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› Dennerle Micro-Perler Ceramic Disc and Gasket Instruction Manual

Dennerle 3073

Dennerle Micro-Perler Ceramic Disc and Gasket Instruction Manual

Model: 3073

INTRODUCTION

This manual provides essential instructions for the proper use, installation, and maintenance of your Dennerle Micro-Perler Ceramic Disc and Gasket. This product is a replacement part designed to ensure optimal performance of your Dennerle Micro-Perler CO2 diffuser system in aquariums.

PRODUCT OVERVIEW

The Dennerle Micro-Perler Ceramic Disc and Gasket (Model 3073) is a crucial component for efficient CO2 diffusion in planted aquariums. The ceramic disc facilitates the creation of fine CO2 bubbles, maximizing dissolution into the aquarium water, while the gasket ensures a secure, leak-free seal within the Micro-Perler unit.



Image 1: Packaging for the Dennerle CO₂ Micro-Perler Special. This image illustrates the complete CO₂ diffuser system for which the ceramic disc and gasket serve as replacement parts. The packaging shows the main diffuser unit and a CO₂ bubble counter.

Key Features:

- **High-Quality Ceramic Disc:** Designed for optimal CO₂ bubble size and diffusion efficiency.
- **Durable Gasket:** Ensures a tight seal, preventing CO₂ leaks and maintaining system pressure.
- **Genuine Dennerle Replacement Part:** Guarantees compatibility and performance with Dennerle Micro-Perler

systems.

SETUP AND INSTALLATION

Follow these steps carefully to replace the ceramic disc and gasket in your Dennerle Micro-Perler unit.

1. **Disconnect CO2 Supply:** Before beginning, ensure the CO2 supply to your Micro-Perler unit is completely shut off and disconnected.
2. **Remove Micro-Perler from Aquarium:** Carefully detach the Micro-Perler unit from the aquarium glass or filter hose, if applicable.
3. **Disassemble Unit:** Gently unscrew or unclip the section of the Micro-Perler unit that houses the ceramic disc. Refer to your specific Micro-Perler model's diagram if unsure.
4. **Remove Old Disc and Gasket:** Carefully remove the old ceramic disc and gasket. Note their orientation for correct installation of the new parts.
5. **Clean Housing:** Clean the housing thoroughly to remove any algae or debris that may have accumulated.
6. **Install New Gasket:** Place the new gasket into its designated groove, ensuring it sits flush and is not twisted.
7. **Install New Ceramic Disc:** Carefully insert the new ceramic disc into its position, ensuring it is seated correctly and securely. Avoid touching the ceramic surface with bare hands to prevent oil transfer.
8. **Reassemble Unit:** Screw or clip the Micro-Perler unit back together, ensuring all connections are tight but do not overtighten.
9. **Reinstall and Reconnect:** Reinstall the Micro-Perler unit in your aquarium and reconnect the CO2 supply.
10. **Check for Leaks:** Turn on the CO2 supply and carefully check for any leaks around the reassembled section. Small bubbles indicate a leak that needs to be addressed by re-tightening or re-seating the gasket/disc.

OPERATING CONSIDERATIONS

Once installed, the new ceramic disc will begin diffusing CO2. It may take a few hours for the disc to become fully saturated and produce the finest bubbles. During this initial period, larger bubbles may be observed. This is normal. Ensure your CO2 system is set to deliver the appropriate bubble count for your aquarium size and plant requirements. Refer to your main CO2 system manual for guidance on CO2 dosing.

MAINTENANCE

Regular maintenance of the ceramic disc is essential for optimal CO2 diffusion.

- **Cleaning:** Over time, algae and biofilm can clog the pores of the ceramic disc, reducing diffusion efficiency. Clean the disc periodically (e.g., every 2-4 weeks, depending on algae growth) by soaking it in a Dennerle Clean solution or a diluted bleach solution (1 part bleach to 10 parts water) for several hours. Rinse thoroughly with dechlorinated water before reinstallation.
- **Gasket Inspection:** Inspect the gasket for signs of wear, cracking, or hardening during cleaning. Replace the gasket if any damage is observed to prevent leaks.
- **Replacement Frequency:** The ceramic disc and gasket are wear parts. While cleaning can extend their life, they should be replaced when cleaning no longer restores fine bubble production or if the gasket shows significant degradation. Typical replacement might be every 6-12 months, but this can vary based on water parameters and maintenance frequency.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Large CO2 bubbles / Poor diffusion	Clogged ceramic disc pores (algae/biofilm)	Clean the ceramic disc as described in the Maintenance section.
CO2 leaks from the unit	Improperly seated gasket, damaged gasket, or loose connection	Ensure the gasket is correctly seated. Replace the gasket if damaged. Tighten the unit connections.
No CO2 bubbles	CO2 supply issue, completely clogged disc, or incorrect installation	Check CO2 cylinder and regulator. Clean or replace the disc. Re-check installation steps.

SPECIFICATIONS

Product Name: Dennerle Micro-Perler Ceramic Disc and Gasket

Model Number: 3073

Part Type: Replacement Ceramic Disc and Gasket

Compatibility: Dennerle Micro-Perler CO2 Diffuser Systems

Dimensions (L x W x H): 11.4 x 5 x 0.5 cm (4.5 x 2 x 0.2 inches)

Weight: 6 grams (0.21 oz)

Material: Ceramic (disc), Rubber/Silicone (gasket)

WARRANTY AND SUPPORT

Information regarding specific warranty terms for replacement parts is typically provided with the original Dennerle Micro-Perler system or can be found on the official Dennerle website. For further assistance, technical support, or to inquire about warranty details, please contact Dennerle customer service directly or visit their official website.

Dennerle Official Website: www.dennerle.com

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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.

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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