

INSTRUCTION MANUAL

Model 500
Aquariums up to 500 L / 132 US Gal
Reaction Chamber Volume 5 L



IMPORTANT SAFETY INSTRUCTIONS

- 1. READ & FOLLOW ALL SAFETY INSTRUCTIONS** and all the important notices on the product before using. Failure to do so may result in the loss of fish life and/or damage to the product.
- 2. WARNING** - Close supervision is necessary when any product is used by or near children. This product is not a toy.
- 3. CAUTION** - Unplug or switch off all appliances in the aquarium before carrying out maintenance.
- This product is a low-pressure Bio-CO₂ system for use in ornamental household aquariums only. Do not use this product for other than intended use. The use of attachments not recommended or sold by the product's manufacturer may cause an unsafe condition and will invalidate your warranty.
- This unit is designed for use in freshwater aquariums only with a maximum depth of 60 cm / 24". Model 500 is rated for aquariums up to 500 L / 132 US Gal.
- Do not clean unit, or any parts of it in the dishwasher. It is not dishwasher safe.

CO₂ System Set Up

- To open Reaction Chamber lid and release locking clamps, press down on Pressure Release Valve while simultaneously turning handle.
- Unscrew and remove Spare Gasket (L). This is a replacement part for Gasket (B) in step 5.
- Fill Bubble Counter with tap water to 3/4 capacity.
- Screw Bubble Counter top back on.
- Before installing Bubble Counter, ensure Gasket is seated properly on Precision Valve top channel.
- Screw the Bubble Counter into place.
- Add 1000 g (1200 ml / 4 cups) granulated white sugar (sold separately) to Reaction Chamber.
- Add warm (not hot) tap water with a temperature of 80-85°F / 27-30°C to canister interior fill line.
- Add 4 Booster packets and 4 Activator packets to Reaction Chamber.
- To close Reaction Chamber lid, ensure locking clamps are fully open before placing lid on unit. Press down on lid while rotating handle to ensure a proper seal.
- Loosen locking screw, feed Airline Tubing through to top of Bubble Counter.
- Retighten locking screw.
- Attach Airline Tubing to Nano Bubble Diffuser.
- Position Nano Diffuser within bottom half of aquarium in an area with strong water movement to ensure even CO₂ distribution.
- Measure Airline Tubing and cut to appropriate length, ensuring a straight path from aquarium edge to Bubble Counter without kinks or loops.
- Install Check Valve outside of aquarium, about halfway between Bubble Counter and top of aquarium. Ensure black side of Check Valve is facing upward.
- With the Precision Regulator fully closed, allow 24 hours for CO₂ fermentation period. Once completed, open Precision Regulator and adjust as needed. Recommended room temperature should be between 68-72°F / 20-22°C. Low-voltage solenoid valve (F) with power supply (M) for overnight shut-off. Use with a timer (not included) for automatic functionality.

CO₂ System Recharging



IMPORTANT: Any pressure within the Bio-CO₂ system Reaction Chamber must be released prior to opening the lid. To do so, press down on the Pressure Release Valve (red button) while simultaneously turning the lid handle counterclockwise.

- Remove Reaction Chamber lid.
- Empty all interior contents down a drain (100% biodegradable).
- Thoroughly rinse out Reaction Chamber and dry using a soft cloth (do not use soap or detergent).
- Repeat set up steps 6-9.



- Align appropriate adapter with power supply, turning it slightly counterclockwise until it fits within locking channel.
- Once inserted in power supply locking channel, turn adapter clockwise until you hear a click to confirm it's locked in place.
- To remove, press down on the unlock button (A), turn adapter counterclockwise and pull away from power supply.

CUSTOMER SUPPORT

If you have any questions or need help operating this product, please contact our Customer Support team before returning it to your retailer. Most inquiries can be resolved promptly with a phone call. Please have all relevant information available (i.e. model number, age of product, details of your aquarium set-up, etc.).

CALL US TOLL-FREE

Canada only: 1-800-554-2436 between 8 AM and 4:30 PM Eastern Standard Time.

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U.S. only: 1-800-724-2436 between 9 AM and 4 PM Eastern Standard Time.

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2 YEAR STANDARD WARRANTY

The Fluvial Bio-CO₂ System is guaranteed for defective parts and workmanship for a period of 2 years from the date of purchase. This guarantee is valid with proof of purchase only. The guarantee is limited to repair or replacement only and does not cover consequential loss, loss or damage to livestock and personal property or damage to animate or inanimate objects, irrespective of the cause thereof. This guarantee is valid only under normal operating conditions for which the unit is intended. It excludes any damage caused by unreasonable use, negligence, improper installation, tampering, abuse or commercial use. The warranty does not cover wear and tear or parts which have not been adequately or correctly maintained. **THIS DOES NOT AFFECT YOUR STATUTORY RIGHTS.**

BONUS +2 YEARS EXTENDED WARRANTY

LIMITED TIME OFFER! Register this product online within 30 days of purchase and Fluvial will extend your current warranty at no charge. The extended warranty is subject to provisions outlined within the standard Fluvial warranty. Complete details and registration available at:

FluvialAquatics.com/warranty

