

LOW-PRESSURE
CO₂ SYSTEM

FLUVAL

BIO-CO₂^{PRO}

Model 125 / 250

PLANT

INSTRUCTION
MANUAL

| Model 125 | Model 250 |
|--------------------------------------|--------------------------------------|
| Aquariums up to 125 L / 33 US Gal | Aquariums up to 250 L / 66 US Gal |
| Reaction Chamber Volume 1 L | Reaction Chamber Volume 2 L |

Model 125

1. Bubble Counter

2. Gasket

3. Precision Regulator

4. Pressure Release Valve

5. Stainless-Steel Reaction Chamber

6. Nano Bubble Diffuser

7. Check Valve

8. Booster x 1

9. Activator x 1

10. Airline Tubing

11. Spare Gasket

Model 250

1. Bubble Counter

2. Gasket

3. Precision Regulator

4. Pressure Release Valve

5. Stainless-Steel Reaction Chamber

6. Nano Bubble Diffuser

7. Check Valve

8. Booster x 2

9. Activator x 2

10. Airline Tubing

11. Spare Gasket

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.

4. 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.

5. This unit is designed for use in freshwater aquariums only with a maximum depth of 60 cm / 24".
Model 125 is rated for aquariums up to 125 L / 33 US Gal.
Model 250 is rated for aquariums up to 250 L / 66 US Gal.

6. Do not clean unit, or any parts of it in the dishwasher. It is not dishwasher safe.

CO₂ System Set Up

1

Unscrew and remove Spare Gasket #11. This is a replacement part for Gasket #2 in step 4.

2

Fill Bubble Counter with tap water to 3/4 capacity.

3

Screw Bubble Counter top back on.

4

Before installing Bubble Counter, ensure Gasket is seated properly on Precision Valve top channel.

5

Screw the Bubble Counter into place.

6

Model 125: Add 1 Booster packet & 1 Activator packet
Model 250: Add 2 Booster packets & 2 Activator packets

7

Add granulated white sugar (sold separately)
Model 125: Add 250 g / 300 ml / 1 1/4 cups
Model 250: Add 500 g / 600 ml / 2 1/2 cups

8

Add tap water (80 - 85 °F / 27 - 30 °C) to canister interior fill line.

9

Hand-tighten Reaction Chamber lid and ensure Precision Regulator is fully closed.

10

Loosen locking screw, feed Airline Tubing through to top of Bubble Counter.

11

And then retighten locking screw.

12

Attach Airline Tubing to Nano Bubble Diffuser.

13

Position Nano Diffuser within bottom half of aquarium in an area with strong water movement to ensure even CO₂ distribution.

14

Measure Airline Tubing and cut to appropriate length, ensuring a straight path from aquarium edge to Bubble Counter without kinks or loops.

15

Install Check Valve outside of aquarium, about halfway between Bubble Counter and top of aquarium. Ensure black side of Check Valve is facing upward.

16

With the Precision Regulator fully closed, allow 24 hours for CO₂ fermentation period. Once completed, open Precision Regulator and adjust as needed.

CO₂ System Recharging

IMPORTANT: As a pressurized system, Precision Regulator must be fully opened to completely exhaust CO₂ supply and facilitate opening Reaction Chamber lid.

1. Remove Reaction Chamber lid.

2. Empty all interior contents down a drain (100% biodegradable).

3. Thoroughly rinse out Reaction Chamber and dry using a soft cloth (do not use soap or detergent).

4. Repeat set up steps 6-9.

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 setup, etc.).

CALL US TOLL-FREE

Canada only: 1-800-554-2436 between 8 AM and 4:30 PM Eastern Standard Time.
Rolf C. Hagen Inc., 20500 Trans Canada Hwy, Baie-D'Urfé, QC, H9X 0A2

U.S. only: 1-800-724-2436 between 9 AM and 4 PM Eastern Standard Time.
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Rolf C. Hagen (UK) Ltd, Customer Service Department California Drive, Whitwood Ind Est., Castleford West Yorkshire WF10 5QH

3 YEAR STANDARD WARRANTY

The Fluvial Bio-CO₂- System is guaranteed for defective parts and workmanship for a period of 3 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

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