

VIVOSUN



Aquarium Air Pump

USER MANUAL

Love what you grow™

Welcome to **VIVOSUN**

Thank you for choosing VIVOSUN. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us.

PRODUCTS INCLUDED IN THIS MANUAL:

| Product | SKU | Output | Flow Rate |
|-----------------------|------------|---------------|------------------|
| Aquarium Air Pump 15W | AP-15 | 20 L/min | 317GPH |
| Aquarium Air Pump 25W | AP-25 | 40 L/min | 634GPH |
| Aquarium Air Pump 40W | AP-40 | 70 L/min | 1110GPH |
| Aquarium Air Pump 55W | AP-55 | 90 L/min | 1427GPH |

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PRODUCT INTRODUCTIONS

PREFACE

Thank you for choosing the VIVOSUN aquarium air pump. For better performance and safety, please read this manual carefully and keep it for future reference. We hope this air pump helps you achieve whatever goals you have set out.

USE CASES

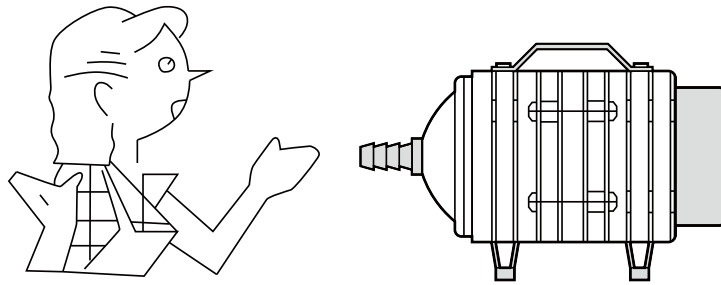
This pump is most commonly used for oxygenating aquatic spaces like aquaponics, fish farms, tanks, and seafood restaurant tanks. This device is also useful for providing air to industrial machinery and for mixing or belching paint, manufacturing neon, and for circulating pools.

FEATURES

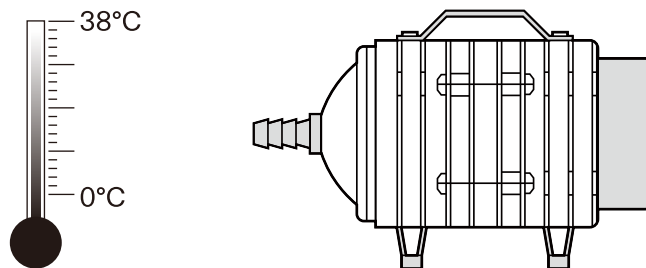
1. Operates without oil at low noise and with no air pollution.
2. Crafted with quality materials that are strong, durable, and resist wear and tear.
3. This pump can manage up to twenty-two outlets simultaneously.
4. Excellent for providing oxygen to various aquatic spaces.

SAFETY INFORMATION

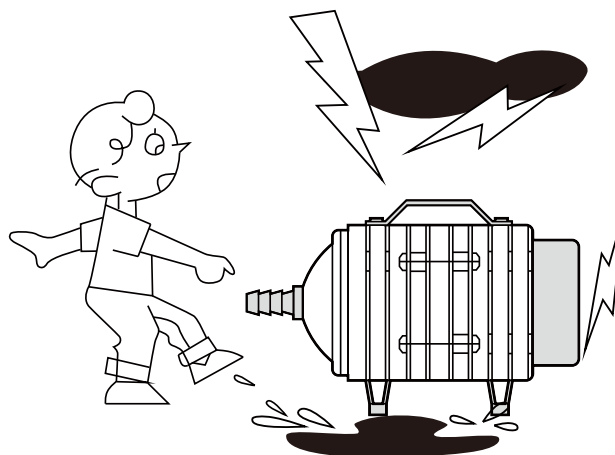
1. The voltage should be at 110V AC, otherwise the pump will not function normally and may degrade quickly.



2. Please ensure the environmental temperature ranges between 0 - 38°C and in an area that has proper ventilation. Ensure the ambient temperature does not get too high, or the device could overheat.

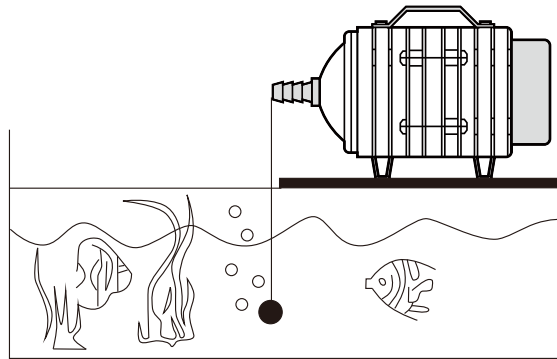


3. Before using this pump, ensure the pump is properly grounded. Do not touch the device with wet hands and do not operate the pump if it has been in water, is exposed to water, or is wet. This device is not designed to get wet.

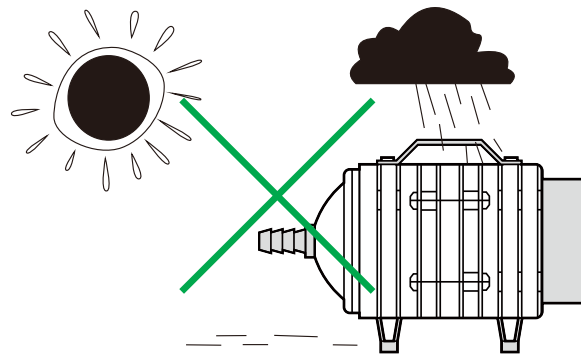


SAFETY INFORMATION

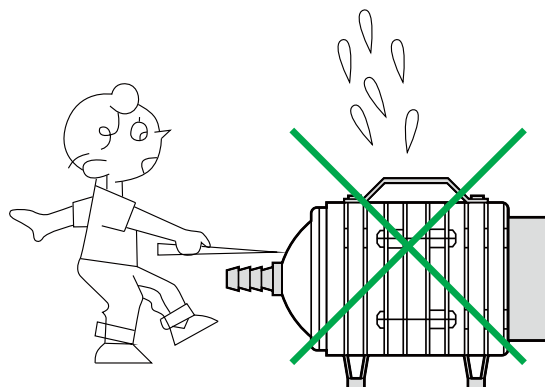
- The pump must be installed on a flat surface to operate properly at 30cm above the water level. Ensure that the pump is kept immovable in order to prevent liquid from flowing into the pump, which would damage or destroy the device.



- If the pump is installed outdoors, please ensure that the pump is protected from rain or direct sunlight. The exterior (and interior) of the pump must always be kept dry. Additionally, UV rays will degrade the pump.

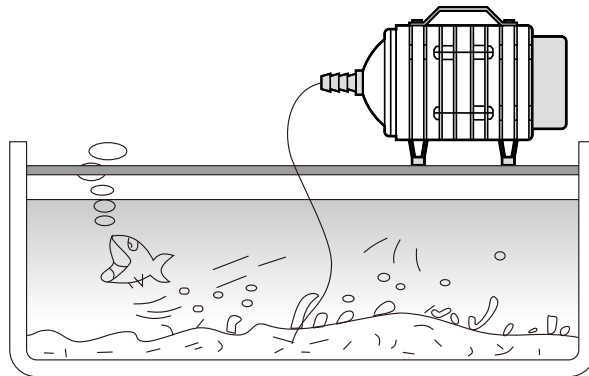


- Do not add oil to the pump. Do not allow the pump to get wet. Do not hit, poke, or knock the pump against anything, this may damage or destroy the pump.

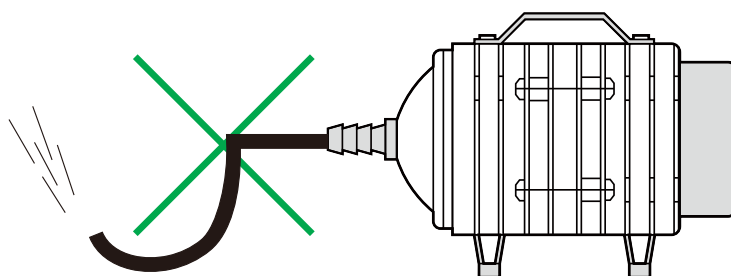


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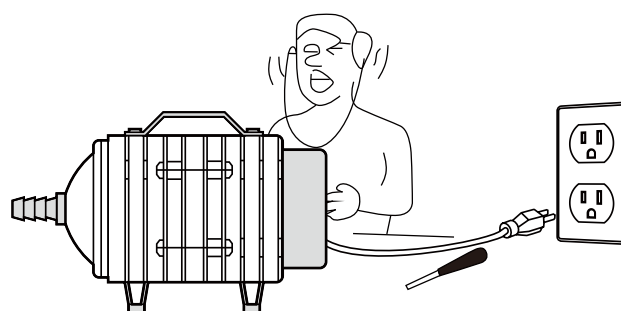
7. For better air solubility, place your air stones or air bars at the bottom of your tank and spread them out evenly across the base of your tank.



8. The length of the tube connecting your air pump to the air stone should not be less than 85% of the length of the air pump. Ensure that any tubing connected to the pump does not have right angles – tubing should have smooth curves rather than right angles.



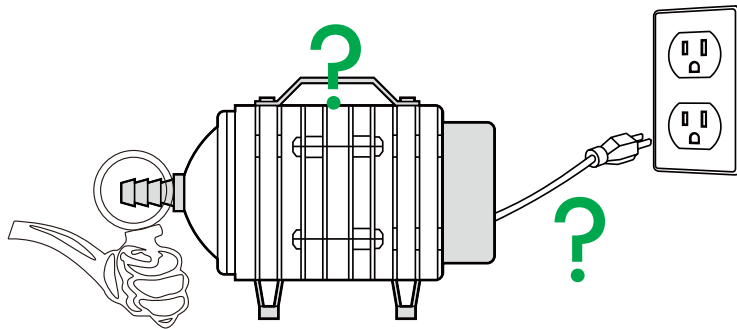
9. If your air pump isn't operating at full capacity, please check the following:
- Whether the voltage is correct
 - Whether the air filter, tubing, or joints are broken, leaking, or clogged
 - Whether the pump valve is broken or clogged
 - Whether the pump is located in the correct location – if it is in a warm area then you may be losing operating capacity to heat dissipation and management.



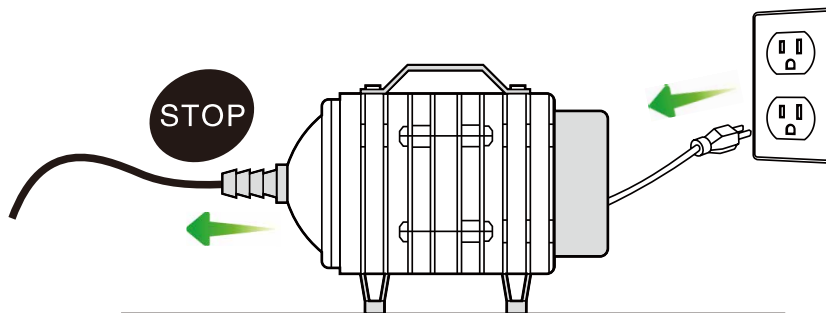
SAFETY INFORMATION

10. If your pump stops working, please check the following:

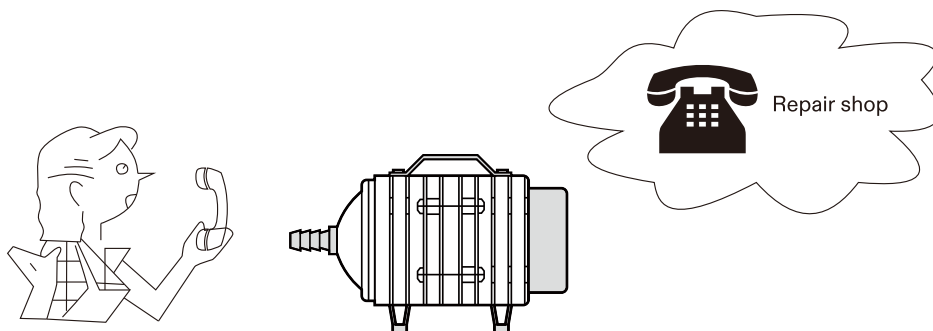
- a. Whether the tubing is broken, cut, or the connection joint is eroded, or the connection nipple is loose or the power is cut
- b. Whether a piston is blocked because of erosion by air or has been damaged by liquid
- c. Whether the electric motor winds and still works normally (by sound).



11. If the device is no longer in use, store it in a non-eroding space that is dust-free. Cover the device. In order to keep the pump working properly, run the pump for a few minutes every month.

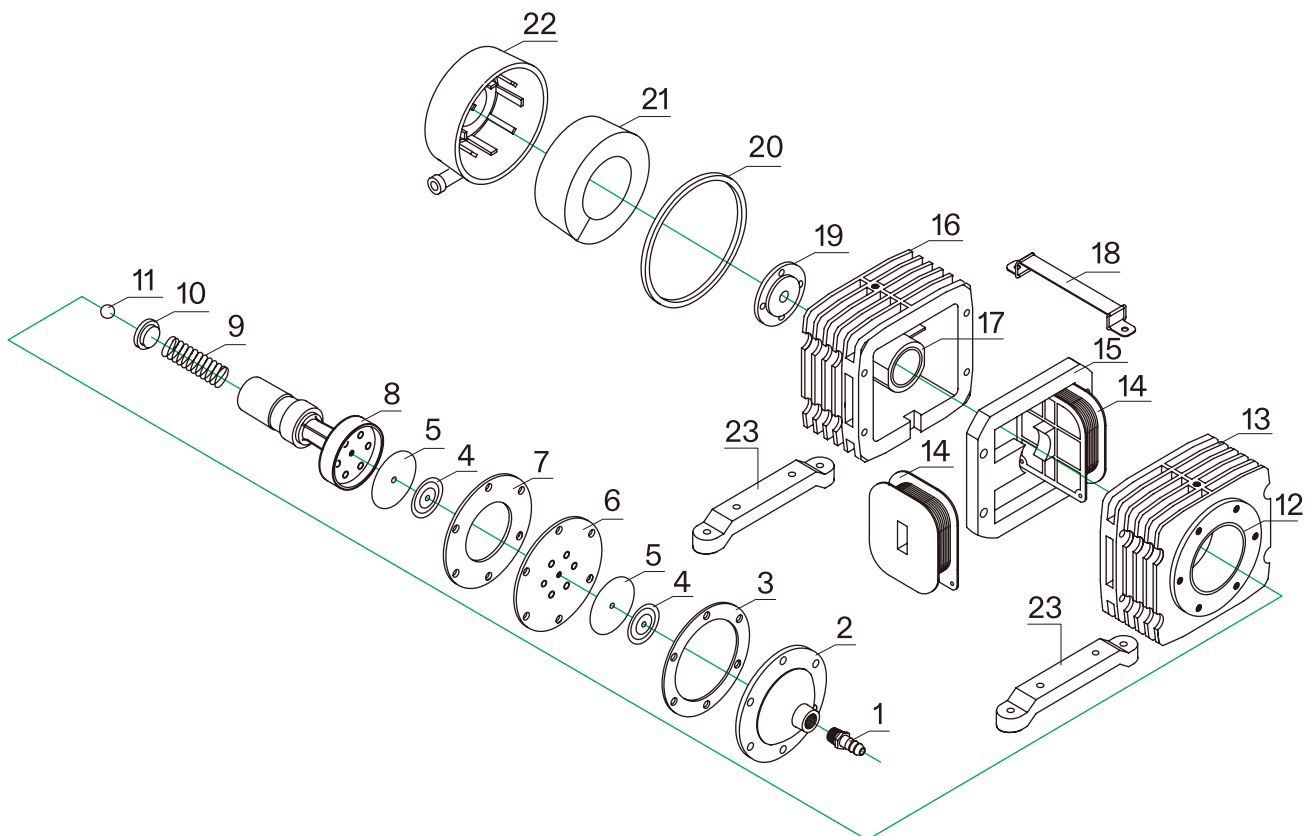


12. Repairs are required when you hear unusual noises or vibrations or sounds.

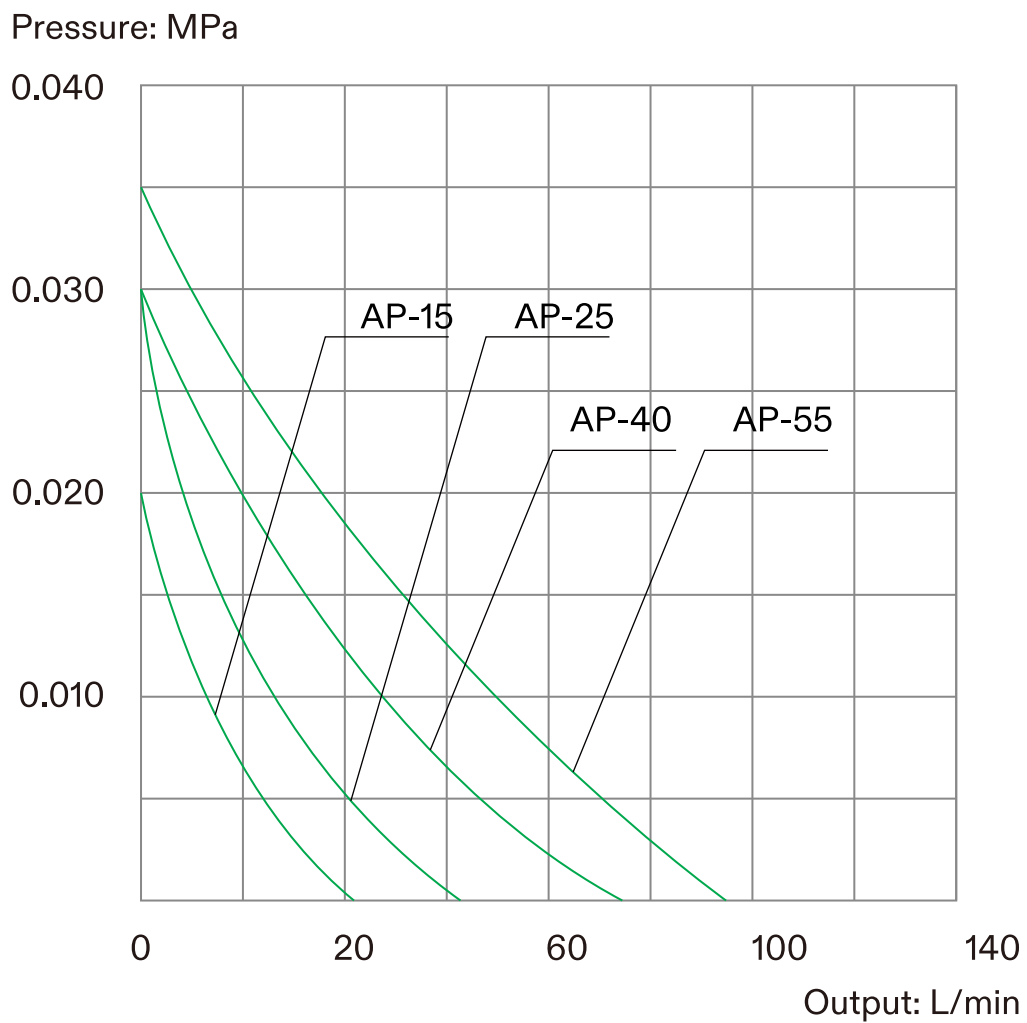


PRODUCT SCHEMATICS

| | | | | | |
|---|--------------------|----|--------------------|----|-----------------|
| 1 | Air outlet | 9 | Compressed spring | 17 | Guide sleeve |
| 2 | Front cover | 10 | Spring base | 18 | Handle |
| 3 | Front cover gasket | 11 | Steel ball | 19 | Steel ball base |
| 4 | Valve cover | 12 | Air chamber sleeve | 20 | Filter gasket |
| 5 | Valve | 13 | Front pump body | 21 | Filter |
| 6 | Valve base | 14 | Winding | 22 | Filter cover |
| 7 | Valve base gasket | 15 | Iron core | 23 | Footplate |
| 8 | Piston assembly | 16 | Back pump body | | |



PERFORMANCE CURVES



Designed by **VIVOSUN** in California.
Made in China