



[Manuals.plus](#) /

› [AquaForte](#) /

› AquaForte DM-18000 Filter/Pond Pump User Manual

AquaForte DM-18000

AquaForte DM-18000 Filter/Pond Pump User Manual

Model: DM-18000 (RD632)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your AquaForte DM-18000 filter and pond pump. This pump is designed for circulating dirty water in pond systems, suitable for applications such as streams, waterfalls, and filter systems. It features an energy-efficient design for continuous operation.

2. SAFETY INSTRUCTIONS

- Always disconnect the pump from the power supply before performing any maintenance, installation, or cleaning tasks.
- Ensure the power outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for electrical safety.
- Do not operate the pump if the power cable or plug is damaged. Contact a qualified electrician for repairs.
- The pump is designed for submersible use only. Do not operate it dry.
- Ensure the pump is placed on a stable, level surface within the pond or water feature.
- Keep children and pets away from the pond area during pump operation and maintenance.
- Do not use the pump for purposes other than those specified in this manual.

3. PACKAGE CONTENTS

Please check the package for the following items:

- AquaForte DM-18000 Pump Unit
- Multi-step hose connector
- User Manual

4. SETUP

1. **Placement:** Position the pump fully submerged in the deepest part of your pond or water feature, ensuring it rests on a stable, level surface free from excessive sludge or debris.
2. **Hose Connection:** Attach the appropriate hose to the pump's outlet using the provided multi-step hose connector. Ensure a secure, leak-free connection. The hose should lead to your filter system, waterfall, or stream.
3. **Electrical Connection:** Route the power cable safely to a GFCI-protected outdoor electrical outlet. Ensure the cable is not kinked or pinched.
4. **Initial Start-up:** Once all connections are secure and the pump is fully submerged, plug the pump into the power outlet. The pump should start circulating water immediately.



Figure 1: AquaForte DM-18000 Pond Pump. This image shows the main unit of the AquaForte DM-18000 pump, illustrating its compact design and outlet connection point.



Figure 2: Typical Installation Diagram. This diagram illustrates a common setup for the AquaForte DM-18000 pump within a pond environment, showing its placement and connection to a filter system.

5. OPERATING INSTRUCTIONS

The AquaForte DM-18000 pump is designed for continuous operation. Once properly installed and connected to power, it will begin circulating water. No further adjustments are typically required for basic operation.

- **Flow Rate:** The pump provides a maximum flow rate of 18 m³/h and a maximum head of 6.5 meters. Actual flow will vary depending on the plumbing resistance (hose length, diameter, bends, and height difference).
- **Water Quality:** The pump is suitable for dirty water, capable of handling particles up to a certain size (refer to specifications for exact details). Regular cleaning of the pre-filter cage is recommended to maintain optimal performance.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump.

1. **Disconnect Power:** Always unplug the pump from the electrical outlet before any maintenance.
2. **Clean Pre-filter Cage:** Periodically remove the pump from the pond and clean any debris accumulated on the pre-filter cage. This prevents clogging and maintains flow.
3. **Impeller Cleaning:** If flow significantly decreases, the impeller may be clogged. Carefully remove the pump housing (refer to diagrams if available) and clean the impeller and its chamber. Remove any stringy algae, leaves, or other obstructions.
4. **Winterization:** In regions with freezing temperatures, remove the pump from the pond before winter. Clean it thoroughly and store it in a frost-free location, submerged in a bucket of water if possible, to keep seals moist.

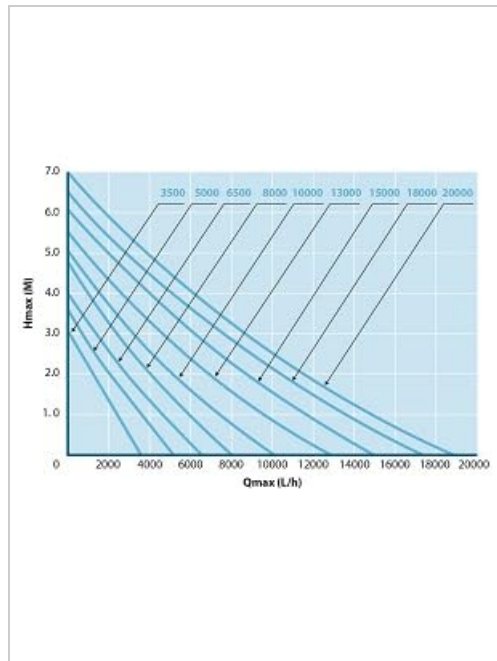


Figure 3: Impeller Area Detail. This image provides a closer look at a pump component, likely the impeller housing, which is crucial for maintenance and cleaning.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power supply Damaged power cable/plug Impeller jammed	Check power connection and GFCI Inspect cable for damage; replace if necessary Disconnect power, clean impeller chamber
Low water flow	Clogged pre-filter cage Clogged impeller Kinked or blocked hose	Disconnect power, clean pre-filter Disconnect power, clean impeller Check hose for obstructions or kinks
Pump stops intermittently	Overheating (thermal protection) Partial blockage	Disconnect power, allow to cool, check for blockages Disconnect power, clean pre-filter and impeller

8. SPECIFICATIONS

Feature	Specification
Model	DM-18000 (RD632)
Brand	AquaForte
Maximum Flow Rate	18 m ³ /h
Maximum Head	6.5 m
Power Consumption	170 Watt

Feature	Specification
Power Source	Corded Electric
Material	Copper
Color	Blue
Package Dimensions	33 x 20 x 18.4 cm
Weight	4.36 kg
Manufacturer	Sibo B.V.
GTIN	08717605086255

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer, Sibos B.V., directly. Keep your proof of purchase for any warranty claims.