



E-mail: distributor@hyggeraquarium.com

Website: www.hyggeraquarium.com



CO₂ Regulator User Manual

Support

E-mail: service@hygger-online.com



1. INTRODUCTION

This product combines a CO₂ regulator and solenoid valve designed for aquariums. It can accurately control the output pressure and flow rate of CO₂ to create a suitable growth environment for aquatic plants in the aquarium. At the same time, the solenoid valve makes the operation more convenient and safe.

Adapter parameters

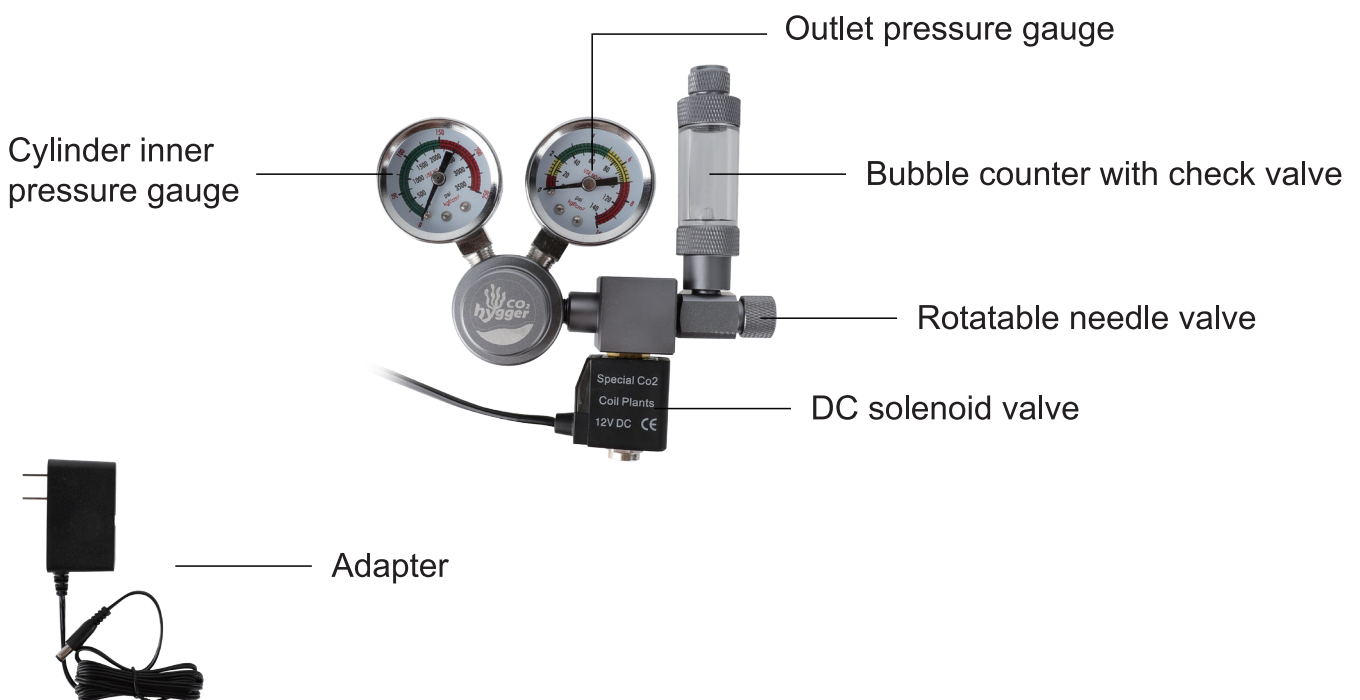
Input voltage: AC100-240V/50-60Hz

Output voltage: DC12V

2. PACKING LIST

- 1x Regulator
- 1x Bubble counter
- 1x Adapter
- 1x Spare sealing ring
- 1x User manual

3. ASSEMBLY



INSTALLATION STEPS:

1. Make sure that the CO₂ cylinder is closed, connect the CO₂ cylinder to the CO₂ regulator and tighten it with your hands.



2. Connect the solenoid valve and the adapter.



3. Turn on the switch (to be used with a timer).



4. Close the rotatable needle valve.



5. Open the cylinder valve switch.



6. Fill about 2/3 of the water volume to the bubble counter and then install the bubble counter on the regulator.



7. Connect the Bubble Counter with the CO₂ Diffuser using the air hose, and then adjust the rotatable needle valve to deliver appropriate amount of air.



4. ATTENTIONS

1. Please read this user manual carefully before use to ensure correct operation.
2. Regularly check the tightness of the CO₂ regulator and the reliability of the solenoid valve; in the event of leaks or faults, the seals should be replaced or repaired in good time.
3. To avoid danger, the CO₂ regulator must not be operated beyond its rated working pressure.
4. When adjusting the pressure, always exercise caution to prevent harm to the aquarium's living creatures due to sudden pressure changes.
5. The control devices of the solenoid valve must be adjusted appropriately and used to ensure that the carbon dioxide supply meets the aquarium's needs.
6. When you need to interrupt the carbon dioxide supply, follow these steps for safe operation: first, close the valve of the CO₂ cylinder, then close the valve of the device connected to the regulator in the aquarium. If a control unit is present, switch it off as well.

5. TROUBLESHOOTING

Error 1: The solenoid valve is energized, but no air comes out.

Solution:

1. First, disconnect the power supply, then close the CO₂ cylinder valve.
2. Unscrew the nut and remove the solenoid valve.



3. Unscrew the copper rod to remove the gas from inside (you will hear the sound that releases the air)



Error 2: The solenoid valve is disconnected from the power supply, but the air is still escaping. Residual gas will still escape from the valve after the solenoid valve is switched off, which is normal. To determine whether the solenoid valve is malfunctioning, you can first disconnect the air hose from the bubble counter, open the rotatable needle valve, close the solenoid valve, and check whether bubbles are still present; no bubbling is normal. If it is still bubbling, proceed as follows:

Solution:

1. First, disconnect the power supply, then close the CO₂ cylinder valve.
2. Unscrew the nut and remove the solenoid valve.
3. Unscrew the copper rod, check the surface of the rubber ring for foreign objects, remove the foreign objects, and then stretch the spring and put it back in place.



4. Install the copper rod and the solenoid valve.
5. Turn on the power and open the valve of the CO₂ cylinder.

6. 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.

7. 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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USA Call: +1 (909) 590-2880
Mon-Fri: 9:00 am - 5:30 pm PST Sat-Sun: Closed



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