



Instruction Manual

Air Pump for Aquarium

AP2100, 2400, 2800

TENYON
Shenzhen Tenyon Technology Co., Ltd.

Thanks for buying this product. To ensure you use the product safely and correctly, please read thoroughly this instruction before use.

Please note that we are not responsible for any failure caused by misuse or improper maintenance. Save this instruction for future use.

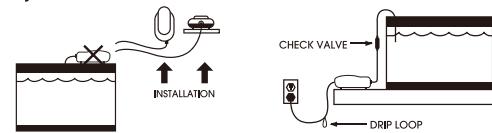
Important Safety Cautions

- **NEVER PLACE THE AIR PUMP IN WATER.**
- Please operate the appliance under the rated voltage and frequency indicated on pump rating label or instruction manual.
- This pump is solely intended to pump air. DO NOT use for oil, solvents, or any petroleum products.
- DO NOT pull the power cord to move the pump.
- DO NOT change plug or shorten power supply cord by yourself.
- Always use a properly grounded AC outlet. DO NOT immerse the pump's plug in water or attempt to plug in a wet plug.
- Always unplug the unit from its power sources before installing or servicing. Should the unit appear to be not working, DO NOT attempt to reach, remove, or disassemble before disconnecting from the power source.

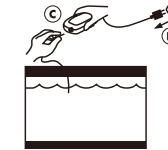
Warning: In case the pump falls into the water, cut off the power before any further action is taken.

Installation

1. **PLACE THE PUMP IN A DRY AND WELL VENTILATED PLACE, WHERE IT WILL NOT BE EXPOSED TO WATER OR MOISTURE.**
2. Make sure the air pump is placed above water level. If the air pump is placed below water level, a check valve should be used to avoid the water in the aquarium from backflow. The check valve is included in the package. To use the check valve, cut the airline tubing into 2 pieces, connect one piece to the inlet of the check valve, and another piece with the outlet of the check valve. Make sure the direction (inlet and outlet) is correct as the check valve only allows air to flow one-way.



3. Provide a "drip loop" for the line cord. This is a loop in the cord below the level of the receptacle or plug that prevents water from travelling along the cord in the direction of the receptacle.
4. Connect one side of the air tubing to the air outlet of the air pump; then connect the other side to the air stone. Position the air stone at the desired place in the aquarium tank.



5. For the big models AP2400 and AP2800, turn the control knob (air flow adjuster) to get the desired air flow.

Maintenance

Caution: Before the maintenance, make sure the below is strictly followed.

1. Disconnect the tubing from the pump;
2. Then unplug pump.

Cleaning of the anti-dust filter

The air pump doesn't need any particular maintenance. However, periodical cleaning of the anti-dust filter, which is positioned in front of the air intake, is needed. The filter is a small piece of wool pad. Simply blow it with blower, or tap it gently.

If the filter gets too dirty, replace it with the replacement filters included in the package.

For AP2100, the filter is at the bottom.

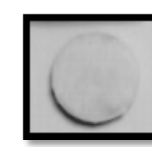
For AP2400 / 2800, the filter is at the back next to the power cord.



For AP2100, the filter is at the bottom.



For AP2400 / 2800, the filter is at the back next to the power cord.



The filter

Replacing the pump membrane

If there is a notable decrease of air output, the pump membrane and the related parts might need to be replaced. Check with your retailer for the availability of the membrane. The availability of the membrane will be dependent on regulation of the local laws as in some countries the users are not allowed to do the self-maintenance.

Technical Data

MODEL	VOLT./FREQ.	POWER	MAX FLOW	PRESSURE
AP2100	120V/60Hz	1W	50GPH	0.02MPa
AP2400	120V/60Hz	4W	120GPH	0.02MPa
AP2800	120V/60Hz	8W	200GPH	0.02MPa