E-mail: distributor@hyggeraquarium.com Website: www.hyggeraquarium.com

HC045 USER MANUAL

Hygger CO2 Disposable Generator Kit

Support
E-mail: co2@hygger-online.com

PRODUCT OVERVIEW

Designed specifically for planted and aquascape tanks, this product features a disposable cartridge and solenoid valve. It combines convenience, safety, and precision to maintain stable CO2 levels, boosting photosynthesis while keeping your fish and shrimp safe.

1. PRODUCT FEATURES

Easy to Use
Safe & Reliable
Precision Timing
Built to Last

2. PACKING LIST

Main Unit x1
Bubble Counter x1
80g CO2 Cylinder x1
Solenoid Valve x1
Air Tube x1
U-Shape Tube x1
Suction Cup Clip x3
In-line Suction Cup x1
CO2 Diffuser x1
Small O-ring (Spare) x1
Check Valve x1
Adapter x1
Base x1
User Manual x1

3. ASSEMBLY DIAGRAM

1 Main Unit
2 Bubble Counter
3 80g Co2 Cylinder
4 Solenoid Valve

5 Air Tube
6 U-shape Tube
7 Suction Cup Clip
8 In-line Suction Cup
9 Co2 Diffuser
10 Base
11 Small O-ring (Spare)
12 Check Valve
13 Adapter

4. INSTALLATION STEPS

1. Close the fine adjustment valve.

2. Remove the cylindrical sleeve.

3. Screw the CO2 cylinder onto the valve.（Use a cloth to assist with installation if needed）
After success, the pressure gauge will display the internal pressure value

Note: Ensure the O-ring is in place on the CO2 cylinder onto the valve before installation

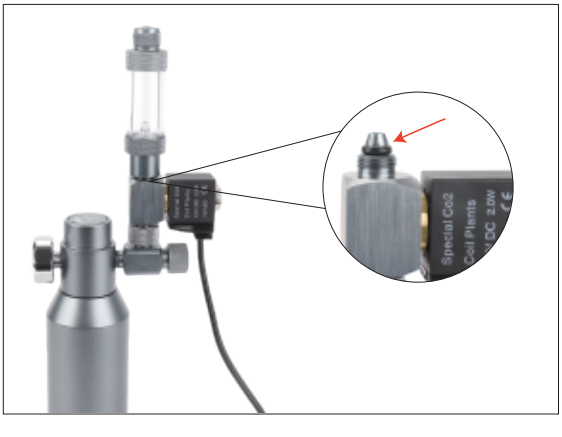
5. Reinstall the cylindrical sleeve to ensure the cylinder stands vertically.

6. Attach the base to the cylindrical sleeve

7. Attach the solenoid valve to the needle valve.

Note: Ensure the small O-ring is in place on the needle valve before installation.

8. Mount the bubble counter onto the solenoid valve.



9. Unscrew the bubble counter's cap and fill it two-thirds full with water.

10. Cut the tube to the desired length, then connect the check valve, U-shaped tube, and diffuser using the tubing. Note: Install the check valve in the direction of the arrow to avoid reverse installation.

11. Loosen the nut on the bubble counter and connect the air tube to it.

12. Secure the diffuser to the suction cups and place it inside the aquarium.

13. Turn the fine adjustment valve counterclockwise to set the CO2 output to 1 bubble per second. Adjust the bubble rate higher or lower as needed.

5. ATTENTIONS

1.Before use, carefully read this manual to ensure proper operation.

2.The solenoid valve requires a timer for operation. (Note: Timer is not included.)

3.Regularly check the sealing performance of the pressure regulator. If gas leaks or malfunctions are detected, promptly replace the seals or perform repairs.

4.Never exceed the adapter's rated working pressure to prevent hazardous conditions.

5.Although carbon dioxide is non-flammable, high temperatures may cause pressure buildup inside the cylinder, posing an explosion hazard.

6.Keep out of reach of children to prevent accidental operation or ingestion.

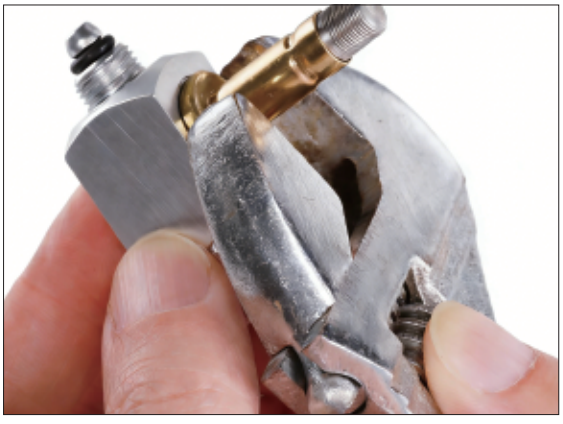
7.Prevent leaks: If a leak is detected during use, immediately shut off the valve, evacuate personnel, and move the cylinder to a well-ventilated area.

8.Always keep the cylinder upright during use. Do not lay horizontally or invert, and avoid severe impacts.

6. TROUBLESHOOTING

Issue 1: Solenoid valve powered but fails to release gas.
Solution:
1.Disconnect the solenoid valve from power supply first, then close the fine adjustment valve.
2.Remove the bubble counter, followed by detaching the solenoid valve.

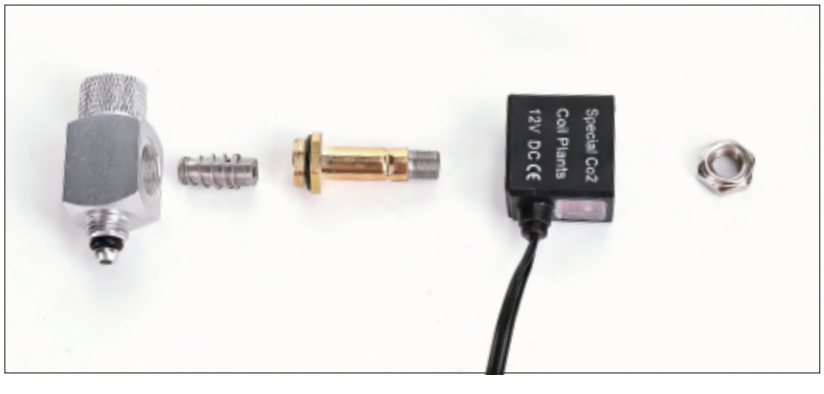
3.Unscrew the nut on the solenoid valve, then vent residual gas (audible hissing sound).



4.Reinstall the copper rod and solenoid valve, and then reattach bubble counter to the solenoid valve.
5.Reconnect the adapter, then open the fine adjustment valve..

Issue 2: Gas leakage persists after solenoid valve de-energization.

Residual gas discharge post-poweroff is normal. Verify actual valve failure via: First, disconnect bubble counter tubing, open the micrometering valve, close the solenoid valve, and inspect for continued bubble formation. No bubbles = Normal operation | Continued bubbles = Proceed to troubleshoot.
1.Deactivate the solenoid valve power, then close the fine adjustment valve.
2.Remove the bubble counter, then detach the solenoid valve.
3.Unscrew the nut on the solenoid valve, remove it, and unscrew the copper rod. Inspect the rubber seal surface for debris, clean thoroughly, stretch the spring slightly, and reassemble.



4.Reinstall the copper rod and solenoid valve, then attach the bubble counter to the solenoid valve.
5.Reconnect the adapter, and open the fine adjustment valve.

7. HYGGER LIMITED MANUFACTURER'S WARRANTY

We offer the end user of this product a manufacturer warranty of 3 (2) years from the date of sale if this product was purchased from a Hygger®-authorised specialist dealer.

Retain receipt for any future warranty claim. Conditions apply. Products are guaranteed by Hygger® Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period up to 3 (2) years from the date of the original purchase through an Authorized Dealer. Refer to the User Manual included with your product for specific warranty details.

Products have no warranty if:

1.) The product has been serviced, modified or tampered with by anyone other than Hygger® Aquatic Supplies.
2.) The product has been abused or damaged (including broken or cracked bulbs), and/ or.
3.) The product has been transported without proper packaging.
4.) The product was purchased from an Unauthorized Reseller.

WARRANTY LIABILITY DISCLAIMER

In no event will Hygger® be liable for any consequential or incidental damages, including but not limited to, lost aquatic life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of any Hygger® products.

1.0. Terms and Conditions of Warranty.
1.1. Hygger® warrants to the purchaser, for 3 (2) years from date of original purchase through an Authorized Hygger® Reseller, free to repair or replace parts where fault is found due to defective materials or faulty workmanship and where goods do not operate in accordance with the instructions.
1.2. All claims for repair or replacement must be made at place of purchase.
1.3. Only the direct purchaser is entitled to warranty claims against us and these are not transferable without our consent.
1.4. The original and dated Proof of Purchase (receipt) must be supplied with all goods claims. Please also provide this Guarantee where possible.
1.5. Wear parts (e.g.: seals, suction devices, axes, pump wheels, light sources, pH electrodes, filter media, such as filter cartridges, as well as UVC burners), glass damage and the opening of the product, as well as structural changes or the use of non-Hygger® original parts are excluded from the guarantee.
1.6. All goods subject to claim under Guarantee should be prepared for transportation in the original packaging or other comparable packaging which offers the same degree of protection and Hygger® must incur no costs from the shipment.
1.7. Where claims on inspection reveal goods are in normal working order, Hygger® will request reimbursement of all reasonable costs incurred.
1.8. Warranty claims do not exist in the case of only insignificant deviations from the agreed or customary condition or usability, e.g. insignificant deviations in colour, dimensions and/or quality or performance characteristics of the products.

1.9. Our warranty obligation extends only to the delivery of newly manufactured products. Unless otherwise agreed, used products are sold as seen, excluding any warranty.

For more warranty information, please see the hygger website.

8. CONTACT INFORMATION

Distributed by: Hygger Aquarium, Inc.
13941 Magnolia Ave, Chino, CA 91710

E-mail: distributor@hyggeraquarium.com
Website: www.hyggeraquarium.com

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Have a question? We're here to help:
Mon-Fri: 9:00 am - 5:30 pm PST Sat-Sun: Closed

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