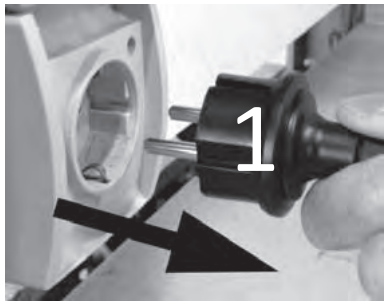
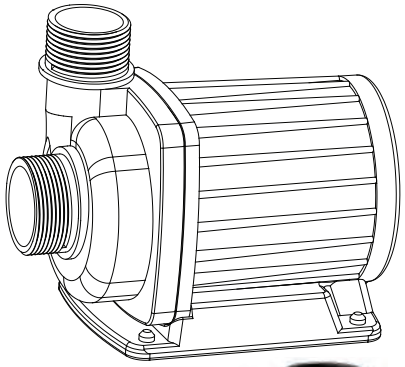
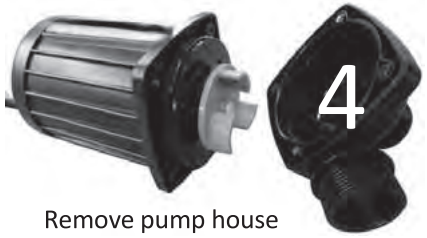


Always remove plug from wall outlet first!



Slide pump to the right from base

Open pump cover and remove pump
Remove the screws from pump house



Remove pump house

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.

DM- 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 DM-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
DM-3500	220-240V 50Hz	25	3.0 meter
DM-5000	220-240V 50Hz	40	3.5 meter
DM-6500	220-240V 50Hz	50	4.0 meter
DM-8000	220-240V 50Hz	70	4.5 meter
DM-10000	220 240V 50Hz	85	5.0 meter
DM-13000	220-240V 50Hz	110	5.5 meter
DM-15000	220-240V 50Hz	135	6.0 meter
DM-18000	220-240V 50Hz	170	6.5 meter
DM-20000	220-240V 50Hz	200	7.0 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, Netherlands
E-mail: info@sibo nl Website: www.aqua-forte.en

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.

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.

MAINTENANCE: dependant on water hardness and internal pump temperatures it might be necessary to remove lime scale deposits from time to time. DAMAGE CAUSED BY CALCIUM/LIME SCALE IS NOT COVERED BY WARRANTY!! Follow these steps for maintenance.

WARTUNG: abhängig von der Härte Ihres Wassers und der Temperatur in der Pumpe kann es notwendig sein, die Pumpe regelmäßig zu entkalken. DURCH KALK VERURSACHTER SCHADEN IST KEINE GARANTIE! Folgen Sie unten stehender Anleitung zwecks Wartung.

ONDERHOUD: afhankelijk van de hardheid van uw water en de temperatuur in de pomp kan het noodzakelijk zijn de pomp met regelmaat te ontkalken. SCHADE DOOR KALK VALT NOOIT ONDER GARANTIE! Volg onderstaande handelingen voor onderhoud.

INSTRUCTIONS DE MAINTENANCE DE LA SÉRIE DM: En fonction de la dureté de l'eau et de la température dans la pompe, un détartrage régulier de la pompe peut etre nécessaire. DES DOMMAGES DUS AU TARTRE NE SONT JAMAIS COUVERTS PAR LA GARANTIE! Procédez comme suit pour effectuer la maintenance.

Always remove plug from wall outlet first!

Immer zuerst Stecker herausziehen!

Altijd eerst stekker loskoppelen!

Retirez toujours d'abord la fiche de la prise !

2

Slide pump to the right from base

Pumpe nach rechts schieben

Schuif de pomp naar rechts

Ouvrez le corps de filtre.

3

Remove the screws from pump house

Schrauben vom Pumpengehäuse entfernen

Schroeven van pomphuis verwijderen

Déposez les vis du carter de pompe

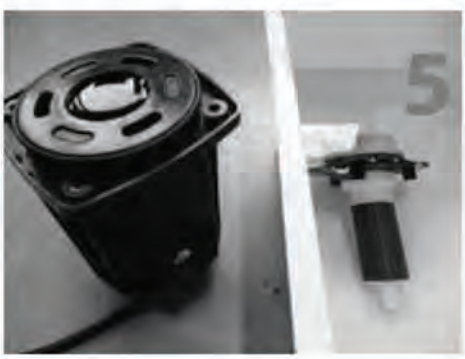
4

Remove rotor from pump house and clean with water and brush

Rotor vom Pumpengehäuse entfernen und mit Wasser und Bürste reinigen.

Rotor uit pomphuis nemen en met water en borstel schoonmaken

Retirez le rotor du carter de pompe et nettoyez le avec de l'eau et une brosse.



Put pumphouse 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.

Das Pumpengehäuse aufrecht stellen und dieses mit milden Entkalker (Essigreiniger) füllen. Legen Sie den Rotor in einen Plastikbehälter mit Entkalker. Beides lassen Sie nun 24h stehen. Nach 24h mit Wasser abspülen und Pumpe wieder zusammenbauen.

Zet pomphuis rechtop en vul deze met een milde ontkalker (zoals schoonmaakazijn). Leg de rotor in een plastic kom/bakje gevuld met hetzelfde anti kalk middel en laat beiden 24 uur staan. Na 24 uur afspoelen met water en pomp weer assembleren.

Placez la pompe en position verticale et remplissez-la avec un détartrant doux (comme du vinaigre ménager). Placez le rotor dans un récipient/bac plastique rempli du meme produit détartrant et laissez agir durant 24 heures. Après 24 heures, rincez avec de l'eau et assemblez à nouveau la pompe.