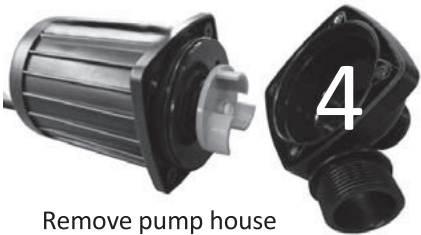


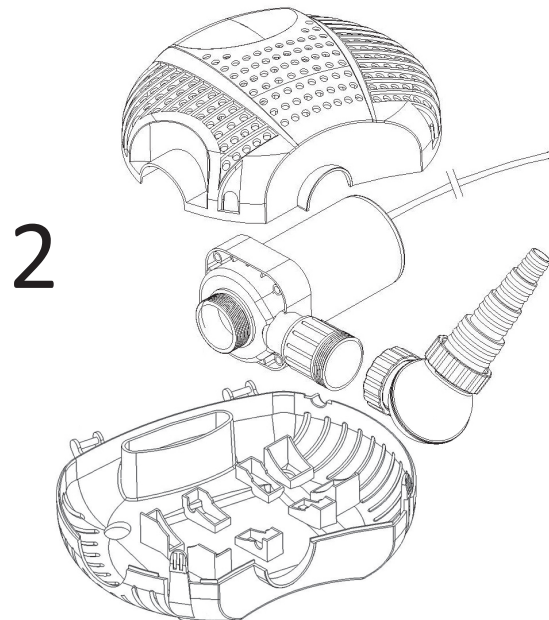
Always remove plug from wall outlet first!



Remove the screws from pump house



Remove pump house



Open pump cover and remove pump



Remove rotor from pump house



Clean rotor with water and brush



Put pump house in a vertical position and fill with a mild lime scale remover (like cleaning vinegar). Immerse rotor in a plastic bowl /container filled with the same lime scale product and leave both for 24 hours. After 24 hours rinse off with water and re-assemble pump.

EC-Series

AquaForte pumps are carefully inspected and tested to ensure both safety and operating performance. However, failure to follow the instructions and warnings in this manual may result in pump's damage and/or serious injury. Be sure to read and save this manual for future reference

Benefits of the EC-Series

- High performance motor with innovation electronics
- Energy saving up to 50%.
- Super Quiet Operation.
- Suited for Salt and Fresh Water
- No Copper Components
- With Wear-resistant Ceramic Shaft, Longer Operation Life.
- Automatic power off protection upon no water
- Motor protection if rotor is blocked.



TECHNICAL PARAMETER:

Model	Voltage & frequency	Watt (W)	Max. Head
EC-Series 3500	220-240V 50Hz	30	3.0 meter
EC-Series 5000	220-240V 50Hz	40	3.5 meter
EC-Series 6500	220-240V 50Hz	50	4.0 meter
EC-Series 8000	220-240V 50Hz	70	4.5 meter
EC-Series 10000	220-240V 50Hz	85	4.5 meter

LIMITED WARRANTY

This product is guaranteed for a period of 24 months from date of purchase for material or manufacturing defects. In case it is submitted for repair the pump must be with the original receipt. Guarantee consists in guaranteed substitution of defective parts. Guarantee is considered to void in case of improper use, or damages caused by improper handling or negligence on the part of the buyer. All equipment must be sent postage paid.

AquaForte is a trademark of Sibo BV, Doornhoek 3950, 5465TC, Veghel, Nederland
 Email: info@sibo.nl Website: www.aqua-forte.nl

Remark:

For outdoor use. The pump is to be supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30mA. For all the models the maximum operation depth is 1,5m.

WARNING

- Do not connect to any voltage other than that shown on the rating label of the pump.
- Do not pump flammable liquids. The appliance is only intended to be used in ponds/aquarium.
- The maximum operation depth is 1,5m.
- Do not use with water above 35°C.
- The supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.
- The pump is not intended for use by young children or infirm persons without supervision.
- To protect against the risk of electrical shock, do not immerse the plug in water or other liquid.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

CAUTION!!:

Always disconnect from electrical outlet before cleaning, maintenance and handling the pump. Don't operate without water.

Do not lift the pump by holding the power cord.

Do not use the pump in liquids having a temperature exceeding 35°C.

Use the pump only in freshwater.

Please use the pump only when it is completely submerged in water.

Do not use the pump in swimming pools!!

Installation

The pump is suited for both wet and dry applications. In a dry setup the pump must be under water level as it is not self-priming. For dry setup the external strainer house must be removed for the connection of the pipe fittings. Use without water (dry running) will result in irreparable damage. Under water, the pump must take in as clear as possible water. Never place the pump in a muddy area or on sandy pond bottoms. Put the pump on a small pedestal (e.g. a stone). Ignoring these instructions can cause blockage of the strainer house around the pump. Heavily polluted water will cause problems for the rotor to run smooth and the pump performance will decrease. In a worst case scenario the rotor will totally Block and the pump will burn out. Complete blockage of the pump strainer house will prevent motor cooling which can cause burn outs.

PERFORMANCE

A clogged or dirty intake screen will greatly reduce performance. If the pump is used on a dirty surface, raise

it slightly to reduce the amount of debris contacting the intake. If less flow is desired, adjust the regulator on the sealing cover to restrict the flow.

Do not let the pump run when not submerged in water. That may damage the pump. Always submerge the pump first, and then plug in the electrical outlet. At the beginning, it probably can't pump water, because there is air in the pump and the tube. Don't worry about it. Please pull out and insert electrical outlet several times, it will work normally.

Automatic shut off if no water for 5 minutes (for 3500-10000). Pull the plug out, and re-insert to resume work.

MAINTENANCE

Unplug before cleaning. To clean the pump, remove the back cover, sealing cover and the impeller. Use a small brush or stream of water to remove any debris.

CAUTION!!:

The pump shaft cannot be removed!

If the pump fails to operate, check the following:

- Check the outlet and try another outlet to ensure the pump is getting electrical power.
- NOTE: Always disconnect from electrical outlet before handling the pump.
- Check the pump outlet and tubing for kinks and obstructions. Algae may block them, please flush out the algae with a garden hose.
- Check the inlet to ensure it is not clogged with debris.
- Remove the pump inlet to access the impeller area. Turn the rotor to ensure it is not broken or jammed.
- Monthly maintenance will prolong your pump's life.
- NOTE: Ensure that the electrical cord loops below the electrical outlet to form a "Drip Loop". This will prevent water from running down the cord into the electrical outlet.
- When you find calcium/timescale deposits inside the motor house this implicates that the pumps becomes too warm during use! Calcium/lime scale expands above temperatures of 55°C. With sufficient flow the pump is water cooled and cannot reach these temperatures. If, however, the head pressure is too big (too small pipe system, maximum pump head too big, etc) the flow will be reduced which causes insufficient cooling and by this, calcium deposits. In a worst case scenario the calcium/timescale layer will get so thick that it blocks the rotor and the motor will burn out. **DAMAGE CAUSED BY CALCIUM/LIME SCALE IS NOT COVERED BY WARRANTY!** You can remove calcium/lime scale deposits with commercial de-scaling products or vinegar.

DISPOSAL:

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

