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Aquael BioCeraMAX 1200 1L (AAU115233)

Aquael BioCeraMAX 1200 1L Biological Filter Media Instruction Manual

1. Introduction

The Aquael BioCeraMAX 1200 1L is a biological filter media designed for use in both fresh and saltwater aquariums and paludariums. This product consists of porous ceramic cylinders that provide an extensive surface area for beneficial nitrifying bacteria to colonize. These bacteria are crucial for the biological filtration process, converting harmful ammonia (NH_3) and nitrite (NO_2) into less toxic nitrate (NO_3), thereby maintaining healthy water parameters for aquatic life.

2. Product Overview

BioCeraMAX 1200 is engineered to offer superior biological filtration. Its fine-grained sintered glass construction creates a vast internal and external surface area, approximately 1200 m^2 per liter, which is ideal for the growth of bacterial colonies responsible for the nitrogen cycle.



Image: Aquael BioCeraMAX 1200 packaging and a detailed view of the ceramic filter media, highlighting its porous structure.

Key features of Aquael BioCeraMAX 1200 include:

- **Genuine Aquael Filter Media:** Ensures compatibility and performance with Aquael filtration systems.
- **Excellent Biological Filtration:** Provides a habitat for beneficial bacteria, promoting a stable aquatic environment.
- **Crystal Clear Water:** Contributes to improved water clarity by efficiently processing waste products.
- **No Special Tools Required:** Designed for straightforward integration into existing filter systems.
- **Easy to Replace:** Simple to remove and replace during routine maintenance.



Image: Visual representation of the key benefits and features of Aquael BioCeraMAX 1200 biological filter media.



Image: A close-up view of the white, porous ceramic rings of Aquael BioCeraMAX 1200, illustrating their texture and shape.

3. Setup Instructions

Before initial use, rinse the BioCeraMAX 1200 media thoroughly under clean, dechlorinated water to remove any dust or fine particles that may have accumulated during manufacturing and transport. Do not use tap water directly if it contains chlorine or chloramines, as these can harm beneficial bacteria.

1. Remove the BioCeraMAX 1200 media from its packaging.
2. Place the media in a mesh bag (if not already provided or if your filter requires it) to prevent it from scattering within the filter chamber.
3. Position the media within your aquarium filter. BioCeraMAX 1200 is typically used in the biological filtration stage, usually after mechanical filtration (e.g., filter floss, sponges) and before chemical filtration (e.g., activated carbon), if applicable. Refer to your specific filter's manual for optimal media placement.
4. Ensure the media is fully submerged and water can flow freely through it.

4. Operating Instructions

Once installed, the BioCeraMAX 1200 will begin to establish colonies of nitrifying bacteria. This process, known as cycling, can take several weeks in a new aquarium. During this period, monitor water parameters (ammonia, nitrite, nitrate) regularly.

- The porous structure of the media provides an ideal environment for bacteria such as*Nitrosomonas* (which convert ammonia to nitrite) and *Nitrobacter* (which convert nitrite to nitrate).
- Maintain consistent water flow through the media to ensure adequate oxygen supply for bacterial activity.
- Avoid cleaning the media with untreated tap water or harsh chemicals, as this can destroy the beneficial bacterial colonies.

5. Maintenance

For optimal filter performance and to prevent clogging, it is recommended to replace a portion of the BioCeraMAX 1200 filter media every 6 months. Do not replace all media at once, as this can disrupt the established bacterial colonies and lead to an ammonia or nitrite spike. Replace approximately 25-50% of the media at a time, allowing new bacteria to colonize the fresh media while maintaining existing colonies.



Image: Information on maintaining optimal filtration performance with BioCeraMAX 1200, including the recommended replacement schedule.

When cleaning the media, gently rinse it in old aquarium water (removed during a water change) to dislodge debris without harming the bacterial colonies. Never use tap water or chemical cleaners.

6. Troubleshooting

If you experience issues with water quality after installing BioCeraMAX 1200, consider the following:

- **High Ammonia/Nitrite Levels:** This indicates an insufficient bacterial colony. Ensure proper rinsing of the media before use and avoid overfeeding. If the aquarium is new, allow more time for cycling. Consider using a bacterial starter product.
- **Reduced Water Flow:** The media may be clogged with debris. Perform gentle cleaning as described in the Maintenance section. Check other filter components for blockages.

- **Cloudy Water:** While BioCeraMAX aids in clarity, persistent cloudiness may indicate other issues such as bacterial bloom, algae bloom, or fine particulate matter not being removed by mechanical filtration. Ensure mechanical filter media is clean and functioning correctly.

7. Specifications

Specification	Detail
Brand	Aquael
Model Name	Aquael BioCeraMAX Ultrapro 1200
Model Number	AAU115233
Item Form	Cylinders
Liquid Volume	1 Liters
Size	1200 1L
Item Weight	1 Pounds
Item Package Dimensions (L x W x H)	8.74 x 5.31 x 2.24 inches
Target Audience	Fish
Age Range Description	All Life Stages
Specific Uses for Product	Indoor Aquarium Filtration

8. Warranty and Support

This product is covered by a Manufacturer Warranty. For specific details regarding the warranty period, coverage, and claims process, please refer to the documentation included with your purchase or contact Aquael customer support directly.

For further assistance, product information, or to explore other Aquael products, please visit the official Aquael store or website. You can find more information at the Aquael Store on Amazon.

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