

# 200\*200mm

## Instruction Manual

### Pond Aeration Kit DY-25P / DY-50P

- Improves oxygen and circulation
- Helps biological processes in ponds
- Stops water freezing for ponds in winter
- All-in-1 with all the accessories
- Flow adjustable
- Super quiet operation
- Energy efficient

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 Precautions

- 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. Make sure you have all the accessories in the package.  
**DY-25P (2-outlet):**  
2x check valves; 2x air stones; 1x airline roll; 2x air filter pad;  
**DY-50P (5-outlet):**  
5x check valves; 5x air stones; 1x airline roll; 2x air filter pad;
2. **PLACE THE PUMP IN A DRY, WELL VENTILATED AND SHADED PLACE, WHERE IT WILL NOT BE EXPOSED TO WATER, EXCESSIVE DUST AND MOISTURE.**
3. 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 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.

4. Connect one side of the air tubing to the air outlet of the air pump; then connect another side to the air stone. Position the air stone at the desired place in the pond.

**Max water depth.** Note that the depth of the air stones should follow the Max. Water Depth. in Technical Data. If the air stones are placed deeper than the Max. Water Depth, it is possible that there will be no bubble coming out.

5. Adjust the flow. The flow is adjustable by turning the control knob (air flow adjuster) at the back of the air pump.

### Maintenance

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

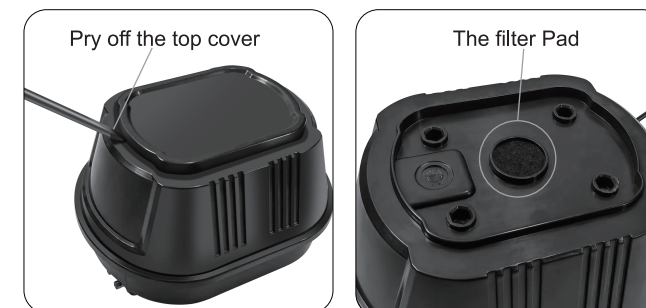
1. Disconnect the tubing from the pump;
2. Then unplug the pump.

#### 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, the air output will decrease. In this case replace it with the replacement filters included in the package.

The filter is below the top cover. Pry off the top cover with a flat metal or a flat screwdriver, you can find the filter. Simply take out the old filter and replace with the new one.



### Membrane

If there is a notable decrease of air output, or no air output, the membrane might be broken. In this case, replace the membrane.

### Air Stones

Through normal use, the air stones will eventually become clogged with buildup and debris. Periodically clean air stones throughout the season. We recommend replacing the air stones every season for maximum performance

### Troubleshooting

If you have loss of airflow, check the following:

- Air Flow Adjustor. Check to make sure the air flow adjustor has not been turned down.
- Air Filter. Check air filter for excessive dust and debris and clean.
- Airline. Check the airline for signs of leaks or clogging. Also check the airline for kinks restricting airflow.
- Air Stones. Check air stones for excessive buildup and clean or replace.
- Membrane. If the above has been checked and airflow is still reduced, it may be time to replace your membrane.

### Technical Data

Model	Pond Size	Power Supply	Power	Flow Rate	Air Pressure	Max. Depth
DY-25P	1800Gal	120V/60Hz	6W	190GPH	0.02MPa	4ft
DY-50P	3500Gal	120V/60Hz	10W	317GPH	0.032Mpa	6ft