

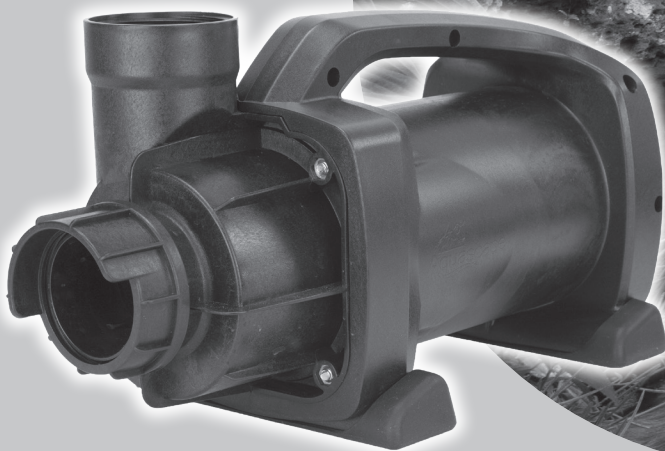


SLD ADJUSTABLE FLOW POND PUMP

SLD 2000-5000
Adjustable Flow Pond Pump
Item #45046

SLD 4000-7000
Adjustable Flow Pond Pump
Item #45036

SLD 5000-9000
Adjustable Flow Pond Pump
Item #45037



aquascapeinc.com



SLD Adjustable Flow Pond Pump

Thank you for choosing the Aquascape SLD Adjustable Flow Pond Pump. At Aquascape, we connect people to water the way nature intended. Since 1991, we've been creating and field-testing water features in order to provide you with the most reliable products and best value in the water gardening industry.



SLD Adjustable Flow Pond Pumps are professional-grade, solids-handling, submersible pumps made for continuous use in ponds, Pondless® Waterfalls, and other water feature applications. Asynchronous motor technology provides superior reliability, and a semi-vortex impeller design allows the pump to handle solids effectively, resulting in less maintenance and trouble-free performance. The included Smart Control Receiver includes an integrated control panel and makes it easy to control your pump with the Aquascape Smart Control App. This instruction manual will guide you through the proper setup and recommended maintenance procedures to ensure long-term effectiveness.

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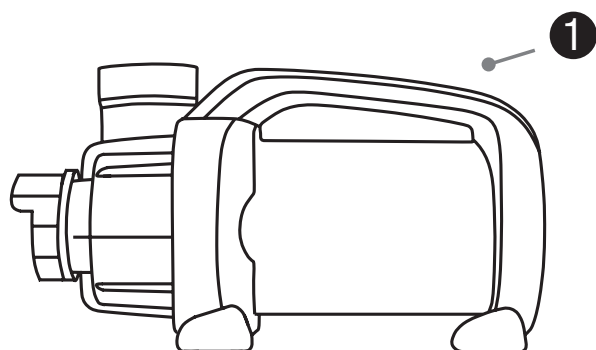
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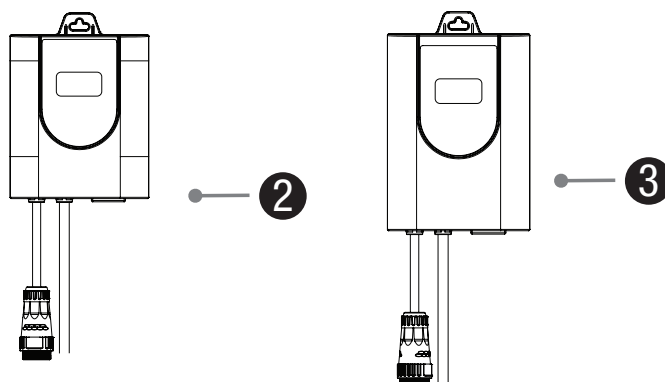
SLD 2000-5000 & 4000-7000 Contents

No.	Description
1.	SLD Adjustable Flow Pond Pump
2.	Smart Control Receiver



SLD 5000-9000 Contents

No.	Description
1.	SLD Adjustable Flow Pond Pump
3.	Smart Control Receiver Large



Safety Information



WARNING: Risk of electric shock – This pump has not been approved for use in swimming pool or marine areas



WARNING: To provide continued protection against risk of electric shock, connect to properly grounded, Residual Current Device (RCD) outlets only, using the following guidelines:

- (A) Have a qualified electrician install a properly grounded receptacle outlet, acceptable for outdoor use and protected from snow and rain.
- (B) Inspect cord before using.
- (C) Do not use an extension cord.
- (D) Any wiring of pumps should be performed by a qualified electrician to ensure code compliance and user safety.
- (E) Unplug pump at receptacle outlet when not in use or before removal from pond.
- (F) To reduce risk of electrical shock, all wiring and junction connections should be made per local codes. Requirements may vary depending on usage and location.
- (G) The power cable should be protected at all times to avoid punctures, cuts, bruises and abrasions.
- (H) Never handle power cords with wet hands.
- (I) Do not remove cord and strain relief. Do not connect conduit to pump.
- (J) Do not use power cable to lift pump.

- Always operate the pump fully submerged; or if using in-line ensure a constant source of fresh water. Failure to do so may overheat the pump and cause it to fail, voiding the warranty.
- Use only in fully assembled state, paying particular attention to ensure that both the outer and inner filter screens are attached to the pump. Failure to operate the pump without the filter screen will allow large debris to enter the pump and cause the pump to fail, voiding the warranty.
- Do not wear loose clothing that may become entangled in the impeller or other moving parts.
- Keep clear of suction and discharge openings. DO NOT insert fingers into pump with power connected.
- Do not pump hazardous materials or liquids, such as oil, saltwater or organic solvents.
- Do not block or restrict discharge.
- Products returned must be cleaned, sanitized, or decontaminated, as necessary, prior to shipment to ensure that employees will not be exposed to health hazards in handling said material. All applicable laws and regulations shall apply.



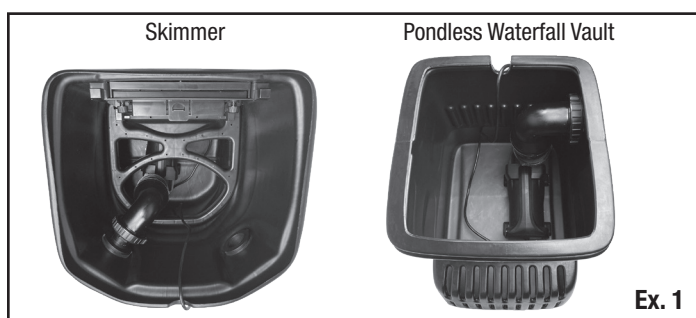
IMPORTANT: Aquascape, Inc. is not responsible for losses, injury, or death resulting from a failure to observe these safety precautions, misuse or abuse of pumps or equipment.

SLD Adjustable Flow Pond Pump Specs

Model Number	2000-5000	4000-7000	5000-9000
Maximum Flow Rate (LPH)	20,000	35,500	38,000
Maximum Head Height (m)	5.1	7.8	8.1
Motor Type	Asynchronous		
Volts	240		
Wattage	351	734	912
Hertz	50		
Power Cord Length (m)	10		
Pump Discharge Diameter (mm)	50 FPT		
Pump Dimensions (cm)	33 L x 15.9 W x 17.8 H		

Installation

- Do not submerge the pump directly in the pond. The pump is designed to be installed inside a skimmer, Pondless® Waterfall Vault, or large basin (Ex. 1).



- SLD Pond Pumps provide a 50 mm (2") threaded discharge (FPT) which makes it easy to connect the pump to a wide variety of applications.
- Attach a check valve or plumbing assembly to the discharge (Ex. 2).

NOTE: Do not use tools to install the fittings into the pump discharge. Fittings need to be hand-tight only.

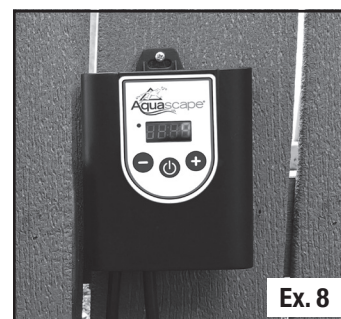
NOTE: SLD pumps are designed to integrate Aquascape filters using the Dual Union Check Valve 2.0 - #48026 (Ex. 3 & Ex. 1).



NOTE: It is recommended to use the largest diameter of tubing possible to achieve maximum water flow.

SMART CONTROL RECEIVER SETUP

- Mount the receiver above the ground on a post, fence, or wall. Avoid installing this device in direct sunlight. Install in a cool shaded area if possible (Ex. 8).
- Connect the pump to the Smart Control Receiver.
- Plug the Smart Control Receiver into an outdoor-rated Residual Current Device (RCD), and the unit will automatically enter pairing mode (Ex. 8).

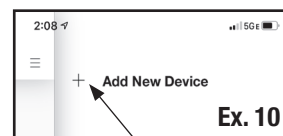
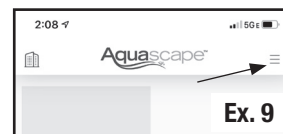


NOTE: The blinking blue light on the face of the unit indicates the receiver is in pairing mode and ready to be connected.

- Download the Aquascape Smart Control App (available on iOS or Android App Store).
- Open the Aquascape Smart Control App and click 'Create New Account'.

NOTE: If you already have an account, login with your username and password.

- Once logged in, click the three dashes in the upper right-hand corner of the home screen (Ex. 9).
- Click 'Add New Device' (Ex. 10).



NOTE: Adequate Wi-Fi coverage is required (2.4 GHz networks supported).

- Continue to follow on-screen instructions to complete the pairing process.

- To reset the device to factory defaults, first turn the unit off by pressing the power button, then press and hold the + and - buttons for four seconds and release when the LED display lights up completely (Ex. 11).



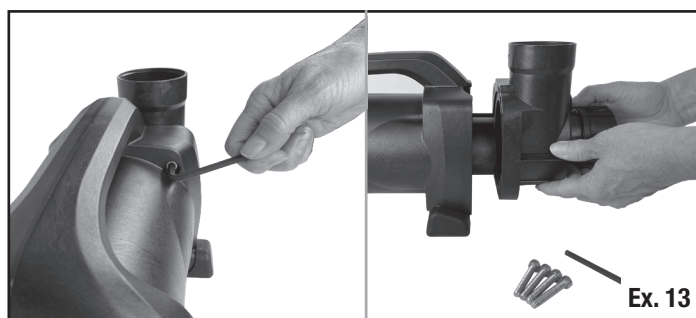
- The receiver includes a switch that allows the pump to be operated in the two following modes (Ex. 12).



- ☒ Position 1 - Operated by Aquascape Smart Control App or remote control
- ☐ Position 2 - Bypass control, and operate at full flow-rate
- In the event of a power loss the pump will revert to the last flow-rate setting.

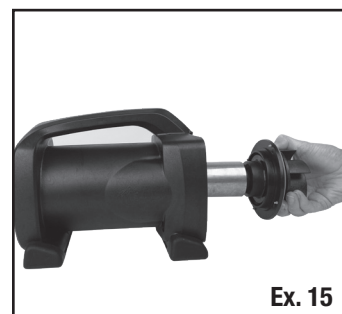
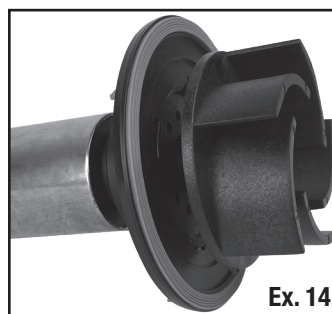
General Maintenance

- Remove the water chamber cover by removing the four Allen bolts and pulling gently (Ex. 13).

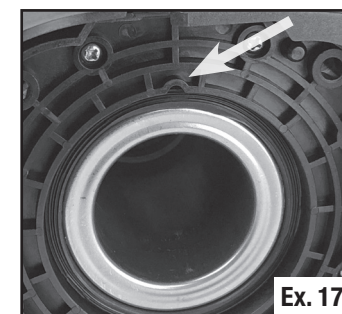
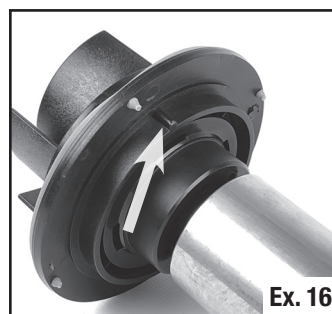


NOTE: A gray gasket is installed on the impeller assembly (Ex. 14). Do not lose this gasket and ensure it is replaced upon re-installation.

- Clean with fresh water, removing any existing debris or buildup.
- Remove the impeller by pulling gently (Ex. 15).



- Clean with a sponge or soft-bristled brush and Aquascape Pump Cleaner Maintenance Solution (#91143) to keep your pump operating properly and maximize its lifespan.
- Re-install the impeller, making sure the gasket is in place and the raised key on the impeller flange is aligned with the matching notch in the face of the pump flange (Ex. 16 & Ex. 17).



Troubleshooting

- Reduced water flow
 - Follow maintenance procedures to clean the pump intake and water chamber cover
- Pump hums but doesn't push water
 - The pump or plumbing may be clogged
 - Make sure nothing is blocking the intake
 - Follow maintenance procedures to clean the intake and water chamber cover
 - Follow maintenance procedures to clean the impeller and internal pump body
 - Make sure the pump is receiving the correct voltage
 - Make sure the impeller blades are not worn or damaged
- Pump not working
 - Check Aquascape Smart Control App to ensure the pump is set to run
 - Residual Current Device (RCD) may have tripped
 - The pump is not receiving the correct voltage

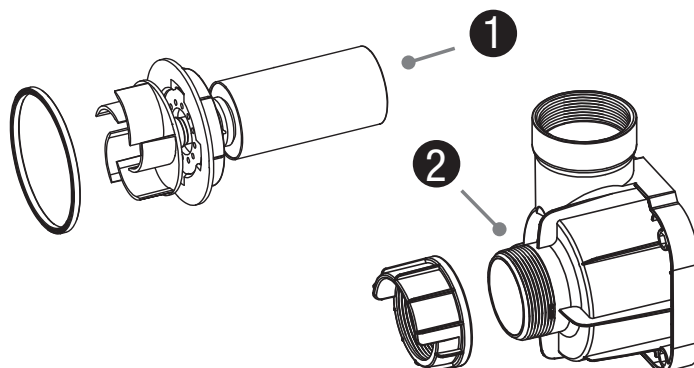
- Device won't pair
 - Make sure the outlet is receiving power
 - Make sure the network name and password are typed in correctly
 - Make sure you have adequate wireless coverage to connect the device
 - Reset the device to factory defaults
 - Make sure the Residual Current Device (RCD) is not tripped
- Receiver displays an E1 message
 - This means the input voltage going to the receiver is greater than 142 volts. Have an electrician inspect the outlet you have the receiver plugged into
- Receiver displays an E2 message
 - Receiver is overheating - make sure the receiver is in a shady or cooler area away from direct, intense sunlight

Replacement Parts

SLD 2000-5000 Replacement Parts	
No.	Description
1.	SLD 2000-5000 Replacement Impeller with Gasket
2.	45042 – SLD Water Chamber Cover

SLD 4000-7000 Replacement Parts	
No.	Description
1.	SLD 4000-7000 Replacement Impeller with Gasket
2.	45042 – SLD Water Chamber Cover

SLD 5000-9000 Replacement Parts	
No.	Description
1.	SLD 5000-9000 Replacement Impeller with Gasket
2.	45042 – SLD Water Chamber Cover



Warranty Information

3 YEAR WARRANTY

Aquascape warrants that the SLD Adjustable Flow Pump will be free of manufacturing defects for three years from date of purchase. Proof of purchase required. Warranty does not cover damage resulting from electrical supply problems, improper wiring, lightning, negligent handling, misapplication, misuse, or lack of reasonable maintenance or care. Warranty does not cover parts subject to normal wear, such as impellers. This product should only be operated in fresh water, completely submerged, without corrosive chemicals like chlorine or bromine. If upon Aquascape's inspection, the pump shows evidence of a manufacturing defect, Aquascape's liability is limited, at Aquascape's option, to the repair of the defect, replacement of the defective product, or refund of the original purchase price. The warranty excludes costs of labor, removal of product, shipping and expenses related to the installation and re-installation of the product. All products that include plumbing (tubing, pumps, check valves) need to be properly drained and winterized otherwise warranty is null and void. No liability for loss or damage of any nature or kind, whether arising out of or from the use of the product, whether defective or not defective, is assumed by Aquascape, Inc. or its affiliates. Aquascape shall not be liable for any incidental, consequential or other damages arising under any theory of law whatsoever.

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