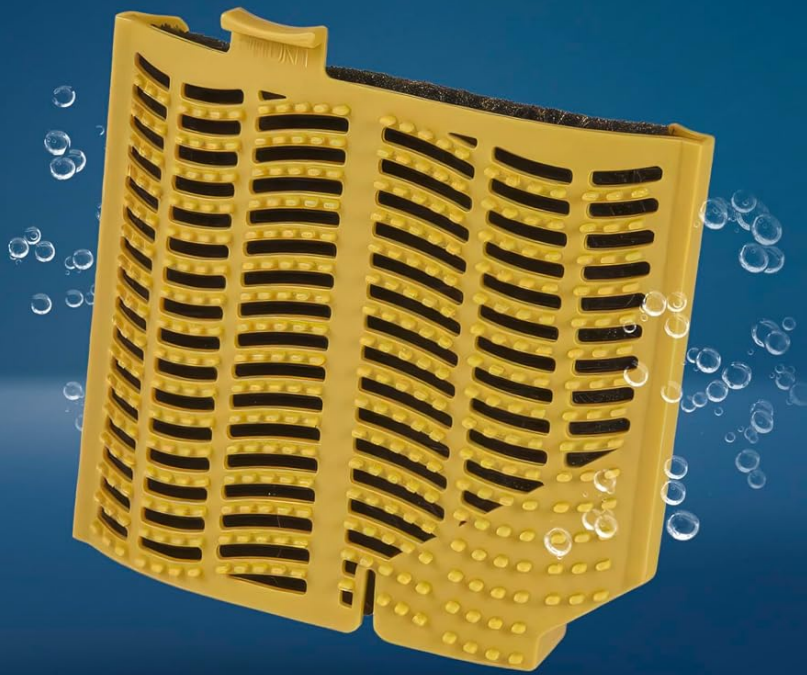


Figure 7: Bio-Holster for biological filtration and cartridge holding.

TROUBLESHOOTING

If you encounter issues with your Aqueon SmartClean Power Filter, refer to the following common problems and solutions:

- **Filter Not Starting or Reduced Flow:**

- Ensure the filter is properly plugged into a functional power outlet.
- Check that the water level in the aquarium is sufficient to submerge the intake tube.
- Inspect the intake tube and impeller for any blockages (e.g., debris, algae). Clean if necessary.
- Verify the impeller is correctly seated and not damaged.
- Ensure the filter cartridge is not excessively clogged, which can restrict flow. Replace if needed.

- **Excessive Noise:**

- Check for proper water level; insufficient water can cause air to be drawn in, leading to noise.
- Inspect the impeller for debris or damage. A worn or dirty impeller can cause rattling.

- Ensure the filter is securely hung on the aquarium rim and not vibrating against other surfaces.

- **Power Interruption and Restart:**

- The auto-start pump is designed to restart automatically after a power interruption. If it does not, check the power connection and ensure the impeller is free of obstructions.
- In some cases, if the filter runs dry for an extended period after a power failure, the motor may be damaged.

- **Water Not Clear:**

- Ensure the EcoRenew Filter Cartridge is not expired or excessively dirty. Replace as recommended.
- Check for proper water circulation and flow rate.
- Perform partial water changes more frequently if water quality issues persist.

SPECIFICATIONS

Key specifications for the Aqueon SmartClean Power Filter (Model 100551031):

- **Model Number:** 100551031
- **Recommended Aquarium Size:** 20-30 Gallons
- **Product Dimensions (LxWxH):** 7.56 x 4.65 x 7.87 inches
- **Item Weight:** 1.5 Pounds
- **Material:** Corrugated (packaging), Plastic (filter components)
- **Filter Type:** Power Filter (Hang-on-Back)
- **Filtration Media:** EcoRenew Filter Cartridge (mechanical and chemical), Bio-Holster (biological)
- **Country of Origin:** Vietnam

FIND THE PERFECT SIZE FILTER AND CARTRIDGE FOR YOUR AQUARIUM

Filter Size	Tank Size	EcoRenew Replacement Filter Cartridge Size
Medium	10–20 Gallons	Medium
Large	20–30 Gallons	Large
Large	30–50 Gallons	Large
Large	50–90 Gallons	Large



Figure 8: Filter and cartridge size compatibility chart.

WARRANTY INFORMATION

Central Aquatics (Company) warrants this product to the original purchaser against defective material and workmanship that occurs during normal in-home use for the life of the product. The Company will, at its option, either repair or replace the product without charge (no cash refunds will be made).

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.
- The warranty is not valid for components subject to wear.

SUPPORT AND CONTACT INFORMATION

For warranty claims or technical service, please contact Central Aquatics:

- **Address:** Central Aquatics, 5401 West Oakwood Park Drive, Franklin, WI 53132
- **Telephone:** (888) 255-4527

When contacting for service, be sure to obtain a return authorization number and provide your contact information. Deliver, mail, or ship the product, along with a copy of the original bill of sale, to the address provided.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question