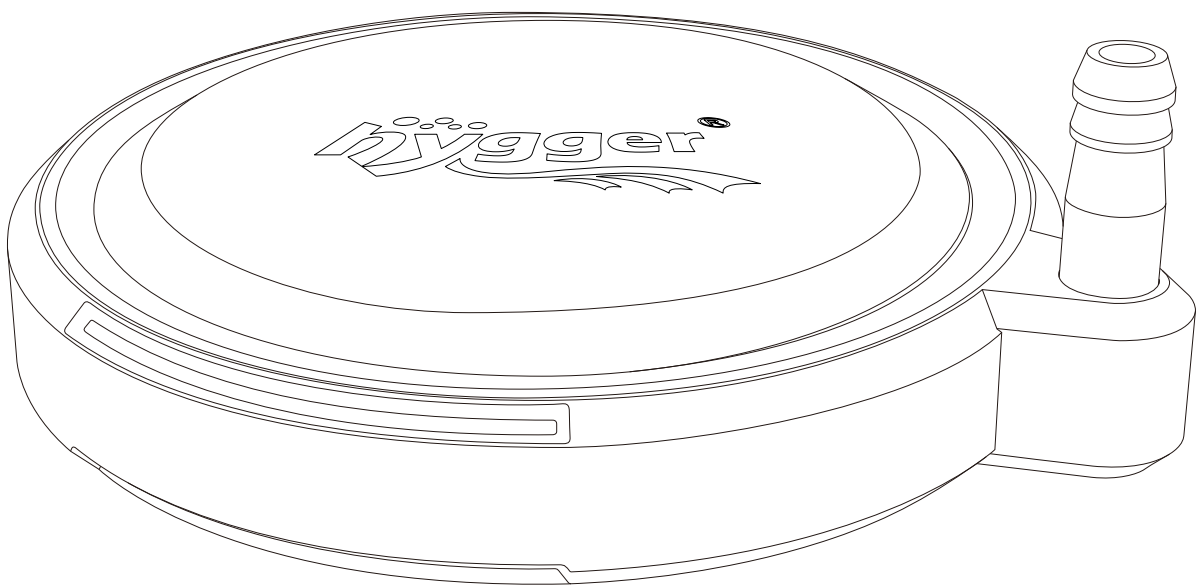




HG220 USER MANUAL

hygger Ultra-Density Hole Air Stone Kit



hygger Ultra-Density Hole Air Stone Kit is an oxygenation device for aquariums and fish tanks. It enhances the dissolved oxygen levels in water by refining air bubbles and serves a decorative purpose.

1. PRODUCT FEATURES

- **High-efficiency Bubble Refinement:** Utilizing nano materials to generate dense and even bubbles, significantly enhancing oxygen dissolution efficiency while creating a beautiful bubble curtain effect, making the aquarium landscape more attractive.
- **Easy Installation:** The self-weight design ensures stability at the bottom, preventing drifting due to water flow or fish movement while maintaining even bubble distribution. Suitable for various aquarium types.
- **Durable and Easy to Maintain:** Engineered with corrosion-resistant, high-temperature sintered materials featuring aging resistance and anti-clogging properties, ensuring high efficiency throughout long-term use.
- **Multi-functional Adaptability:** The stainless steel air nozzle is compatible with various oxygen pumps, making it suitable for freshwater aquariums, saltwater aquariums, and amphibious eco-aquariums. It effectively meets the oxygenation needs of diverse aquatic organisms, including fish, shrimp, and other aquatic life.

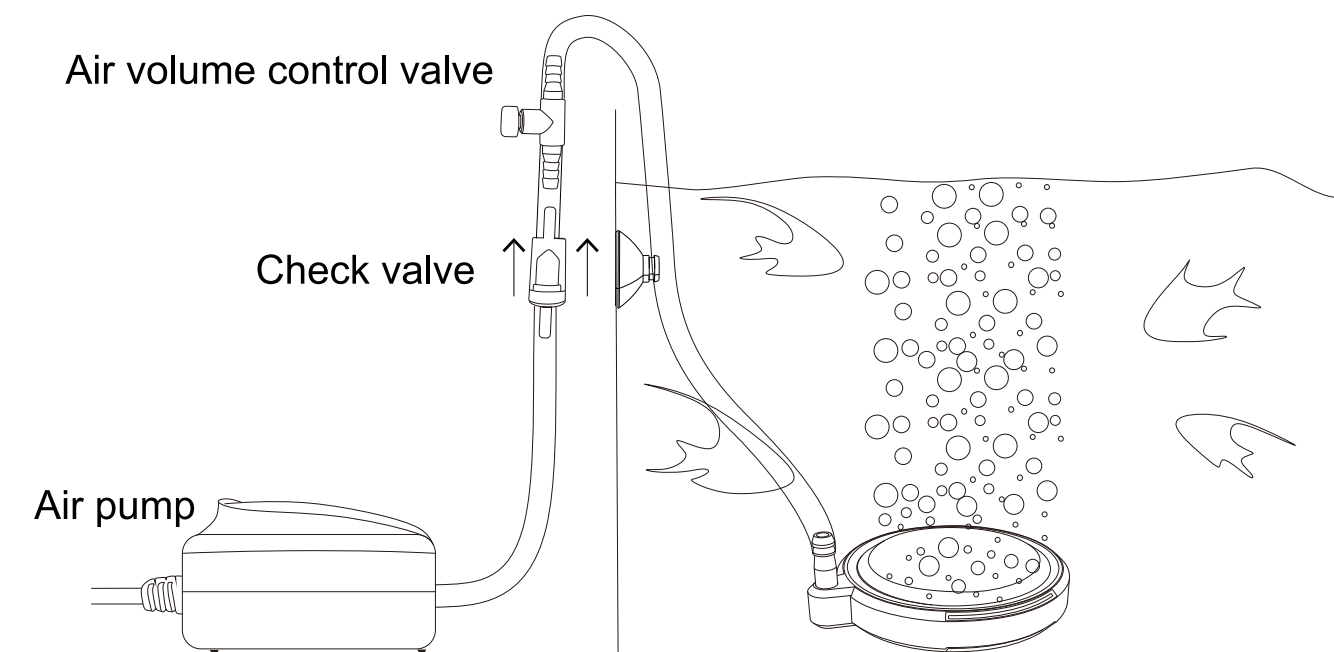
2. PRODUCT SPECIFICATIONS

Model	Product diameter	Applicable aquarium (length)	Applicable aquarium (size)	Air tube caliber	The required power of the air pump
HG220-5CM	5cm/ 1.97inches	<24inches (60cm)	<25Gal (96L)	4mm	≥2.5W
HG220-5CMx2	5cm/ 1.97inches	<24inches (60cm)	<25Gal (96L)	4mm	≥2.5W
HG220-8CM	8cm/ 3.15inches	24-47inches (60-120cm)	25-80Gal (96-300L)	4mm	≥4W
HG220-10CM	10cm/ 4inches	31-63inches (80-160cm)	33-140Gal (126-528L)	4mm	≥5W

3. INSTRUCTIONS FOR USE

1. Before the first use, soak the bubble tray in water for approximately 2 hours.
2. Cut the air pipe to an appropriate length as required and connect the check and air volume control valves.
3. Connect both ends of the air tube to the air pump and the air stone respectively.
4. The suction cup clip secures the air tube to the aquarium wall; the Y-shaped shunt connector can split and merge the airflow from the air pump.
5. Clean regularly with a brush, as air stones tend to become clogged after several weeks or months of use.

Installation Diagram



4. ATTENTIONS

- For better aeration, the air stone should be soaked in water for 1 to 2 hours before use.
- Please install a check valve when installing the air pump to prevent water backflow and potential damage to the pump.
- The air pump is not included. It is recommended that the air stone be cleaned every two months to prevent clogging and maintain optimal oxygen dissolution efficiency.
- If the water depth exceeds 80 centimeters, the air pump pressure should reach 0.018 MPa, with an optimal pressure range of 0.020–0.03 MPa.

5. TROUBLESHOOTING

1)No airflow output: Check whether the check valve is installed backwards or the air pump power is too low.

2)Uneven airflow output: Adjust the air pump to the maximum setting and properly reconnect the air tube to ensure a clearer bubble output effect.

3)Airflow output with large air bubbles: Use the air stone for 1-2 days to restore normal operation.

6. PACKING LIST

HG220-5CM	HG220-5CMx2	HG220-8CM	HG220-10CM
1x Air stone	2x Air stone	1x Air stone	1x Air stone
1x Check valve	2x Check valve	1x Check valve	1x Check valve
1x Air tube	2x Air tube	1x Air tube	1x Air tube
2x Suction cup	4x Suction cup	2x Suction cup	2x Suction cup
1x Air volume control valve	2x Air volume control valve	1x Air volume control valve	1x Air volume control valve
1xconnector	2xconnector	1xconnector	1x connector
1x User manual	1x User manual	1x User manual	1x User manual

7. CONTACT INFORMATION

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

Contact us at www.hygger-online.com
Email: mago@hygger-online.com

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EC	REP	Company: E-CrossStu GmbH Address: Mainzer Landstr.69,60329 Frankfurt am Main E-mail: e-crossstu@outlook.com Tel: +49 69332967674
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UK	REP	CET Product Service Ltd. Beacon House Stokenchurch Business Park,Ibstone Rd,Stokenchurch High Wycombe HP14 3FE UK info.cetservice@gmail.com +447419325266
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